# YEAR BOOK 2024

The National Academy of Sciences, India
(The Oldest Science Academy of India)

# **YEAR BOOK**

2024



The National Academy of Sciences, India (The Oldest Science Academy of India)

### **POSTAL ADDRESS**

The National Academy of Sciences, India 5, Lajpatrai Road, Prayagraj - 211 002, India

### **PHONE**

+91-532-2640224

### FAX

+91-532-2641183

### E-MAIL

nasi.allahabad1@gmail.com

### **WEBSITE**

https://nasi.org.in

#### **PUBLISHED BY**

Prof. D.S. Pandey & Prof. J.R. Bellare
General Secretary(HQ) General Secretary(OS)

### **CONTENTS**

The Academy (I) An Introduction (II) Council 2024 (III) Important Highlights	1 3 5
Rules and Regulations Rules Regulations Regulations for Academy's Awards Regulations for M.N. Saha Distinguished Fellowship	11 25 33 56
Past Presidents	57
Past General Secretaries	59
Other Officers of the Academy	63
Founder Fellows	65
Honorary Fellows	66
Foreign Fellows	68
Fellows	84
Deceased Honorary Fellows, Foreign Fellows and Fellows	341
Scientific Contributions of Fellows Elected in year 2023	345
Scientific Contributions of Foreign Fellows Elected in year 2023	355
Subject wise list of Honorary Fellows, Foreign Fellows and Fellows  Agricultural Sciences Animal Sciences Biochemistry, Biophysics, Biotechnology Chemical Sciences Earth Sciences Engineering Sciences including Engineering Technology Mathematical Sciences Medical & Forensic Sciences Physical Sciences Plant Sciences Science & Society	357 361 367 376 384 388 397 403 410 419 426

Annual Sessions	427
List of Symposia/Seminars/Workshops held in the recent past	429
Sectional Presidents	432
Committees	405
Fellowship Scrutiny Committees	435
Membership Scrutiny Committees	438
NASI Science Teacher Award Committees	439
Prof. Meghnad Saha Distinguished Fellowship	440
NASI Platinum Jubilee Chair	440
J.C. Bose Chair	440
ICMR Chair in Public Health Research	440
Distinguished Woman Scientist Chair	440
Biotinguismod Woman Colomic Gridin	110
Lecture Awardees	
Prof. Meghnad Saha Memorial Lecture Awardees	441
Prof. N.R. Dhar Memorial Lecture Awardees	443
Prof. Archana Sharma Memorial Lecture Awardees	445
Prof. M.G.K. Menon Memorial Awardees	446 447
Prof. M.G.K. Menon Lecture Awardees Prof. V.P. Sharma Memorial Lecture Awardees	44 <i>7</i> 448
Prof. A.K. Sharma Memorial Lecture Awardee	448
Prof. P.C. Ray Memorial Lecture Awardee	449
Prof. S.K. Joshi Memorial Lecture Awardees	449
Prof. A.C. Banerji Memorial Lecture Awardees	450
Dr. B.P. Pal Memorial Lecture Awardees	451
Dr. P. Sheel Memorial Lecture Awardees	453
Dr. P. Sheel Memorial (Young Woman Scientist)	151
Lecture Awardees Prof. Saligram Sinha Memorial Lecture Awardees	454 456
Prof. R.C. Gupta Endowment History of Science Lecture	450
Awardees	457
Prof. R.N. Tandon Memorial Lecture Awardees	458
Prof. B.K. Bachhawat Memorial Lecture Awardees	459
Prof. B.K. Bachhawat Memorial Young Scientist Lecture	400
Awardees Prof. U.S. Srivastava Memorial Lecture Awardees	460 461
Prof. Shri Ranjan Memorial Lecture Awardees	463
Award Lecture in the field of Toxicology	464
Prof. Krishnaji Memorial Lecture Awardees	465
Award Lecture in the field of Biodiversity	466
Dr. Mridula Kamboj Memorial Lecture Áwardee	467
NASI-Buti Foundation Lecture Awardee	467
Prof. R.N. Tandon's 90th Birthday Lecture Awardee	467
Prof. Meghnad Saha Platinum Jubilee Lifetime Honorary Fellowship	468
NASI President's Platinum Jubilee Gold Medal	468
147 Con l'Obligation l'administration de la Michael	-TUU

NASI-Senior Scientist Platinum Jubilee Fellows	469
NASI-Honorary Scientist	471
NASI-Reliance Industries Platinum Jubilee Awardees	472
NASI-Young Scientist Platinum Jubilee Awardees	476
SICO-Sponsored NASI Awardees	492
The NASI - Swarna Jayanti Puraskar Awardees	494
NASI – Springer Awardees	498
The NASI - Millennium Awardees	500
The NASI - Science Teacher Awardees	501
U.P. Education Minister's Gold Medal Recipients	504
Academy's Local Chapters	506
Benefactors	514
Life Members	515
Contact	655

#### THE ACADEMY

**Evolution:** The National Academy of Sciences, India (initially called "The Academy of Sciences of United Provinces of Agra and Oudh") was founded in the year 1930, with the objectives to provide a national forum for the publication of research work carried out by Indian scientists and to provide opportunities for exchange of views among them. The Memorandum of Association was signed by seven distinguished and patriotic scientists namely Prof. Meghnad Saha, Prof. K.N. Bahl, Prof. D.R. Bhattacharya, Prof. P.C. MacMohan, Prof. A.C. Banerji, Prof. Ch. Wali Mohammad and Prof. N.R. Dhar. Of these, the Academy had the good fortune of having the continued association of Prof. N.R. Dhar until very lately when he expired on December 5, 1986 at the age of 96 years. Apart from being one of the founders of the Academy and taking continued interest in its welfare, Prof. Dhar also donated the piece of land on which the Academy building stands today.

The Rules and Regulations of the Academy were based on those of the Royal Society of England and the Asiatic Society of Bengal. These have since been revised and updated to meet the emerging challenges. Prof. Meghnad Saha was elected its first President. In the Inaugural address, Prof. Saha Said: ".....But the main function of the Academy should be towards cultural improvement by contribution to human knowledge". Since then, the Academy has crossed many milestones, successfully serving the "Science & Society". In its Silver Jubilee Session in 1955, Prof. Saha, further emphasized the role of the Academies in developing human scientific resources. Similarly, during the Golden Jubilee Session of the Academy in 1980, Shrimati Indira Gandhi. Prime Minster of India stressed that the need of hour was to ensure that science does not remain confined to laboratories. The address delivered by His Excellency Sri R. Venkataraman, President of India, during the Diamond Jubilee Session (1990-91) was a timely reminder of the vision of late Pt. Jawaharlal Nehru to integrate science with the lives of the people; and the Academy left no stone unturned in pursuing its aim and objectives, which was appreciated by His Excellency Dr. APJ Abdul Kalam, President of India, in his address during the Platinum Jubilee Celebrations of the Academy in 2005. Dr. Kalam praised the role of the Academy in boosting the zeal of the budding scientists, who could do better in future with such support and endeavour.

The Academy undertakes several "science-society" programs under the guidance of its President, Past Presidents and Fellows. Prof. Ajoy K. Ghatak steered the programmes as the President in the year 2021-22, which was boosted further by Professor Balram Bhargava, current

President of the Academy. As its Past Presidents, very distinguished scientists like Prof. Manju Sharma, Prof. P.N. Tandon, Prof. Jai Pal Mittal, Prof. Ashok Misra, Prof. Asis Datta, Dr. K. Kasturirangan, Prof. Akhilesh K. Tyagi, Prof. Anil Kakodkar and Prof. G. Padmanaban are keenly associated with the Academy and enormously contributing to its development. It is worth mentioning that a few other Past Presidents (unfortunately who are not with us now), as Prof. M.G.K. Menon, Dr. V.P. Sharma, Prof. A.K. Sharma, Dr. T.N. Khoshoo, Prof. M. S. Swaminathan, Prof. U.S. Srivastava, Dr. A.P. Mitra, Dr. S.Z. Qasim, Prof. S.K. Joshi and Prof. V. P. Kamboj also contributed a lot to the development of science in general and the Academy in particular, in the recent past.

The Academy while starting with 57 ordinary Members and 19 Fellows, has now 1973 Members and 2039 Fellows from all parts of the country; including 16 Honorary Fellows and 118 Foreign Fellows from various disciplines of Science and Technology. The Academy is financially supported by the Department of Science & Technology, Ministry of Science & Technology, Govt. of India; and it is also recognized as the Scientific and Industrial Research Organisation by the DSIR, Govt. of India.

### NASI - envisions the cultivation and promotion of Science & Technology in all its branches through -

- a) promoting scientific and technological research related to the problems of societal welfare;
- b) publication of proceedings, journals, memoirs, transactions and other works as may be considered desirable;
- organising meetings and hold discussions on scientific and technological problems;
- d) undertaking, through properly constituted committees and bodies, the scientific work(s) of technological or public importance
- e) co-operating with other organizations in India and abroad, having similar objects, and to appoint representatives of the Academy to act on national and international bodies;
- f) securing and managing funds and endowments for the promotion of science and technology;
- g) organising a Science Library;
- performing all other acts, matters and things that may assist in, conduce to, or be necessary for the fulfillment of the above mentioned aims and objects of the Academy;
- i) creating an adequate impact of the Academy all over the country, by opening Chapters of the Academy in other cities

The Academy 3

in the country, where reasonable number of Fellows and Members are available.

#### Elected Officers and Members of the Council for the year 2024

#### President

 Prof. Balram Bhargava, MBBS, MD, DM, FNASc, FACC, FAHA, FAMS, Former Secretary, Gol, Department of Health Research & DG, ICMR; Professor of cardiology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 211029

#### **Past Presidents**

- Prof. Ajoy Kumar Ghatak, PhD(Cornell), FNASc, Formerly MN Saha Distinguished Chair Professor, NASI, Prayagraj; Formerly Professor of Physics at IIT Delhi; Res. D-42, Hauz Khas, New Delhi-110016
- Prof. Manju Sharma, PhD, FNASc, FNAAS, FTWAS, FIAWS, Former Secretary, DBT; NASI-DST Distinguished Woman Scientist Chair Professor, B9/6476 (FF), Vasant Kunj, New Delhi-110070

#### **Vice-Presidents**

- Prof. Madhu Dikshit, PhD, FNASc, FNA, FASc, FAMS, JC Bose National Fellow, THSTI National Chair; C-95, Sector M, Aliganj, Lucknow - 226024
- 5. **Prof. Amit Roy,** PhD, FNASc, Former Director, IUAc; Flat 1A, Xenon Cooperative Housing Society, J 383 BP Township, Kolkata 700094

#### **Treasurer**

 Prof. Rama Shanker Verma, PhD, FNASc, Director & Professor, Department of Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Prayagraj - 211004

### **Foreign Secretary**

7. **Prof. Vinod Kumar Singh,** PhD, DSc, FNASc, FNA, FASc, FTWAS, Professor, Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur - 208016

#### **General Secretaries**

- Prof. Jayesh R. Bellare, PhD, FNASc, FNAE, FEMSI, FMAS, Institute Chair Professor, Department of Chemical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai- 400076
- Prof. Daya Shankar Pandey, PhD, FNASc, FNA, FASc, JC Bose National Fellow, Professor, Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi - 221005

#### Members

10. **Prof. Mitali Chatterjee,** MD, PhD, FNASc, FNA, FASc, FAMS, FRCP(London), FTWAS, Professor & Head, Department of

Pharmacology, Institute of PG Medical Education and Research, 244 Acharya JC Bose Road, Kolkata - 700020

- Prof. Srinivasa Rao Cherukumalli, PhD, FNASc, FNA, FNAAS, FISSS, FISPRD, Director, ICAR-National Academy of Agricultural Research Management, Rajendranagar, Hyderabad - 500030, Telangana
- Prof. Pramod Kumar Garg, MBBS, MD, DM, FNASc, FNA, FASc, FMAS, FRCP(Glasg), Professor & Head, Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi – 110029; Former Executive Director, THSTI
- Prof. Anup Kumar Ghosh, PhD, FNASc, Emeritus Professor, Department of Materials Science & Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016
- Prof. Smita Dilip Mahale, PhD, FNASc, FNA, ICMR Emeritus Scientist and Formerly Director, NIRRCH; Jehangir Merwanji Street, Parel, Mumbai - 400012
- Prof. Ranjan Kumar Mallik, PhD, FNASc, FNA, FNAE, FASc, FIEEE, FIET(UK), FIETE, FTWAS, FIE(I), Professor, Department of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016
- Prof. Chintalagiri Mohan Rao, PhD, FNASc, FTWAS, FNA, FASc, FAPSc, Distinguished Scientist & JC Bose National Fellow, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad -500007
- 17. **Prof. Anirban Pathak**, PhD, FNASc, FIETE, Professor, Department of Physics and Materials Science & Engineering, Jaypee Institute of Information Technology, Noida 201309
- Prof. Manoj Prasad, PhD, FNASc, FNA, FNAAS, Staff Scientist-VII & JC Bose National Fellow, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, JNU Campus, New Delhi -110067
- 19. **Prof. Sheo Mohan Prasad,** PhD, FNASc, Professor, Ranjan Plant Physiology & Biochemistry Lab, Department of Botany, University of Allahabad, Prayagraj 211002
- Prof. Latha Rangan, PhD, FNASc, FBRS, Senior Professor, Department of Biosciences & Bioengineering, Indian Institute of Technology, Guwahati - 781039
- 21. **Prof. Rohit Srivastava,** PhD, FNASc, FRSC(London), FRSB (London), FNAE, FAMS, Himanshu Patel Chair Professor, Department of Biosciences and Bioengineering, IIT Bombay, Powai, Mumbai 400076;
- 22. **Prof. Pramod Tandon,** PhD, FNASc, FBS, FLS, FISEB, NASI Honorary Scientist, Former CEO, Biotech Park, Lko; Res. D-802, Shalimar Gallant, Vigyanpuri, Mahanagar, Lucknow 226006;

The Academy 5

**23. Prof. Seikh Mohammad Yusuf,** PhD, DSc(hc), FNASc, FNA, FASc, FMASc, Director, Physics Group, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085

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#### 24. Secretary DST Nominee

### Important Highlights of Major Programmes/Activities (in past five years):

The Academy (NASI) organized various activities under the Presidentship of Prof. G. Padmanaban, Prof. Ajoy Ghatak and Prof. Balram Bhargava, during the past five years. The Past Presidents, namely late Prof. M.S. Swaminathan, Prof. (Mrs.) Manju Sharma, Prof. Ashok Misra, Prof. Asis Datta, Dr V. P. Kamboj, Prof. J.P. Mittal, Dr. K. Kasturirangan and Prof. Anil Kakodkar also took keen interest in the dissemination of science in general and the development of the Academy, in particular. The noteworthy accomplishments with the kind cooperation of its Fellows and Members, and major financial support of the DST, New Delhi, are as follows:

#### **Publications**

- NASI published the Proceedings of NASI, Sec. A & B, each in IV parts and National Academy Science Letters in VI parts, in collaboration with the Springer Nature, every year.
- National Academy Science Letters received Impact Factor (IF) as 1.0 in 2023 from Thomson Reuters; about 600 papers were received from thirty countries/regions every year.
- PNASI, Sec. A received Impact Factor (IF) as 1.1 in 2023 from Thomson Reuters; and about 350 papers were received from twenty five countries/regions every year.
- The PNASI, Sec. B received Cite Score as 3.0 in 2023 from Scopus; and about 500 papers were received from thirty seven countries/regions every year.
- Two special publications were released on 5<sup>th</sup> Oct. 2019 at New Delhi on the occasion of the "Closing Ceremony of the Anniversary Celebrations of 'Ba & Bapu' and Prof. Meghnad Saha". These were the collection of the Lectures delivered (in the memory of these three great personalities of the world) by the distinguished persons in different parts of the country.
- An important book on "Vector Biology and Control" was also published in 2020.
- A special issue on 'Advances in Memory Materials' was also published in 2023.

#### Science Education/Communication Activities:

NASI-HQ and it's 22 Chapters spread across India, are organising several science education/communication activities (presently on WEB) in and around their respective regions. More than two dozen Institutes/Laboratories/Educational Institutions (as IITs, NCSM, Medical Colleges, Universities, CBSE, DNA Clubs etc.) are associated with NASI in organising these programmes. It is expected that more than one lac students and teachers would be benefitted from these activities/webinars focused on 'Poshan (Nutrition)', COVID Entrepreneurship Development Appropriate Behaviour, Atmanirbhar/Viksit Bharat (in consonance with the national programmes announced/undertaken by the Hon'ble Prime Minister of India).

### <u>Activities under Joint Women Panel of three National Science Academies:</u>

NASI is heading this joint panel of three National Science Academies under the leadership of Prof. Manju Sharma, Past President, NASI & former Secretary to the Gol. Several sensitization programmes for the women of urban as well as rural areas have been organized by NASI covering several states all across the country. Publications have also been brought out on different aspects related to women empowerment and widely circulated. A Vision Document has also been prepared by this panel. The programme is going on with full vigour and hopefully more national workshops will be organised in the coming years.

### Research Projects being undertaken by the NASI-Chairs & Senior Scientists:

NASI has undertaken during the period several important research works/projects led by its Distinguished Chairs and the Senior/Hony. Scientists, aimed towards the development of science in general and the society, in particular. Due to their noteworthy contributions, the NASI has been recognised as SIRO by the DSIR, Ministry of Science & Technology, GoI. The detailed reports have been sent to the DST (as a part of the Annual Reports of NASI); and also available on the website of NASI- nasi.org.in

### **S&T** Entrepreneurship development

 Training programs for entrepreneurs – To inculcate the spirit of entrepreneurship in the youth and in line with the National Mission Programmes of Skill Development and Start Up The Academy 7

India, NASI organised programmes with 'Hands-on training' in different parts of the country.

- Awareness and Training on Nutrition, Safe drinking water, Health & hygiene etc. A mixed participation of rural and urban population was ensured. This was included in the spirit of "Swasth Bharat Mission".
- Safe drinking water and pollution abatement especially for the rural areas and municipal workers. This was included in the spirit of "Swachh Bharat Mission". Vth Brain Storming on Safe Water & Sanitation was organised at MPCOST Bhopal in Sept. 2019; a large number of scientists, municipal workers, researchers and others attended the brainstorming sessions.

#### Activities under Scheduled Tribe Sub-Plan Programmes:

A Mega Event on the 'Science & Technology Intervention for the Tribal Welfare' was held at ILS, Bhubaneswar on Feb. 24-25, 2020, in which about 300 participants attended from all across the country representing 22 Tribal Welfare Centres established by NASI.

#### Annual Session/Symposia/Seminars & Scientific Discussions

Every year the Annual Session along with a symposium on current scientific topic is organised in a centre of excellance. These attract more than 500 scientists and researchers from different fields of science & technology who present their scientific papers having latest research in their respecitive fields. The 89th Annual Session and a Symposium on 'Science and Technology based Entrepreneurship Development', was held in December 2019 at NAARM, Hyderabad. The 90<sup>th</sup> Annual Session and a symposium on 'Towards a New Healthcare regime for the Nation' was organised on WEB (due to COVID-19 pandemic) on Feb. 25-27, 2021. The 91<sup>st</sup> Annual Session and a Symposium on 'Interface between Biological and Physical Sciences towards Atmanirbhar Bharat' was organized on Dec. 4-6, 2021. The 92<sup>nd</sup> Annual Session and the Symposium on 'Science & Technology - a vehicle for social transformation' was organised at NASI, Prayagraj on Dec. 4-6, 2022. The 93<sup>rd</sup> Annual Session along with symposium on 'India Secure@75' was organised at Bhabha Atomic Research Centre, Mumbai during December 3-5, 2023. The 94<sup>th</sup> Annual Session along with a symposium is proposed to be held at IISER, Bhopal during December 2024.

Besides, symposia/seminars are also organised throughout the year on the topics of scientific and societal interest. The Birth Centenary celebration of Prof. Vikram A. Sarabhai organised at I.I.Sc., Bangalore on 16<sup>th</sup> Nov. 2019, was attended by Dr. K. Sivan,

Chairman, Space Commission, India; and 4 former Chairmen of the Sace Commission, as well as several other distinguished scientists.

#### Fellowship / Membership

To recognize the outstanding scientific contributions of the scientists, the Academy awarded every year the prestigious Fellowship and Membership of the Academy to more than **100** scientists working in different areas of Science & Technology all across the country. It also awarded a few Foreign Fellowships to scientists who are working in different countries and have collaborated with scientists from India.

# <u>Science Education Programmes in joint collaboration with</u> National Science Academies

NASI, together with other two Science Academies - Indian National Science Academy, New Delhi and Indian Academy of Sciences, Bangalore jointly sponsors the Summer/Winter Research Fellowship under the joint Science Education Panel to provide opportunities to bright UG and PG students and teachers to usefully spend their summer/winter vacations.

<u>Recognition and Awards</u>- Several awards were given in past few years, just to name a few:

- NASI-Reliance Industries Platinum Jubilee Awards for the Application Oriented Innovations covering both Physical and Biological Sciences to five/six distinguished scientists;
- NASI-Young Scientist Platinum Jubilee Awards to about twenty young scientists/researchers in the fields of Biological/Physical/ Chemical Sciences;
- NASI-Senior Scientist Platinum Jubilee Fellowships;
- Professor M. G. K. Menon Memorial Award
- NASI Swarna Jayanti Puruskars for Best Paper Presentation to about four young scientists/researchers, during the Annual Sessions;
- Memorial Lecture Awards to about 15 eminent scientists every year;
- NASI Science and Maths Teacher Awards by NASI HQ & Chapters to many teachers.

#### Major Accomplishments (in past few years):

Apart from the aforementioned activities/accomplishments, the Academy has got unique recognistion in working extensively for preservation of water and establishment of River Galleries to make the people aware about the need and importance of water. It

The Academy 9

established three River Galleries (1) Ganga Gallery at Prayagraj (2) Brahmaputra Gallery at Guwahati and (3) Cauvery Gallery at Mysuru. NASI also scientifically rejuvenated the *baolies* (step-wells) of about 200 years ago at Bundelkhand area of Madhya Pradesh with the scientific support of MPCOST, Bhopal and the BARC, Mumbai. All these facilities have been dedicated to the Nation.

#### Major and Unique National Facilities created (in past few years):

Apart from the aforesaid national facilities (as mentioned in Major Accomplishments), the Academy (NASI) also has a well-equipped auditorium of about 200 persons capacity; a committee room with all WEB facilities for holding webinars; a rich library and a Council Room for holding meetings.

# Important collaborations (national and global) established (in past few years):

- NASI together with other two Science Academies Indian National Science Academy, New Delhi and Indian Academy of Sciences, Bangalore is jointly sponsoring the Summer Research Fellowship under the joint Science Education Panel
- Continuing its established collaboration with the Reliance Industries, SCOPUS and Springer, for recognizing the talent in scientific research.
- Also organized many science communication/popularization activities in collaboration with the Indian Universities/ Institutes/CSIR Laboratories/ NCSM and other prestigious institutions.



NASI-HQ AT PRAYAGRAJ, UP, INDIA

### **RULES AND REGULATIONS**

#### The National Academy of Sciences, India

(With which is incorporated 'The Academy of Sciences of the United Provinces of Agra and Oudh')

FOUNDED IN 1930 (Registered under Act XXI of 1860)

(Note: Revised Rules & Regulations/Bye-laws etc. approved in the AGM of NASI in December 2019, would be adopted after the DST's approval.)

#### **RULES**

#### **A-NAME AND OBJECTIVES**

- 1. The Society shall be named and styled "The National Academy of Sciences, India".
- 2. The objectives of the Academy shall be-
  - (a) the cultivation and promotion of SCIENCE AND TECHNOLOGY in all its branches, leading to cultural improvement by contributing to human knowledge;
  - (b) to promote scientific and technological research related to the problems of societal welfare;
  - (c) to publish such proceedings, journals, memoirs, transactions and other works as may be considered desirable;
  - (d) to organise meetings and hold discussions on scientific and technological problems;
  - (e) to undertake, through properly constituted committees and bodies, the scientific work(s) of technological or public importance;
  - (f) to co-operate with other organizations in India and abroad, having similar objects, and to appoint representatives of the Academy to act on national and international bodies;
  - (g) to secure and manage funds and endowments for the promotion of science and technology;
  - (h) to organise a Science Library;
  - to do and perform all other acts, matters and things that may assist in, conduce to, or be necessary for the fulfillment of the above mentioned aims and objects of the Academy;

(j) to create an adequate impact of the Academy all over the country, it may open Chapters of the Academy in other cities in the country, where reasonable number of Fellows and Members are available (See Appendix 'A').

#### **B-CONSTITUTION**

- The Academy shall consist of Patron, Benefactor(s), Fellows, Honorary Fellows, Foreign Fellows and Members.
- 4. (a) The Rajyapal of Uttar Pradesh shall be the Patron, ex-officio.
  - (b) Benefactor(s), shall be the person(s) or organization(s) contributing Five lacs rupees or more to the funds of the Academy. They shall enjoy all the rights and privileges of Members.
- 5. **Fellows**: There shall be Fellows, Honorary Fellows and Foreign Fellows;
  - (a) **Fellows**, whose number shall not exceed 3000, will be elected on the basis of distinguished contributions to new knowledge and for promotion and application of Science & Technology for social welfare. They shall be elected on the basis of their scientific contributions in terms of documentation, publications, patents etc. However, everything being equal, special attention may be given to the women scientists. In case of scientists working in National Security Areas, e.g. DRDO/DOS/DOAE etc. their overall contribution to the progress of that field may be given special consideration.

In addition to Indian scientists and Overseas Citizens of India, distinguished Non-Resident Indians, having Indian citizenship who have outstanding research work to their credit, may be nominated and be considered for the Fellowship of the Academy.

The procedure for election to the Fellowship will be laid down by Regulations.

- (b) **Honorary Fellows**: Honorary Fellows will be elected by the Council of the Academy on a restricted basis for their most distinguished service to the cause of Indian Science.
- (c) Foreign Fellows will be foreign scientists (who are nationals of foreign countries); and will be elected on the basis of their distinguished contributions to science and technology, taking into consideration their connection with and contribution to Indian Science.
- 6. **Members** shall be persons enrolled in accordance with the regulations of the Academy.

#### **C-PRIVILEGES**

- 7. **All Fellows** of the Academy shall be entitled to the following privileges-
  - (a) to attend and to vote at all General Body Meetings;
  - (b) to propose and second motions at the General Body Meetings:
  - (c) to receive, gratis, one copy of the Proceedings (Section A and/or B), and of such other publications of the Academy as the Council may determine;
  - (d) to have access to the Library of the Academy;
  - (e) to present scientific papers and participate in the scientific meetings of the Academy, as per the norms:
  - (f) The Fellows may propose names for Fellowship and Membership and would be eligible for election as Officers of the Academy and Members of the Council. All Fellows duly admitted to the Academy would be entitled to write the letters FNASc after their names.
  - (g) All Members of the Academy shall be entitled to the privileges enjoyed by the Fellows as enumerated in Rule 7 (a) to (e).
  - (h) All those Members who were enrolled Members in 1996 or thereafter would be entitled to write the letters MNASc after their names.

# D-ELECTION/SELECTION AND ADMISSION OF FELLOWS AND MEMBERS

8. Fellows, Honorary Fellows, Foreign Fellows and Members shall be elected/selected in accordance with Regulations.

# E-OBLIGATIONS TO BE SIGNED BY THE FELLOWS AND MEMBERS

9. Every person elected a Fellow/Honorary Fellow/Foreign Fellow or selected a Member of the Academy shall, before admission, subscribe the following Obligation —

"We, do hereby promise, that we will strive to promote the good of the National Academy of Sciences, India for improving national culture through contributions to Science and Technology, and to pursue the ends for which the same was founded; that we will carry out, so far as we are able, those actions requested of us in the name of the Academy; and that we will observe the Rules and Regulations of the Academy, provided that, whensoever any of us shall signify to the President under our hands, that we desire to withdraw from the Academy, we shall be free from this Obligation for the future."

And if any person elected/selected shall refuse to subscribe to the said Obligation, the election/selection of that person shall be void.

#### F-CESSATION OF FELLOWSHIP/MEMBERSHIP

- Any Fellow or Member may withdraw from the Academy by giving reason through a letter addressed to the President.
- 11. A letter of withdrawal may be cancelled, at the request of the sender, within six months of its receipt by the Secretariat.
- 12. If any Fellow or Member of the Academy wilfully disobeys Rules and Regulations of the Academy, or commits wilful breach of order at any of the General Body Meetings, or having unwillingly committed, persists

in any disobedience or breach of order, after having been admonished by the President, or if for any other reason e.g. unethical behavior, indulgence in immoral acts, plagiarism, misconduct etc., whenever there appear such causes, as aforesaid, for the removal of a Fellow or a Member from the Academy before the Council that the name of a Fellow or Member shall not remain on the rolls, she/he shall be liable to be removed from the Academy, after providing her/his an opportunity to present her/his case to the President/Committee appointed for this purpose. If a majority of the Council after due deliberation, determines, by ballot, to propose to the Academy the removal of the said Fellow or Member, the President shall at a General Body Meeting of the Academy announce from the Chair such determination of the Council, and at the following Annual General Body Meeting, the proposition shall be admitted to ballot. If three fourths of the Fellows and Members present, and voting at such Annual General Body Meeting, vote for the removal of such Fellow or Member, she/he shall be removed from the Academy.

#### **G-THE COUNCIL AND ITS OFFICERS**

- 13. The administration, direction and management of the affairs of the Academy shall be entrusted to a Council. The composition of the Council of the Academy shall be as given below-
  - (i) President (1)
  - (ii) Two past Presidents of whom one shall be the Immediate Past President (2)
  - (iii) Two Vice-Presidents one would be from Prayagraj or from a place within a distance of 250 km from Prayagraj and the other would be from outside this region (2)
  - (iv) One Treasurer from headquarters (1)
  - (v) Two General Secretaries of whom one would be from Prayagraj or from a place within a distance of 250 km from Prayagraj and the other would be from outside this region (2)
  - (vi) One Foreign Secretary (1)

(vii) Fourteen Members from 5 zones\* of which at least one should be from each zone (14) Total (23)

(viii) In addition to the 23 members who would constitute the Council as given in Rule 13 above, the President will have the privilege of nominating any 3 Fellows as special invitees to the Council whose presence in the Council, in the opinion of the President, would be invaluable. Such invitees may be nominated by the President after her/his election. The invitees will hold office co-terminus with the President nominating them.

Further, the Chief Editors of the regular publications of the Academy (i.e., PNASI & Sci. Letters), and the nominee of the Secretary to the Government of India, Department of Science & Technology, New Delhi shall also be the special invitees to the Council. The condition of break (as para 16 below) will not be applicable to the special invitees; but they shall not have the right to vote.

#### \*Five Zones:

- Zone 1: Bihar, Jharkhand, Odisha, West Bengal, Meghalaya, Assam, Mizoram, Nagaland, Arunachal Pradesh, Tripura, Manipur and Sikkim.
- Zone 2: Gujarat, Maharashtra, Goa, Daman & Diu, Dadar & Nagar Haveli and Rajasthan.
- Zone 3: Andhra Pradesh, Telangana, Karnataka, Kerala, Tamilnadu, Puducherry, Andaman & Nicobar Islands and Lakshadweep.
- Zone 4: Uttar Pradesh, Uttarakhand, Chattisgarh and Madhya Pradesh.
- Zone 5: Delhi, Haryana, Punjab, Jammu & Kashmir, Himachal Pradesh and Chandigarh.
- NOTE: The number of zones and their geographical jurisdiction may be redetermined by the Council from time to time.
- 14. The President, the Vice-Presidents, the Treasurer, the two General Secretaries and the Foreign Secretary shall be called the Officers of the Academy.

- 15. (i) Any Fellow of the Academy can be considered for the office of the President and the 2 year break condition will not be applicable to the office of the President.
  - (ii) The offices of the Treasurer, General Secretaries, Foreign Secretary and membership of the Council shall be filled by Fellows of the Academy only.
- 16. The nomination of the Officers and Members of the Council shall take place in accordance with the regulations of the Academy. The President, the two Vice-Presidents, the Foreign Secretary, Treasurer and General Secretaries shall be nominated for a term of 2 years; the Treasurer and General Secretaries can be renominated for another term of 2 years. The term of all the Council Members shall be for a 2 years period followed by at least 2 years break for re-induction into the Council except as President.
- 17. The Treasurer and the two General Secretaries shall hold office until a successor has assumed charge.

# 18. The powers and duties of the Council shall be as follows-

- (a) to manage the affairs of the Academy, and to make such Regulations as may appear to it conducive to the good administration of the Academy and the attainment of its objects, provided that such Regulations be not inconsistent with anything contained in these Rules;
- (b) to approve the annual Budget of the Academy as presented by the Treasurer on behalf of the Standing Finance Committee and to approve such other expenses as it may deem fit in the interest of the Academy;
- (c) to superintend and direct the publication of the Proceedings or other journals and works published by the Academy;
- (d) to appoint as many salaried officers and employees as may be deemed necessary; to define their duties, allowances, salaries and privileges; and to punish, suspend or dismiss them, or to dispense with their services, as per Bye-laws of the Academy;
- (e) to exchange any property or otherwise dispose of any books, journals, maps, specimens, etc.

- belonging to the Academy, in such a manner as may, in its opinion, be best conducive to advance the objects and interests of the Academy;
- (f) to prepare and submit to the Annual General Body Meeting a Report on the activities and matters of general concern to the Academy. Such report shall include the balance sheet for the year and shall set forth the income and expenditure for the financial year, the balance in hand, the debts and assets, the profit or losses to the Academy;
- (g) to exercise general supervision over the employees and affairs of the Academy, and to assist in carrying out the Rules and Regulations of the Academy and Orders made by the Council;
- (h) in conformity with the provisions of the Registration Act, No. XXI of 1860 (Sections 9 and 10), under which the Academy has been registered, the Council is empowered to take legal proceedings under the Act for the recovery of any sums due to the Academy or for other matters in the interest of the Academy.

### 19. The powers and duties of the President shall be as follows:

- (a) to preside over all meetings of the Academy and of the Council and to regulate the proceedings at such meetings;
- (b) to ensure that due effect is given to the Rules and Regulations;
- (c) to be ex-officio Member of all the Committees appointed by the Council.
- 20. In the absence of the President for any reason, one of the Vice-Presidents shall perform the duties of the President.

# 21. The duties of the General Secretaries shall be as follows:

- (a) to correspond on behalf of the Academy, and to sign letters and papers on behalf of the Academy;
- (b) to attend all the Meetings of the Academy and of the Council; to record minutes of the proceedings of such Meetings, and at the commencement of every

- such Meeting, to read the minutes of the previous Meeting;
- (c) to prepare and maintain an up-to-date list of Fellows and Members of the Academy;
- (d) to maintain, or cause to maintain all the proceedings of the Academy and of the Council before the following Meeting, and to see that all letters and papers and documents of every kind connected with the business of the Academy are properly filed and preserved;
- (e) to sue and be sued in the name and on behalf of the Academy;
- (f) to exercise general supervision over the employees and affairs of the Academy, and to assist in carrying out the Rules and Regulations of the Academy and Orders made by the Council;
- (g) to sanction payments on behalf of the Academy as per the Rules/Bye-Laws; and provisions within limits prescribed by the budget approved by the Council or sanctioned otherwise by the Council. Provided that for expenditure on items other than those covered by the budgetary provisions, sanction of the Council would be necessary.
- (h) to be ex-officio Member of all Committees appointed by the Council:
- (i) One of the General Secretaries shall attend and act as Secretary to the Meetings of Fellows prescribed in the Regulations and General Body Meetings. The two General Secretaries shall by mutual agreement divide the duties assigned to them with the approval of the President of the Academy.
- 22. **The Duties of Treasurer**: The Treasurer shall receive and hold for the use of the Academy all money paid to the Academy. She/he shall disburse all sums due from the Academy duly sanctioned by the appropriate authorities and shall keep accounts of all such receipts and payments.

Provided that the Council may delegate and authorize on a proposal by the Treasurer, by a resolution, powers of payments to such employees of the Academy as it may deem fit for certain accounts.

Provided further that all such payments made by the employees will be reported to the Treasurer within a fortnight of the payment.

Provided further that such payments made by an employee will not exceed Rs. 5000/- under any head.

- 23. All the sums received by the Academy shall be deposited in any of the forms and modes of investment(s) or deposit(s) as prescribed under section 11(5) of the Income Tax Act 1961.
- 24. The Academy may formulate its own service rules, leave rules, T.A. rules etc. In absence of any specific rule, the decision shall be taken by the Council.

#### H-MEETINGS OF THE ACADEMY

- 25. General Body Meetings of the Academy which the Fellows, Members and Benefactors, would be entitled to attend shall be of three kinds:
  - I. Ordinary Meetings of the General Body
  - II. Extraordinary Meetings
  - III. Annual General Body Meeting
- 26. The following Rules shall be applicable to all the above mentioned meetings of the Academy-
  - (a) Seven Fellows and/or Members shall constitute a quorum.
  - (b) The President or, in her/his absence, one of the Vice-Presidents shall take the Chair; if neither the President, nor any of the Vice-Presidents be present, on the expiration of fifteen minutes after the hour fixed for the Meeting, Fellows and Members, present shall elect a Chairperson.
  - (c) The business of each Meeting shall be proceeded with in the order hereinafter prescribed in Rules 28 and 29, provided always that on written notice being given to the President or General Secretaries, not less than 48 hours before the hour of Meeting, a motion of the immediate transaction of urgent business may be made; and if such motion be seconded and carried, this rule shall be suspended.
  - (d) With the exception mentioned in the above para of Rule 26, notice of motion on any matter of importance shall be given at the General Body

Meeting preceding that on which the subject is to be disposed of, in order to provide opportunity to the Fellows and/or Members who take an interest in the question of informing themselves regarding it and expressing their dissent; and no motion outside the agenda, of which notice has not been given, shall be carried at the Meeting at which it is proposed, if the President or Chairman of the Meeting rules that it shall be postponed.

- (e) All motions for the amendments, except those emanating from the Council, shall require to be seconded. Amendments must be in writing, unless excused by the Chairman. Not more than a single amendment to the original motion shall be laid before the Meeting at one time. When any such amendment has been negated, or has been allowed to take the place of the original motion, other amendments involving fresh points may be proposed.
- (f) The usual method of voting shall be by show of hands.
- (g) The Chairman's decision on the show of hands shall be final unless a division is called for. Any Fellow or Member present may call for a division.
- (h) The Chairman shall not vote with the rest of the Members; but when the votes for and against are equal, she/he shall have a casting vote.
- 27. The Annual General Body Meeting of the Academy shall be held under the following Rules and for the transactions of the following business-
  - (a) The Academy shall hold an Annual Session in a centre of learning at which research papers received from members will be presented and discussed; technical and popular lectures by eminent scientists will be arranged and Symposia/Seminars/Workshops may be held.
  - (b) The Session will be held preferably in December, failing which on dates decided upon by the Council in consultation with the host institution.

(c) Awards instituted by the Academy would ordinarily be presented during this Annual Session.

- (d) Circulars for the Annual Sessions will be sent to members at least four months in advance in which the last date for the receipt of papers to be presented will be clearly indicated.
- (e) During the Annual Session, the General Body Meeting of the Academy shall be held. At this meeting, the following business shall be transacted:-
- (i) The Annual Report on the functioning of the Academy will be presented in accordance with Rule 18 (f).
- (ii) Election of the Officers and Members of the Council of the Academy for the ensuing year as provided under the Regulations.
- (iii) Consideration of recommendations of the Council regarding framing of rule(s), changing of rule(s) or modifying of rule(s) of the Academy, if any, as provided under Rule 32.
- (iv) Such other business of which at least 15 days notice has been given by Fellows and Members.
- (v) Any other matter with the permission of the Chair.

# I-MEETING OF THE COUNCIL AND OF COMMITTEES APPOINTED BY THE COUNCIL

- 28. The following Rules shall be applicable to Meetings of the Council-
  - (a) Ordinarily, four meetings of the Council will be held, one in each quarter of the year.
     Other meetings and emergency meetings may be held as and when considered necessary.
  - (b) The President, on her/his own or when requested by five or more members of the Council, would call a Special Meeting of the Council, for which due notice shall be given to all members.
  - (c) Five members shall form the quorum.
  - (d) The President, or in her/his absence, one of the Vice-Presidents shall take the Chair. If neither the President nor any one of the Vice - Presidents, be present within fifteen minutes after the hour appointed for the Meeting, the Members present

- shall elect a Chairman from amongst the members present.
- (e) The ordinary method of voting shall be by show of hands, but the votes shall be taken by ballot on motion to this effect duly carried, or when these Rules provide for such method of voting.
- (f) The President shall not vote with the other Members, but when the votes are equal, she/he shall have a casting vote.
- (g) Minutes of the proceedings of every meeting of the Council shall be taken during their progress by a General Secretary, or in the absence of both the General Secretaries, by some Member present whom the Chairman shall appoint for the purpose. The Minutes shall afterwards be circulated to the Members present at the Meeting for the purpose of ascertaining their correctness.

# 29. The order of business at the meetings of the Council shall be as follows-

- (a) The Minutes of the last Meeting shall be read and if found correct shall be confirmed by the Members and signed by the General Secretary and the President; if objected to, on the ground of incorrectness, they shall be amended on motion made and carried to this effect.
- (b) Action taken in respect of the earlier decisions of the Council to be reported.
- (c) Election of new members of the Academy as provided under Rule 8, to be announced.
- (d) The gifts made to the Academy since its last Meeting shall be announced and exhibited.
- (e) Reports and communications from the Council shall be read in the order prescribed by the Council.
- (f) Other matters pertaining to the activities and progress of the Academy.
- (g) The Chairman shall have the power, when she/he considers that the Meeting has been unduly prolonged, to order any uncompleted business to stand over to the next Meeting.
- 30. The Council may nominate Committees or Sections for the consideration of special matters.

These may specifically include the following-

- (i) Fellowship Scrutiny Committees to scrutinize nominations for Fellowship and make recommendations to the Council.
- (ii) Membership Scrutiny Committee to scrutinize nominations for Membership and make recommendations to the Council.
- (iii) Committees for screening nominations for various awards, lectureship etc. instituted by the Academy.
- (iv) Standing Finance Committee, and Administrative Committee.
- (v) Editorial Boards of the Periodicals of the Academy.
- (vi) Organizing Committees for Symposia, Conferences etc.
- (vii) Such other Committees as the Council may find necessary for specified purposes. Provided that the General Secretaries would be exofficio members of all the Committees.
- 31. The Committees shall report all decisions on matters referred to them to the Council.
- 32. Procedure for framing and amending the Rules The Council may frame and amend the Rules of the Academy as may be required in the interest of smooth functioning of the Academy.

The Rules, thus proposed by the Council, shall be placed before the Annual General Body Meeting of the Academy for consideration and approval. On approval in the Annual General Body Meeting, the Rules shall immediately come into force and shall be incorporated in the Year Book of the Academy.

If the Annual General Body Meeting does not approve of the Rules as framed by the Council, the same would be referred back to the Council for reconsideration.

#### **REGULATIONS**

# REGULATIONS REGARDING ELECTION AND ADMISSION OF FELLOWS

These regulations to be read as follows:

- There shall be a Meeting of Fellows at the time of Annual Session for which two week's notice shall be given. In this meeting, the number of Fellows to be elected next year shall be decided.
- 2. Up to a maximum of 4 Fellows may also be elected in the area of 'Science and Society' in any year in addition to the number of Fellows to be elected during the year, for their exceptional contributions in extending scientific and technological advances for the benefit of the society, and having a visible impact.
  - A Committee will scrutinize the nominations and shall send its recommendation to the approval of the Council, NASI. The Committee shall be chaired by the Presidents' nominee from among the Past Presidents, NASI; and include the following: (i) Presidents' nominee from among the Past Presidents, NASI, (ii & iii) Two Past Presidents of NASI, one each from Biological Sciences and Physical Sciences, (iv & v) Convenors of area panels for Biological Sciences and Physical Sciences of the Fellowship Scrutiny Committee, (vi) a Fellow from the 'Science & Society' category, and (vii) one of the General Secretaries as the Member-Secretary.
- 3. Blank nomination papers for Fellowship and Foreign Fellowship shall be sent by the General Secretary to each Fellow not later than 15th January each year.
- 4. A Fellow may nominate up to three candidates each year for election to the Fellowship of the Academy.
- Nominations made for the Fellowship of the Academy shall remain in good standing for a period of five years.
  - A scientist whose nomination for Fellowship has remained in good standing for a period of 5 years and who is not elected during this period, may be renominated after a gap of 2 years.
  - During the period that a nomination remains in good standing, it should be updated every year. The General Secretary (HQ) will write to one of the Fellows who has

nominated the candidate to update the biodata of the nominee.

- 6. Nomination papers would be received in the Academy by the 15th April every year, duly filled and signed, and addressed to the General Secretary, and no paper received after this date shall be considered in that year. If 15th April happens to be a postal holiday the next working day would be the last date.
- 7. Each candidate shall be nominated and seconded by a Fellow of the National Academy of Sciences, India. The proposer should preferably belong to the same field of specialization as the nominee; and he/she shall certify that he/she is personally acquainted with the scientific contribution of the candidate.
- 8. Any candidate who canvasses for support for her/his candidature, shall be disqualified from election.
- 9. A list of scientists duly nominated with their qualifications shall be compiled from the nomination papers by the General Secretary and put on the website of the Academy; a hard copy would be sent to the members of the Scrutiny Committee, one month in advance.

The Fellowship Scrutiny Committee will scrutinize the nominations and shall send its recommendations to the Council. The Council will further scrutinize the recommendations of the Scrutiny Committee and shall have the power to delete any name from the list; but it can not add any new name.

The list approved by the Council shall be printed and circulated as a voting paper and sent out to every Fellow not later than the 15th August.

- 10. The Fellows shall then vote by placing a cross against the names of those they wish to be elected.
- 11. The voting paper indicating the number of vacancies, shall be enclosed unsigned in a sealed envelope, which shall be forwarded to the General Secretary in an outer cover with a covering letter signed by the Fellow, so as to reach the Academy by the 15th September. In the absence of a covering letter a voting paper shall become invalid.
- 12. There shall be a Meeting of the Fellows in September/ October on two week's prior notice. At this Meeting the sealed envelopes shall be opened and counted as per the

- directions of the Chairman. The Chairman will be elected from among themselves by the Fellows present in the meeting.
- 13. For meetings of Fellows, seven Fellows shall constitute the quorum.

### REGULATION REGARDING ADMISSION OF HONORARY FELLOWS

Only such individuals who have distinguished themselves by their intellectual achievements/leadership/creativity in a chosen field of work, which has led to the progress of science, may be admitted as Honorary Fellows.

Nominations for Honorary Fellowship duly supported by a statement giving reasons there of would ordinarily be made in the meeting of the Council to be held in the month of July. The nominations after being duly circulated to members of the Council would be placed in its next meeting for approval.

# REGULATIONS REGARDING ELECTION AND ADMISSION OF FOREIGN FELLOWS

These regulations to be read as follows:

- Fellows of the Academy may nominate distinguished scientists from foreign countries (who are nationals of foreign countries), for election to the Foreign Fellowship of the Academy.
- 2. The maximum number of Foreign Fellows shall be 125, with admission of ordinarily not more than 5 Foreign Fellows in any one year.
- Apart from being a distinguished scientist, a nominee must be associated with the development of science in India and associated with Indian scientists as evidenced by collaborative programmes with them, training of Indian scientists, participation in Indian scientific programmes, visits to India for participation in conferences, consultancy, programmes, etc.
- 4. Nominations must be accompanied with detailed information regarding the scientific contributions of the nominee, her/his biodata and evidence of the nominee's involvement in the development of Science and Technology in India. The Fellow making the nomination

- will provide details and certify about the nominee's involvement with Indian science and scientists.
- 5. Nominations must reach the Academy by 15th April every year.
- The nominations will be first placed before the respective Fellowship Scrutiny Committee at its meeting in July. The recommendations of the Fellowship Scrutiny Committee will then be deliberated upon in the Council. The Council may also consider new names proposed by Council Members.
- The names approved by the Council for Foreign Fellowship would be printed and circulated as voting paper and sent out to the Fellows for voting not later than 15th August.
- 8. Regulations regarding the despatch, voting, receipt, opening and counting of the voting papers would be the same as in the case of Fellows.

#### **REGULATIONS REGARDING ADMISSION OF MEMBERS**

The following are the criteria for admission of members:-

- (i) Scientists for Membership shall be nominated by a Fellow and seconded by another Fellow of the Academy, on the basis of personal knowledge of the nominees scientific contributions. These nominations shall be deliberated upon by the Membership Scrutiny Committee appointed by the Council. Its recommendations shall be placed before the Council in its meeting in April. Scientists approved by the Council for the membership would be enrolled as Members of the Academy on payment of the necessary dues as Members.
- (ii) High academic qualifications in any discipline of Science & Technology e.g. Ph.D., D.Phil., M.Tech., M.D., M.S., and equivalent qualifications.
- (iii) Evidence of active involvement in Science and Technology activities.
- (iv) Documented evidence of high quality research publications in peer reviewed national and international journals.
  - and/or evidence of exceptional ability as a teacher or involvement in 'Science Promotion'/'Science Popularization Programmes'.

(v) The total number of members shall not exceed 2000.

## REGULATIONS REGARDING NOMINATION TO VACANT OFFICES AND THE MEMBERSHIP OF THE COUNCIL

 A list of vacancies, including those for Officers of the Academy and Members shall be prepared in the meeting of the Academy's Council in April every year and the nominations shall be invited from Fellowship only for designated vacancies.

The General Secretaries will invite proposals from Fellowship for nomination to vacant Offices and the Membership of the Council for the ensuing year. The zonewise list of Fellows should be available on the website of the Academy. The nominations made by the Fellows must reach the Academy latest by June 30.

A list of these nominations shall be placed before the Council in its meeting to be held in July and the Council in proposing the names for various Offices and Membership of the Council will confine itself to this list.

The General Secretary (HQ) shall prepare a list of such persons whom the Council recommends to be elected as President, Vice-Presidents, Treasurer, General Secretaries, Foreign Secretary and other Members of the Council for the ensuing year, and before the 1st September such list shall be circulated among the Fellows of the Academy for voting, which shall bear a blank column opposite the list of the names for such proposals as any Fellow may wish to make.

- 2. The Council shall, by the 1st August each year, recommend twenty-three members as follows:-
  - (1) One President, (2) Two Past Presidents of whom one shall be Immediate Past President, (3) Two Vice-Presidents, (4) Two General Secretaries, (5) One Treasurer, (6) One Foreign Secretary and (7) Fourteen members.
- The names thus proposed for constituting the Council shall be circulated among the Fellows for voting. The Fellows shall then vote for the officers and members in the Council, to be filled by placing a cross against the names of those she/he wishes to elect.

4. The voting papers shall be enclosed unsigned in a sealed envelope supplied by the Academy, which shall be forwarded to the General Secretary in an outer cover with a covering letter signed by the Fellow, so as to reach the Academy by the 1st October or the date fixed by the Council. In the absence of a covering letter, the voting paper shall be declared invalid.

- 5. The sealed envelopes shall be placed by the General Secretaries in the Annual General Body Meeting.
- 6. Two scrutinisers shall be appointed by the President, with the approbation of the majority of the Fellows and Members present.
- 7. The scrutinisers shall open and examine the voting papers and report to the President the names of those having 2/3 or more of the votes cast, and these names constituting the Council shall then be announced in the same Annual General Body Meeting.
- 8. In the event of a vacancy occurring during the year in the office of President, Vice-Presidents, Treasurer, General Secretaries, Foreign Secretary, the remaining Members of the Council may fill up such a vacancy. The action so taken by the remaining Members of the Council shall be reported at the next Annual General Body Meeting.
- 9. If, for any reason, the Officers and Members of the Council could not be appointed for the ensuing year in the Annual General Body Meeting, the Officers and Members of the Council appointed during the previous year shall continue to hold office until their successors are duly nominated and assume office.

## REGULATIONS REGARDING PUBLICATION OF PROCEEDINGS AND SCIENCE LETTERS

- There shall be Managing Editor(s)/Editorial Board(s) responsible for the coordination and management of the publication of the Proceedings of the National Academy of Sciences, India and National Academy Science Letters. The Managing Editor(s)/Editorial Board(s) shall be appointed by the Council and hold office for normally two years at a time.
- 2. There shall be separate Editorial Boards—one for each of the following publications of the Academy viz.

- (a) Proceedings of the National Academy of Sciences, India Section A;
- (b) Proceedings of the National Academy of Sciences, India Section B; and
- (c) National Academy Science Letters.

Each Editorial Board shall consist of the Managing Editor, the Chief Editor, Subject Editors from eminent experts in various disciplines (as members); and will be presided over by the President of the Academy.

- The number of members and subject Editors shall be decided by the Council from time to time.
- 4. The Council shall appoint separate Editors for special publications as and when necessary.

#### **REGULATIONS REGARDING MEETINGS**

Regulations regarding the 'General Body Meetings' of the Academy:

- 1. A notice of 2 weeks will be given for an ordinary meeting of the General Body.
- 2. A notice of 7 days will be given for an Extraordinary meeting of the Academy.
- 3. A minimum of 3 weeks, notice will be given for the Annual General Body Meeting of the Academy.

## REGULATIONS REGARDING THE MEETINGS OF THE COUNCIL

- 1. Two weeks' notice will be given for the meetings of the Council to be held one in each quarter of the year.
- 2. Any other meeting including a Special meeting of the Council can be convened with the permission of the President, after giving a week's notice.
- 3. An Emergent meeting of the Council can be convened by giving 48 hours' notice.

## Appendix 'A' WORKING OF CHAPTERS

**Objective-** In order to pursue the objectives of the Academy and create an adequate impact of the Academy all over the country, it is necessary to expand the activities of the Academy in a meaningful way by involving a larger number of scientists, foreign visitors, educationists and industrialists. This is to be

done by the Academy by opening Chapters in important centres.

Functions- The main functions of these Chapters will be to-

- (a) arrange lectures/discussions/seminars/symposia on the current and future sciences, technology and science education and their impact on society.
- (b) maintain a library of Academy's publications for reference.
- (c) work as a liaison office between the local Chapter members and the Academy headquarters.

#### Conditions-

- (a) Chapters may be opened only in those centres where there are preferably 20 Fellows/Members.
- (b) All local fellows and members of the National Academy of Sciences, India shall be members of the Chapter without any payment; and they shall be invited in activities of the Chapter. The activities of the Chapter would be run by a Committee consisting of (i) the Chairman, (ii) Secretary and (iii) three Advisors. The Chairman and the Secretary preferably be the Fellows of the Academy. The first set of office bearers may be nominated by the President of the Academy and thereafter they shall be elected from amongst the members of the Chapter.
- (c) The Chairman and the Secretary shall submit the Annual Report of the activities of the Chapter to the Council of the Academy by 1st April every year.
  - **Finances**: The Academy may support the activities of the Chapter. The modes of support will be decided by the Council from time to time.

#### (A) REGULATIONS FOR ACADEMY'S AWARDS

- 1. The lecture/memorial lecture awards be put under the category of Regulations.
- 2. These awards be broadly named as 'Academy Awards/Lectures/Medals'.
- 3. Further, all awards under the above mentioned category be classified in two types-
- a) 'Academy Awards/Lectures/Medals' to be held annually, as-
  - Prof. Meghnad Saha Memorial Lecture Award; Instituted by the Academy in the year 1981; Prof. Meghnad Saha Memorial Lecture may be held in any front line area in Physics and its applications (age- no bar).
  - ii) Prof. N.R. Dhar Memorial Lecture Award; Instituted by the Academy in the year 1990; Prof. N.R. Dhar Memorial Lecture may be delivered in an area of Chemistry, preferably having an impact on agriculture (age- no bar).
  - iii) Prof. (Mrs.) Archana Sharma Memorial Lecture Award; Instituted by the Academy in the year 2009 from the grant sanctioned by the DBT, New Delhi; Prof. (Mrs.) Archana Sharma Memorial Award Lecture may be delivered by the selected "Eminent Woman Scientist irrespective of age and area".
  - iv) Prof. MGK Menon Lecture Award; Instituted by the Academy in the year 2015; Prof MGK Menon Lecture may be delivered by an active working Indian Scientist up to the age of 55 in any field of Science and Technology. [There is another Prof MGK Menon Memorial Award (having an honorarium of Rs. 1 lac with a Gold Medal and travel expenses) to be given to an eminent Indian Scientist for her/his contributions to any area of Science and Technology development, promotion, popularization and application- details given on page no. 38]
  - v) Prof. V. P. Sharma Memorial Lecture Award; Instituted by the Academy in the year 2016; Prof. V P Sharma

Memorial Lecture may be delivered in the frontier areas of Biological Sciences (age- no bar).

- vi) Prof. A.K. Sharma Memorial Lecture Award; Instituted by the Academy in the year 2018; Prof. A.K. Sharma Memorial Lecture may be delivered by the selected "Eminent Plant Scientist, a researcher and an efficient manager of science" preferably below 70 years of age.
- vii) Prof. Prafulla Chandra Ray Memorial Lecture Award; Instituted by the Academy in the year 2018; Prof. Prafulla Chandra Ray Memorial Lecture may be held in any front line area in Chemistry and its applications (age- no bar).
- viii) Prof. SK Joshi Memorial Lecture Award; Instituted by the Academy in the year 2021 from the endowment given by Dr. AV Rama Rao, former Director, IICT and CMD, AVRA Laboratories Pvt Ltd, Hyderabad. Prof. SK Joshi Memorial Lecture may be delivered by an Indian Scientist in any field of Science and Technology (ageno bar).

Prof. A.K. Sharma Memorial Lecture awardee will be given a gold medal, a citation and a cash award of Rs. 1,00,000/- (from the endowment given by the DBT, GOI). In all remaining awards, each awardee will be given a gold medal, a citation and a cash award of Rs.50,000/-.

- b) 'Academy Awards/Lectures/Medals' to be held on every alternate year. The following will be included in this category:
  - i) Prof. A.C. Banerji Memorial Lecture Award; Instituted by the Academy in the year 1981 from the endowment given by Sri Milon K. Banerji, Former Attorney General of India, New Delhi (son of Late Prof. A.C. Banerji).
  - ii) Dr. B.P. Pal Memorial Lecture Award; Instituted by the Academy in the year 1990 from the endowment given by Dr. Bobby L. Renfro, Maize Pathologist, Mexico and also from Academy's contributions.
  - iii) Dr. P. Sheel Memorial Lecture Award; Instituted by the Academy in the year 1988 from the endowment given by Mrs. Radhika Sheel.
  - iv) Dr. P. Sheel Memorial (Young Woman Scientist) Lecture Award; Instituted by the Academy in the year 1996 from the endowment given by Mrs. Radhika Sheel.

- v) Prof. Saligram Sinha Memorial Lecture Award; Instituted by the Academy in the year 1990 from the endowment given by relatives and others associated with Prof. Saligram Sinha.
- vi) Prof. R.C. Gupta Endowment History of Science Lecture Award; Instituted by the Academy in the year 2000 from the endowment given by Prof. R.C. Gupta, Ganita Bharati Academy, Jhansi.
- vii) Prof. R.N. Tandon Memorial Lecture Award; Instituted by the Academy in the year 2000 from the endowment given by the family and students of Late Prof. R.N. Tandon.
- viii) Prof. B.K. Bachhawat Memorial Young Scientist Lecture Award; Instituted by the Academy in the year 2002.
- ix) Prof. B.K. Bachhawat Memorial Lecture Award; Instituted by the Academy in the year 2002.
- x) Prof. U.S. Srivastava Memorial Lecture Award; Instituted by the Academy in the year 2002.
- xi) Prof. Shri Ranjan Memorial Lecture Award; Instituted by the Academy in the year 2002 from the endowment given by the relatives, friends and students of Late Prof. Shri Ranjan;
- xii) Lecture Award in the field of Toxicology; Instituted by the Academy in the year 2002 from the endowment created from the savings of the 2nd Congress of Toxicology in Developing Countries organized by Industrial Toxicology Research Centre, Lucknow.
- xiii) Prof. Krishnaji Memorial Lecture Award; Instituted by the Academy in the year 2005 from the endowment given by Prof. Abhai Man Singh.
- xiv) Lecture Award in the field of Biodiversity; Instituted by the Academy in the year 2005 from the endowment given by Prof. Pramod Tandon and
- XV) Dr Mridula Kamboj Memorial Lecture Award; Instituted by the Academy in the year 2016 from the endowment given by Prof. V. P. Kamboj.
- XVI) NASI-Buti Foundation Lecture Award; Instituted by the Academy in the year 2017 from the endowment given by the Buti Foundation.

The awardees, in Dr. B.P. Pal Memorial Lecture, Prof. U.S. Srivastava Memorial Lecture, Dr Mridula Kamboj Memorial Lecture and NASI-Buti Foundation Lecture will be given a medal, a citation and a cash award of Rs. 20,000/-. However, in all the remaining awards in category (b) as mentioned above, the awardees will be given a medal, a citation and a cash award of Rs. 10.000/.

(If the endowment is not sufficient to meet the entire expenditure connected with an award, the expenses will be met from the funds of the Academy.)

The subject areas for these various lectures are given as under-

- I. Prof. A.C. Banerji Memorial Lecture may be held in any front line area of pure or applied mathematics, astrophysics and related subjects.
- II. Dr. B.P. Pal Memorial Lecture may be delivered in the field of agricultural science.
- III. Dr. P. Sheel Memorial Lecture for making significant contributions in science & technology for social development with special reference to societal development may be delivered in any area like Health, Energy, Communication, Agriculture etc. provided that the award will not be repeated in the same area before nine years.
- IV. Dr. P. Sheel Memorial (Young Woman Scientist) Lecture is open to all disciplines in science. The awardee lady scientist should be preferably below 50 years of age.
- V. Prof. Salig Ram Sinha Memorial Lecture may be delivered in any front line topic in Plant Sciences with special reference to Plant Pathology.
- VI. Prof. R.C. Gupta Endowment History of Science Lecture may be delivered in any area encompassing History of Science.
- VII. Prof. R.N. Tandon Memorial Lecture may be delivered in any area in Plant Sciences.
- VIII-IX. Prof. B.K. Bachhawat Memorial Young Scientist Lecture and Prof. B.K. Bachhawat Memorial Lecture may be delivered in the area of Biological Sciences including Medical Sciences. The awardee scientist for

- Prof. B.K. Bachhawat Memorial Young Scientist Lecture award should be below the age of 40 years.
- X. Prof. U.S. Srivastava Memorial Lecture may be delivered in any area in Animal Sciences.
- XI. Prof. Shri Ranjan Memorial Lecture may be delivered in the area of Plant Molecular Biology.
- XII. Award Lecture in the field of Toxicology may be delivered in the area of Toxicology (in the broadest sense).
- XIII. Prof. Krishnaji Memorial Lecture in the area of Experimental Physics and Instrumentation to an Indian citizen who has made commendable contributions in the area.
- XIV. Award Lecture in the field of Biodiversity may be delivered in the area of Biodiversity. The lecture is to be given to school children to create awareness in them.
- XV. Dr Mridula Kamboj Memorial Lecture Award may be delivered in any area of Biomedical Sciences.
- XVI. NASI-Buti Foundation Lecture may be delivered by Distinguished Woman Physicist (age- no bar).

#### 4. General norms for holding the lectures:

- i) Nominations for the aforesaid lectures will be made by the Fellows of the Academy. The awardees will be selected by the Council in accordance with the regulations as may be made from time to time.
- ii) The awardees will be called upon to deliver a lecture at a date, time and place as decided by the Council.
- iii) The awardee would be required to supply a written script of her/his lecture which the Academy would suitably publish.
- iv) The Academy shall bear the cost of travel of the awardee from her/his place of work/residence to the place of lecture and back as per rules of the Academy.
- V) The minimum contribution for instituting an endowment lecture award will be Rs. 5 lacs.
- vi) The continuity of an endowment lecture award be reviewed after every 5 years.
- Vii) In future, any award will be instituted only after the approval of the NASI Council.

#### (B) PROF. MGK MENON MEMORIAL AWARD

Introduction - Prof. MGK Menon, one of the most renowned scientist and architect of Indian Science and Technology, was the pillar and visionary for the growth and progress of the National Academy of Sciences, India, the oldest of the science academies. He basically started the science promotion and popularization of science activities, in NASI. The academy decided to honor him by starting a lecture series in his name in the year 2015.

#### Procedure-

A Search-cum-Selection Committee chaired by the President, with four Past Presidents of the Academy to be nominated by the President of the Academy, would select the speaker.

The Lecture Award would be given to an eminent Indian scientist for her/his contributions to any area of Science and Technology development, promotion popularization and application.

The Lecture Award would carry an honorarium of Rs. 1 lakh with a Gold Medal and travel expenses.

## (C) REGULATION REGARDING THE NATIONAL ACADEMY OF SCIENCES, INDIA SCIENCE TEACHER AWARD

In order to recognise one (or more) outstanding teacher(s), teaching science in High Schools/Higher Secondary Schools/Intermediate Colleges/other equivalent institutions for distinction achieved by him/her in stimulating students to take part in co-curricular and out-of-the class science activities and bringing out their talents in science, the Academy would select every year awardee(s), called the National Academy of Sciences, India Science Teacher Awardee.

The Awardee(s) selected each year would be invited to receive the Award in a function to be held at Prayagraj on the National Science Day, February 28. On the occasion, the Awardee(s) would be requested to deliver a brief talk.

The Award would comprise a Citation and Rs. 20,000/-(Rupees Twenty thousand only) cash. The cost of travel of the Awardee(s) from the place of her/his work to Prayagraj and back and hospitality at Prayagraj would be borne by the Academy.

Nominations for the Award would be invited through appropriate procedure and selection would be made by a Committee to be nominated by the Council.

#### Criteria for the NASI - Science Teacher Award -

- The teacher, besides excellence as a teacher, should have been actively involved in stimulating students to take active interest in extra curricular science activities and in innovation of teaching methods.
- 2. Success in stimulating students evidenced by the participation of the students under the guidance of the concerned teacher in extra curricular science activities, like Science Exhibitions, Students Science Congress, competitive items like Science Debate, Quizes, Essays, properly documented field studies etc.
- Development and use of innovative methods may include development of apparatus, software, equipments or devices for science teaching, innovative and/or low cost experiments etc.
- 4. Active involvement in science popularization activates will be an additional qualifications.
- 5. Teachers undertaking tutions would not be considered.

#### Note -

- 1. The Academy reserves the right to final selection of the teacher for the Award. No appeal or protest in this regard would be entertained.
- It is not necessary for a nominee to have participate/taken part in each of the activities given above.

# (D) REGULATION REGARDING THE BEST SCIENCE TEACHER AWARD FOR PRAYAGRAJ REGION IN THE MEMORY OF LATE RAMA SHANKAR MISRA

The Academy has instituted in the year 2010 the "Best Science Teacher Award for Prayagraj Region" in the memory of late Rama Shankar Misra, father of Prof. Ashok Misra, Past President, NASI, from the endowment fund of Rs.1,00,000/- (Rupees one lac only) donated by

Prof. Ashok Misra. The regulations for this award will be same as of NASI-Science Teacher Award except that the Award would comprise a Citation and Rupees Ten Thousand only; and it would be only for Prayagraj region.

# (E) REGULATION REGARDING THE NATIONAL ACADEMY OF SCIENCES, INDIA PROF. M.R. RAILKAR TEACHER AWARD FOCUSSED ON MATHEMATICS INSTRUCTION\*

In order to recognise one (or more) outstanding teacher(s), teaching Mathematics in High Schools/Higher Secondary Schools / Intermediate Colleges / other equivalent institutions for distinction achieved by him/her in stimulating students to take part in co-curricular and out-of-the class Mathematics activities and bringing out their talents in Mathematics, the Mumbai Chapter of the Academy would select every year awardee(s), called the National Academy of Sciences, India Prof. M.R. Railkar Teacher Awardee.

The Awardee(s) selected each year would be invited to receive the Award in a function to be organized by Mumbai Chapter of the Academy on the National Science Day, February 28. On the occasion, the Awardee(s) would be requested to deliver a brief talk.

The Award would comprise a Citation and Rs. 5,000/-(Rupees Five thousand only) cash. The cost of travel of the Awardee(s) from the place of her/his work to Mumbai and back and hospitality at Mumbai would be borne by the Mumbai Chapter of the Academy out of the Funds provided by the Academy.

Nominations for the Award would be invited through appropriate procedure and selection would be made by a Committee consisting of Chairperson and three eminent Mathematician as expert nominated by the Mumbai Chapter of the Academy.

Instituted out of the endowment created by Prof. Ravi S. Kulkarni, Formerly Director, HRI, Allahabad, in honour of his teacher Prof. M.R. Railkar (Pune).

## (F) REGULATIONS REGARDING THE NATIONAL ACADEMY OF SCIENCES, INDIA - SWARNA JAYANTI PURASKAR

As part of science promotional activities the Academy has instituted two awards known as 'The National Academy of Sciences, India - Swarna Jayanti Puraskar'. These awards would be given to the young scientists presenting the best research paper in the sections of Physical and Biological Sciences at the Annual Session of the Academy.

The Awardee in each section would be selected by a Committee comprising the Sectional President of the Section and two Fellows present there. Each Award comprises Rs. 5000/- cash and a Citation.

# (G) REGULATIONS REGARDING THE NASI-RELIANCE INDUSTRIES PLATINUM JUBILEE AWARDS FOR APPLICATION ORIENTED INNOVATIONS COVERING BOTH PHYSICAL AND BIOLOGICAL SCIENCES

The nominee should be an Indian citizen/overseas citizen of India working in India and below the age of 50 years on April 15 of the year of the award.

Areas for the Awards - Physical Sciences including - Chemistry, Engineering, Mathematics, Physics, Electronics, Nanotechnology, Information & Computer Sciences, Earth and Atmospheric Sciences.

**Biological Sciences** including - Agriculture, Animal and Plant Sciences, Environment, Biotechnology, Biochemistry, Bioprocess Engineering, Bioinformatics, all branches of Medical Sciences, Nanotechnology.

**Number and Value of Awards -** Three in Physical Sciences and three in Biological Sciences each year. Each award carries a plaque and Rs. Three lakhs in cash.

**Nominators and Last Date -** (a) All Science Secretaries, Secretary HRD, Director Generals - CSIR, ICMR & ICAR.

- (b) Directors of IITs, IIITs, National Laboratories/ Institutes, Industries with well recognized R&D units including private research institutions.
- (c) Vice-Chancellors of all Universities Central & State.

(d) Directors of Indian Institute of Science, Bangalore, AIIMS, New Delhi, PGI's of Medical Research, Chairman, UGC.

- (e) Presidents of all Science, Engineering, Medical and Agriculture Academies.
- (f) All Fellows of the NASI.

Nominations will be invited by the President, NASI through advertisements in Academy's Journals, Current Science and Academy's website.

A nomination shall be made in the prescribed format. 20 copies of nomination form and one set of reprints of 10 publications along with all supporting documents, must reach the Academy latest by April 15 every year.

The nominations would be valid for 3 years; however, the nominators must update the achievements of the nominees and justify their candidature every year.

**Selection of the Awardees -** The awardees will be selected by an Expert Committee constituted by the Council of NASI from nominations received.

**Presentation of the Awards -** The presentation of the Awards will be made at the time of Annual Session.

(H) REGULATIONS REGARDING THE NASI-YOUNG SCIENTIST PLATINUM JUBILEE AWARDS IN ANY BRANCH OF SCIENCE OR TECHNOLOGY RECOGNIZED BY THE ACADEMY

The NASI Young Scientist Awards are considered to recognize promise, creativity and excellence in a young scientist.

**Eligibility -** The NASI Young Scientist Platinum Jubilee Award shall be made in recognition of notable contributions to any branch of science or technology, recognized by the Academy, on the basis of work carried out in India.

Any citizen of India/overseas citizen of India working in India and who is below the age of 35 years as on April 15, of the year of award, shall be eliqible for the award.

**Number of Awards -** Maximum number of the selected candidates should not be more than 30 (15 from Biological Sciences and 15 from Physical Sciences) in a year; and there should be a separate sub-committee (in addition to the existing sub-committees) for 'Biochemistry/Biophysics/Biotechnology/Bioinformatics including the Medical Sciences', to facilitate screening process in a more systematic way.

Nominations and Last Date - A notification inviting nominations for the award shall be issued each year

after the Council Meeting of the Academy held in January/February.

A candidate may be proposed by a Fellow of the National Academy of Sciences, India. Scientific Society of national standing, university faculty, Post-Graduate department or research institutions may also make nominations of eligible candidates.

A candidate may only be nominated once. However, a nomination will remain valid for consideration for 3 years or the age eligibility whichever expires earlier.

A nomination shall be made in the prescribed format. This, along with all supporting documents, must reach the Academy latest by April 15.

**Selection Committee for the Award -** The General Secretary (HQ) at the very outset, may examine the nominations and assign them to two Scrutiny Committees for consideration. Each Scrutiny Committee will recommend upto 10 candidates, who will be invited for presentation in July at the time of council meeting.

The candidates invited to present their work shall do so before the concerned members of the Scrutiny Committee.

Candidates called for presenting their work before the Sectional Committees shall be entitled to I class/II AC return rail fare and per diem according to the Rules of the Academy.

Recommendations of the Sectional Committees - Each Scrutiny Committee shall send its recommendations to the Council in writing, duly signed by all members present. The recommendations shall contain, strictly in order of priority, not more than three names. The main criteria for selection will be the originality of the candidate's research contributions and her/his understanding as evidenced by publications and performance during the presentation.

The recommendations of the Scrutiny Committee shall be handed over immediately after the meeting, by the Convener, in a sealed envelope addressed to the General Secretary (HQ) of the Academy; the envelope should bear the superscription: to be opened by the addressee only.

**Selection by the Council -** The Council will select candidates for this award at the meeting in the month of July, based on the reports from the Conveners of Sectional Committees.

**Announcement of the Awards -** The names of the Young Scientists selected for the awards by the Council shall be communicated to the Fellowship.

**Presentation of the Medals -** The presentation of Medals will be made by the President, NASI, at the time of Annual General Meeting.

For receiving the medal, the awardees will be paid travel expenses to cover the actual I class/II AC rail fare, conveyance charges for journeys from residence to rail head and rail head to venue of Annual General Meeting and a daily allowance according to NASI Rules. Daily allowance will be admissible for a maximum of 2 days for attending the presentation ceremony.

The Academy would bring out a publication containing contributions of the Young Scientists for the award at the time of the presentation of the award.

**Value -** The award shall consist of a bronze medal of the following specifications:

- (i) Size 6.35 cm in diameter
- (ii) Weight About 114 grams
- (iii) Design Obverse Name of Medal (in Devanagari character) Name of the recipient (in Devanagari characters) Year (in International numerals)

Reverse - Seal of the Academy

Each awardee will be presented a Medal, a certificate and cash prize of Rs. 25,000/-.

Appropriate steps will be taken by the Academy to maintain the relevant information in respect of the career development of all young awardees.

## (I) NASI-ICAR AWARD FOR INNOVATION AND RESEARCH ON FARM IMPLEMENTS

In order to reduce drudgery of farm women by development of farm implements and to encourage researchers and innovators to develop farm implements for farm women, ICAR and NASI have instituted the NASI-ICAR Award For Innovation and Research on Farm Implements.

**Sponsoror of the Award -** Indian Council of Agricultural Research, New Delhi and NASI, Prayagraj.

**Objective of the Award –** (i) To reduce the drudgery of farm women by development of farm implements. (ii) To encourage researchers and innovators to develop farm implements for farm women.

**Nature of Award -** One annual award meant exclusively for outstanding innovators/scientists. The award consists of Rs. 1,00,000/- in cash, citation and certificate.

Frequency - Annual.

**Eligibility Criteria -** All scientists/engineers/innovators engaged in research in agricultural farm implements are eligible.

Administration of the Award - The award will be administered by the ICAR/NASI through the Award Cell of ICAR. There will be a Judging Committee appointed by the DG, ICAR, consisting of 3-5 members including the Chairman. Two experts nominated by the President, NASI will be the members. The Committee will evaluate the applications and make recommendations to the Council.

**Evaluation Criteria - (i)** The significance of the research, innovation & extension work. Its scientific. technological and socio-economic relevance and priority (ii) The specific objective of the work and the preparation of an appropriate plan of work to achieve those objectives (iii) The organization and conduct of the work (iv) The principal findings (v) The concrete recommendations emanating from the research/ extension work (vi) The acceptability and adoptability of the recommendations by the intended users (vii) Impact of the work in quantifiable terms.

**Procedure -** Application for the award will be invited during September/October of the year of the award. Application made in the prescribed form obtainable from Award Cell (ICAR), will be accepted up to the end of November/December of the year of the award. The Judging Committee will screen the nominations, identify outstanding entries, and make recommendations to the

ICAR along with the draft citations. If no outstanding entries have been received, no award will be awarded.

**Presentation -** The presentation of award will be made on the Foundation Day of the ICAR i.e. 16<sup>th</sup> July of the year. The awardee would give a presentation on achievements of her/his work to an audience consisting of eminent agricultural & non agricultural scientists.

## (J) REGULATIONS REGARDING THE NASI PLATINUM JUBILEE CHAIRS

**The Scheme -** In order to utilize the expertise of active scientists who have made outstanding research contributions to any branch of Science & Technology, represented in the Academy, the National Academy of Sciences, India has instituted "NASI Platinum Jubilee Chairs". The awardee shall be called "NASI Platinum Jubilee Chair Distinguished Professor".

**Objectives -** The main aim of the scheme is to honor and utilize the expertise of distinguished scientists, who are capable of making significant research contributions in their field of interest.

**Eligibility** - The Awardee should be a distinguished Indian Scientist. He/She should have a sustained record of research publications of very high standard. He/She should be a Fellow of NASI.

**Number -** Total number shall not exceed two at any given time.

**Duration -** The tenure of the NASI Platinum Jubilee Chair Award would be for three years, extendable for further two years based on the review of work undertaken by the scientist in the first three years. Thus, the tenure of the award would be for a maximum of five years.

**Details of the Award-**The awardees would be paid Rs.80,000/- p.m. plus allowances as per Govt. of India rules. Pensionary benefits are to be adjusted as per Govt. of India rules. In addition, a contingency grant of Rs. 2,00,000 per annum would be provided for meeting expenditure of the awardee on secretarial assistance, telephone, domestic travel, stationery etc. This award would be taxable as per norms.

There shall be provision for appointment of a Research Fellow/Associate with an emolument + HRA as per DST rules to assist in research work. This will be supported by resources from NASI.

Mode of Selection - A Search cum Selection Committee comprising of the President, two Past Presidents and two General Secretaries will be constituted to recommend suitable scientists for the NASI Platinum Jubilee Chair Award. The Committee would normally meet once a year or whenever the need arises. The award would be announced after the approval of the NASI-Council. Members of the NASI-Council would be able to suggest names of suitable scientists to the Committee.

#### Other terms and conditions -

- 1. The award is given only for working in a recognized research/academic institution in India.
- 2. All the grants pertaining to the Award will be released through the host institution, which shall be entrusted with the accountability of the grant. The institution shall submit Utilization Certificate/ Statement of Expenditure for the grants released by NASI, every year.
- 3. Progress report on the project work done shall be submitted to NASI at the end of each financial year along with the Statement of Expenditure and Utilization Certificate for release of grant for the next year.
- 4. At the expiry of term of the Award, a comprehensive work report should be submitted, along with two copies of papers published during the tenure of the award.
- 5. The awardee would be entitled to leave as per GOI norms.
- 6. At the completion of the term, the awardee shall hand over all permanent assets purchased through the funds received under the scheme to the institution where work was undertaken or any other institution as may be decided by NASI.
- 7. The progress of the work shall be monitored by a committee of experts to be appointed by NASI.
- 8. The awardee would be invited to submit paper/review in NASI journals.

9. The above terms and conditions may be revised or amended by the Council as and when found necessary.

#### (K) REGULATIONS REGARDING THE J.C. BOSE CHAIR

To commemorate 150<sup>th</sup> Birth Anniversary of J.C. Bose in the year 2009, the Academy instituted the J.C. Bose Chair. The provisions are same as NASI Platinum Jubilee Chairs. The awardee shall be called "J.C. Bose Chair Distinguished Professor".

## (L) REGULATIONS REGARDING THE ICMR CHAIR IN PUBLIC HEALTH RESEARCH

In order to utilize the expertise of a Distinguished Scientist in the area of Public Health Research, who could take Public Health Research Project(s) aimed towards delivering technologies to common mass for preventive and promotive control measures for ensuring good health, the Academy instituted ICMR Chair in Public Health Research in the year 2010 with the financial support from Indian Council of Medical Research, New Delhi. The provisions are same as NASI Platinum Jubilee Chairs, except the emoluments which are as per ICMR sanction. The awardee shall be called "ICMR Chair Distinguished Professor".

## (M) REGULATIONS REGARDING THE DISTINGUISHED WOMAN SCIENTIST CHAIR

**The Scheme -** In order to utilize the expertise of a Distinguished Women Scientist whose contributions in the country in the area of Science & Technology has made a major impact, the National Academy of Sciences, India instituted a Chair with the financial support of DST, New Delhi.

**Objectives -** The main aim of the scheme is to honor and utilize the expertise of distinguished women scientists, to contribute towards promotion and application of Science and Technology in their field of interest, particularly to benefit women scientists and women in general.

**Eligibility -** The Awardee should be a distinguished Indian Woman Scientist. She should have a sustained record of scientific contributions of very high standard. She should be a Fellow of NASI

**Number -** Total number shall not exceed one at any given time.

**Duration -** The tenure of the distinguished women scientist Chair would be for five years.

**Details of the Award -** The provisions of payment(s) to the awardee are same as NASI Platinum Jubilee Chairs.

There shall be provision for appointment of two Woman Scientists below age of 50 years to pursue research under the guidance of the aforesaid Chair, as per financial details prescribed by the Academy.

Mode of Selection - A Search cum Selection Committee comprising of the President, two Past Presidents and two General Secretaries will be constituted to recommend suitable woman scientist for the aforesaid Chair. The award would be announced after the approval of the NASI-Council. Members of the NASI-Council would be able to suggest names of suitable scientists to the Committee.

The Distinguished Woman Scientist selected for this prestigious Chair would further select the two youngwoman scientists to work under her guidance for this Chair as per norms in her institution for such scholarship/fellowship; or as per provisions made by the NASI Council in consultation with the Distinguished Woman Scientist Chair.

#### Other terms and conditions -

- 1. The award is given for working in/through recognized research/academic institutions in India. 2. All the grants pertaining to the Award will be released through the host institution, which shall be entrusted with the accountability of the grant. The institution shall submit Utilization Certificate/ Statement of Expenditure for the grants released by NASI, every year.
- 3. Progress report on the project work done shall be submitted to NASI at the end of each financial year along with the Statement of Expenditure and Utilization Certificate for release of grant for the next year.
- 4. At the expiry of term of the Award, a comprehensive work report should be submitted, along with two copies of papers published during the tenure of the award.
- 5. The awardee would be entitled to leave as per GOI

norms.

6. At the completion of the term, the awardee shall hand over all permanent assets purchased through the funds received under the scheme to the institution where work was undertaken or any other institution as may be decided by NASI.

- 7. The progress of the work shall be monitored by a committee of experts to be appointed by NASI.
- 8. The awardee would be invited to submit paper/review in NASI journals.
- 9. The above terms and conditions may be revised or amended by the Council as and when found necessary.

## (N) REGULATIONS REGARDING THE NASI-(DONOR) CHAIRS

**The Scheme -** In order to utilize the expertise of scientists who have made outstanding contributions to promotion, development and application of science and technology, represented in the Academy, the National Academy of Sciences, India (NASI) has instituted "NASI-(DONOR) Chairs".

**Objectives -** The main aim of the scheme is to honor and utilize the expertise of distinguished scientists. The recipient of the award would be expected to work to promote the Charter of NASI and its objectives. At the completion of the tenure, the recipient would submit a report of the activity for information of the NASI Council to be followed by a presentation/lecture.

**Eligibility -** The Awardee should be a distinguished Indian Scientist. He/She should be a Fellow of NASI.

**Number -** Total number not to exceed two at any given time and priority should be given to a most distinguished woman scientists.

**Duration -** The tenure of the Chair Award would be for three years, extendable for further two years. Thus, the tenure of the award would be for a maximum of five years.

**Details of the Award -** The Awardee would be entitled to a maximum amount of Rs.50,000/- p.m. In addition, a contingency grant of Rs.1,00,000/- p.a. would be

provided for meeting expenditure of the Awardee on secretarial assistance, telephone, domestic travel, stationery etc. This award would be taxable as per norms. There shall be provision for appointment of a Research Fellow/Associate with an emolument + HRA to assist in research work. This will be supported by resources from NASI.

**Mode of Selection -** A Search cum Selection Committee comprising of the President, two Past Presidents, two General Secretaries and a nominee of the DONOR will be constituted to recommend suitable scientists for the Chair Award. The Committee would normally meet once a year or whenever the need arises. The award would be announced after the approval of the NASI-Council. Members of the NASI-Council would be able to suggest names of suitable scientists to the Committee.

Other terms and conditions - (1) All the grants pertaining to the award will be released directly to the Awardee who shall submit Utilization Certificate/ Statement of Expenditure for the grants released by NASI, every year. (2) The Awardee would be invited to submit paper/review in NASI journals. (3) The above terms and conditions may be revised or amended by the NASI as and when found necessary.

## (O) REGULATIONS REGARDING THE NASI-SENIOR SCIENTIST PLATINUM JUBILEE FELLOWSHIP

The Academy has instituted the NASI Senior Scientist Platinum Jubilee Fellowship to utilize the services of the Fellows of the Academy who are active in high quality research in their specialized disciplines but have superannuated from their service. The Awardee shall be called **"NASI Senior Scientist".** 

**Objectives -** The objective is to utilize the expertise of NASI Fellows after superannuation primarily for research work in some R&D center/university/institute in India.

**Eligibility & Age -** Superannuated Fellows are eligible for consideration.

Number of Fellowships - The number of NASI Senior Scientists Platinum Jubilee Fellowship to be selected each year shall be decided by the Council from the panel recommended by the Committee, to be constituted by the Council. Usually, the number of Senior Scientists to be selected each year will be based on the availability of vacancies and funds available with the Academy. The total number of NASI-Senior Scientist Platinum Jubilee Fellowship will at a time not be more than 40.

**Tenure -** The term of a NASI Senior Scientist position will be tenable initially for a period of three years, extendable for another two years after a review of the achievement of three year's works.

**Emoluments -** The fellowship consists of Honorarium @ Rs.30,000/-per month and contingency grant @ Rs. 1,00,000/- per annum for meeting expenses on stationery, travel (within the country only). This also covers expenditure up to Rs.10,000 on communication needs. The honorarium is taxable, which will be deducted at source by the host institution.

There is a provision for appointment of one JRF/SRF/RA in the Fellowship, which shall also be supported by the resources from the Academy. The emoluments of JRF/SRF/RA will be as per Rules of the DST, New Delhi.

JRF/SRF/RA are not eligible for drawing HRA if hostel accommodation is provided by the host institution. Otherwise, HRA may be given as per DST, New Delhi norms applicable in the city/location where they are working or HRA rules of the host institution, whichever is lower. No other allowance is admissible.

**Nominations -** Nominations for the position shall be invited from the Fellows of the Academy in the first week of May preceding the year of the award.

The nomination papers duly completed in all respects, signed, and routed through the Head of the Institution, where a scientist intends to work, should be sent to the General Secretary, NASI, so as to reach latest by 15th June.

**Mode of Selection -** The nominations received within the valid period shall be examined by a Committee constituted for the purpose. The recommendations of the Committee shall be considered and selection will be made by the Council at its meeting to be held in July.

**Announcement -** The names of NASI Senior Scientists selected shall be announced at the Annual General Body Meeting of the Academy.

**Operation of Scheme -** Funds for this scheme will be routed through the sponsoring institution.

Leave Rules - As per GOI norms.

Activities Report and Renewal of Scheme: Senior Scientist will submit an Annual Report of her/his research work in the prescribed format at the end of each Calendar year alongwith statement of expenditure for renewal and release of grant for the next year.

**Final Technical Report -** Senior Scientist is required to submit a consolidated technical report for the entire duration of the award at the end of tenure in the prescribed proforma.

**Interaction with other Agencies -** Senior Scientist is allowed to take up the sponsored Research and Consultancy within the norms of the host institute.

**Obligations -** Host Institute shall submit the audited statement of accounts and utilization certificate from time to time to NASI. The Scheme will stand terminated from the date the Senior Scientist of NASI accepts any paid position elsewhere.

Acknowledgement of support in all publications as "Senior Scientist, NASI" should be made.

Final adjustment/settlement of accounts should be done within a period of 30 days of termination of Scheme.

All patent rights, designs and inventions derived from the research work of the NASI Senior Scientist shall be governed by the host institutional norms.

At the completion of the tenure of the NASI Senior Scientist, the awardee shall handover all permanent

equipments purchased through the contingency funds to the institution where the work was undertaken.

They will be invited to submit paper/review to NASI journals.

These regulations may be revised or amended by the Council at any time.

## (P) REGULATIONS REGARDING THE NASI HONORARY SCIENTIST SCHEME

The Academy has instituted the NASI Honorary Scientist Scheme to utilize the expertise of active fellows of the Academy (NASI), who have superannuated from their regular service, to have their contribution to the growth of science in general and activities of the Academy in particular.

**Objective:** The objective of the scheme is to enable such fellows of NASI to contribute in research, science education and promotion of science-society programmes.

**Eligibility:** Fellows of NASI who have superannuated from their regular service; the contribution during the whole career to be taken into account with an emphasis on recent academic/scientific activities.

**Number of positions:** The number of Honorary Scientists to be selected each year will be decided by the Council.

**Tenure:** The term of NASI Honorary Scientist will initially be for a period of three years and is extendable up to two years.

Financial Support: Contingency grant of Rs. one lac per annum will be released in one installment directly to the "NASI Honorary Scientist" or through the host institution. The grant can be utilized for meeting expenditure on the secretarial assistance, communication needs, domestic travel, stationery etc. On completion of each year, NASI Honorary Scientist is required to submit a certificate indicating that the money has actually been spent for the purpose for which it was sanctioned.

**Nominations:** NASI Fellows may nominate themselves or other Fellows, who have superannuated

from their regular service. Fellows may write to the President- NASI, along with a brief CV, proposed plan of work and a letter of acceptance from the host institution if he/she intends to work through an institute/university. The names of awardees will be reported in the subsequent council meeting.

**Joining:** The Honorary Scientist can join any time during the year.

Progress Report and Renewal of position: The Honorary Scientist will submit a report of her/his work after completion of each year to the President. The report should be accompanied with utilization certificate and further request of fund for the ensuing year.

#### **Obligations:**

- (i) The position will stand terminated from the date the Honorary Scientist accepts any paid position; however the Honorary Scientist is allowed to take up the sponsored research and consultancy within the norms of the host institution.
- (ii) Support under the NASI Honorary Scientist Scheme should be acknowledged in all publications.
- (iii) Final adjustment/settlement of account should be done within a period of thirty days of relinquishing the position.

## REGULATIONS FOR M.N. SAHA DISTINGUISHED FELLOWSHIP

- (i) The M.N. Saha Distinguished Fellowship will be awarded to an Indian Scientist for most distinguished contribution to Science. The Fellow shall be called as M.N. Saha Distinguished Professor.
- (ii) The Fellow would be paid Rs. 80,000/- p.m. plus allowances as per Govt. of India rules. Pensionary benefits are to be adjusted as per Govt. of India rules.
- (iii) A sum of Rs. 2,00,000/= per annum will be paid as contingent expenses which may be suitably increased by the Council, depending upon the nature of the work proposed to be undertaken by the awardee.
- (iv) The Fellowship will be tenable for a period of five years.
- (v) If necessary, a telephone and assistance of a stenographer may be availed of out of the contingency grant.
- (vi) There shall be provision for appointment of a Research Fellow/Associate with an emolument + HRA as per DST rules to assist in research work. This will be supported by resources from NASI.
- (vii) The Distinguished Fellow may work in any suitable institution which shall provide, as far as possible, necessary working facilities, accommodation etc.

### **PAST PRESIDENTS**

Late Prof. M.N. Saha (Founder President)	1931-1932
Late Prof. K.N. Bahl	1933-1934
Late Prof. N.R. Dhar	1935-1936
Late Prof. B. Sahni	1937-1938
Late Dr. S.M. Sulaiman	1939-1940
Late Prof. Erwin Schrodinger	1941
Late Prof. D.R. Bhattacharya	1941-1942
Late Prof. B. Sahni	1943-1944
Late Prof. K.S. Krishnan	1945-1946
Late Prof. A.C. Banerji	1947-1948
Late Prof. H.R. Mehra	1949-1950
Late Prof. P. Parija	1951-1952
Late Prof. S. Ranjan	1953-1954
Late Prof. P.L. Srivastava	1955-1956
Late Prof. P.S. Gill	1957-1958
Late Dr. M.S. Randhawa	1959-1960
Late Prof. S. Ghosh	1961-1962
Late Prof. P. Maheshwari	1963-1964
Late Dr. B.N. Prasad	1965
Late Prof. K. Banerjee	1966-1967
Late Dr. R.K. Saksena	1968
Late Dr. A.C. Chatterji	1969-1970
Late Dr. M.L. Dhar	1971-1972
Late Dr. S.H. Zaheer	1973-1974
Late Prof. R.N. Tandon	1975-1976
Late Prof. B.D. Nag Chaudhuri	1977-1978
Late Dr. Hari Narain	1979-1980
Late Prof. B. Ramchandra Rao	1981-1982
Late Prof. S.Z. Qasim	1983-1984
Late Dr. T.N. Khoshoo	1985-1986
Late Prof. M.G.K. Menon	1987-1988
Prof. M.S. Swaminathan	1989-1990
Late Dr. A.P. Mitra	1991-1992
Late Prof. U.S. Srivastava	1993-1994
Dr (Mrs) Manju Sharma	1995-1996
Prof. P.N. Tandon	1997-1998
Late Dr. V.P. Sharma	1999-2000
Prof. S.K. Joshi	2001-2002
Prof. Jai Pal Mittal	2003-2004
Late Dr. M.L. Dhar Late Dr. S.H. Zaheer Late Prof. R.N. Tandon Late Prof. B.D. Nag Chaudhuri Late Dr. Hari Narain Late Prof. B. Ramchandra Rao Late Prof. S.Z. Qasim Late Dr. T.N. Khoshoo Late Prof. M.G.K. Menon Prof. M.S. Swaminathan Late Dr. A.P. Mitra Late Prof. U.S. Srivastava Dr (Mrs) Manju Sharma Prof. P.N. Tandon Late Dr. V.P. Sharma Prof. S.K. Joshi	1971-1972 1973-1974 1975-1976 1977-1978 1979-1980 1981-1982 1983-1984 1985-1986 1987-1988 1989-1990 1991-1992 1993-1994 1995-1996 1997-1998 1999-2000 2001-2002

Prof. V.P. Kamboj	2005-2006
Prof. Ashok Misra	2007-2008
Prof. Asis Datta	2009-2010
Late Prof. A.K. Sharma	2011-2012
Dr. K. Kasturirangan	2013-2014
Prof. Akhilesh K. Tyagi	2015-2016
Prof. Anil Kakodkar	2017-2018
Prof. G. Padmanaban	2019-2020
Prof. Ajoy Kumar Ghatak	2021-2022

#### **PAST GENERAL SECRETARIES**

- 1931 Late Prof. P.S. MacMohan Late Prof. A.C. Banerji
- 1932 Late Prof. P.S. MacMohan Late Prof. A.C. Banerji
- 1933 Late Prof. P.S. MacMohan Late Prof. A.C. Banerji
- 1934 Late Prof. P.S. MacMohan Late Prof. A.C. Banerii
- 1935 Late Dr. S.M. Sane Late Dr. P.L. Srivastava
- 1936 Late Dr. S.M. Sane Late Dr. P.L. Srivastava
- 1937 Late Dr. S.M. Sane Late Dr. P.L. Srivastava
- 1938 Late Dr. S.M. Sane Late Dr. P.L. Srivastava
- 1939 Late Dr. Shri Ranjan Late Dr. D.S. Kothari
- 1940 Late Dr. Shri Ranjan Late Dr. D.S. Kothari
- 1941 Late Dr. Shri Ranjan Late Dr. D.S. Kothari
- 1942 Late Dr. Shri Ranjan Late Dr. D.S. Kothari
- 1943 Late Prof. K.S. Krishnan Late Prof. L.P. Mathur
- 1944 Late Prof. K.S. Krishnan Late Prof. L.P. Mathur
- 1945 Late Dr. P.L. Srivastava Late Prof. Birbal Sahni
- 1946 Late Dr. P.L. Srivastava Late Prof. Birbal Sahni
- 1947 Late Dr. P.L. Srivastava Late Prof. Birbal Sahni
- 1948 Late Dr. P.L. Srivastava Late Prof. Birbal Sahni
- 1949 Late Dr. R.K. Saxena Late Prof. Ram Behari
- 1950 Late Dr. R.K. Saxena Late Prof. Ram Behari
- 1951 Late Dr. R.K. Saxena Late Prof. Ram Behari

- 1952 Late Dr. R.K. Saxena Late Prof. Ram Behari
- 1953 Late Dr. R.K. Saxena Late Prof. R.C. Majumdar
- 1954 Late Prof. S. Ghosh Late Prof. R.C. Majumdar
- 1955 Late Prof. S. Ghosh Late Shri S. Basu
- 1956 Late Prof. S. Ghosh Late Shri S. Basu
- 1957 Late Dr. R.N. Tandon Late Shri S. Basu
- 1958 Late Dr. R.N. Tandon Late Shri S. Basu
- 1959 Late Dr. R.N. Tandon Late Dr. K.N. Mathur
- 1960 Late Dr. R.N. Tandon Late Dr. K.N. Mathur
- 1961 Late Dr. R.K. Saxena Late Prof. K. Banerjee
- 1962 Late Dr. R.K. Saxena Late Prof. K. Banerjee
- 1963 Late Dr. R.K. Saxena Late Dr. A.G. Jhingran
- 1964 Late Prof.MDL Srivastava Late Dr. M.L. Dhar
- 1965 Late Prof.MDL Srivastava Late Dr. B.S. Chauhan
- 1966 Late Prof.MDL Srivastava Late Dr. B.S. Chauhan
- 1967 Late Prof.MDL Srivastava Late Prof. A.C. Chatterji
- 1968 Late Prof.MDL Srivastava Late Prof. A.C. Chatterji
- 1969 Late Prof. S.P. Tandon Late Prof. J.J. Chinoy
- 1970 Late Prof. S.P. Tandon Late Dr. V. Puri
- 1971 Late Prof. S.P. Tandon Late Dr. V. Puri
- 1972 Late Prof. S.P. Tandon Late Dr. V. Puri

1973	Late Prof.U.S. Srivastava	1997	Prof. Alok K. Gupta
	Late Prof.R.S. Kushwaha		Dr. V.P. Kamboj
1974	Late Prof.U.S. Srivastava	1998	Prof. Alok K. Gupta
	Late Prof.R.S. Kushwaha		Dr. V.P. Kamboj
1975	Late Prof.U.S. Srivastava	1999	Prof. Alok K. Gupta
	Late Prof.R.S. Kushwaha		(Till 31st Jan. 1999)
1976	Late Prof.U.S. Srivastava		Late Prof. H.C. Khare
	Late Prof.R.S. Kushwaha		(From 1st Feb.1999)
1977	Late Prof. Krishnaji		Dr. V.P. Kamboj
	Late Prof. P.T. Narasimhan	2000	Late Prof. H.C. Khare
1978	Late Prof. Krishnaji		Dr. V.P. Kamboj
	Late Prof. P.T. Narasimhan	2001	Late Prof. H.C. Khare
1979	Late Prof. Krishnaji		Prof. Pramod Tandon
	Late Prof. P.T. Narasimhan	2002	Late Prof. H.C. Khare
1980	Late Prof. Krishnaji	2002	Prof. Pramod Tandon
1300	Late Prof. P.T. Narasimhan	2003	Late Prof. H.C. Khare
1001	Late Prof. H.C. Khare	2003	Prof. Pramod Tandon
1901	Late Sri Maheshwar Dayal	2004	Late Prof. H.C. Khare
1000		2004	
1902	Late Prof. H.C. Khare		(Till 7th Feb.2004)
4000	Late Sri Maheshwar Dayal		Dr. V.P. Kamboj
1983	Late Prof. H.C. Khare		(From 7th Feb.2004)
4004	Late Sri Maheshwar Dayal	0005	Prof. Pramod Tandon
1984	Late Prof. H.C. Khare	2005	Prof. P.K. Seth
4005	Late Dr. K.N. Mehrotra	0000	Prof. Pramod Tandon
1985	Late Prof. U.S. Srivastava	2006	Prof. P.K. Seth
	Late Dr. K.N. Mehrotra		Prof. Akhilesh K. Tyagi
1986	Late Prof. U.S. Srivastava	2007	Prof. P.K. Seth
	Late Dr. K.N. Mehrotra		Prof. Akhilesh K. Tyagi
1987	Late Prof. U.S. Srivastava	2008	Prof. P.K. Seth
	Late Dr. K.N. Mehrotra		Prof. Akhilesh K. Tyagi
1988	Late Prof. U.S. Srivastava	2009	Prof. (Mrs.) Krishna Misra
	Dr. (Mrs) Manju Sharma		Prof. Akhilesh K. Tyagi
1989	Late Prof. H.C. Khare	2010	Prof. (Mrs.) Krishna Misra
	Dr. (Mrs) Manju Sharma		Prof. J.P. Khurana
1990	Late Prof. H.C. Khare	2011	Prof. (Mrs.) Krishna Misra
	Dr. (Mrs) Manju Sharma		Prof. J.P. Khurana
1991	Late Prof. H.C. Khare	2012	Prof. (Mrs.) Krishna Misra
	Dr. (Mrs) Manju Sharma		Prof. J.P. Khurana
1992	Late Prof. H.C. Khare	2013	Prof. (Mrs.) Krishna Misra
	Dr. (Mrs) Manju Sharma		Prof. J.P. Khurana
1993	Dr. Om Prasad	2014	Prof. U.C. Srivastava
	Prof. Sandip K. Basu		Prof. (Mrs.) Veena Tando
1994	Dr. Om Prasad	2015	Prof. U.C. Srivastava
	Prof. Sandip K. Basu		Prof. (Mrs.) Veena Tando
1995	Dr. Om Prasad	2016	Prof. U.C. Srivastava
	Prof. Sandip K. Basu	_0.0	Prof. (Mrs.) Veena Tando
1996	Dr. Om Prasad	2017	Prof. U.C. Srivastava
.000	Prof. Sandip K. Basu		Prof. (Mrs.) Veena Tando

- 1973 Late Prof.U.S. Srivastava Late Prof.R.S. Kushwaha
- 1974 Late Prof.U.S. Srivastava Late Prof.R.S. Kushwaha
- 1975 Late Prof.U.S. Srivastava Late Prof.R.S. Kushwaha
- 1976 Late Prof.U.S. Srivastava Late Prof.R.S. Kushwaha
- 1977 Late Prof. Krishnaji Late Prof. P.T. Narasimhan
- 1978 Late Prof. Krishnaji Late Prof. P.T. Narasimhan
- 1979 Late Prof. Krishnaji Late Prof. P.T. Narasimhan
- 1980 Late Prof. Krishnaji Late Prof. P.T. Narasimhan
- 1981 Late Prof. H.C. Khare Late Sri Maheshwar Dayal
- 1982 Late Prof. H.C. Khare Late Sri Maheshwar Dayal
- 1983 Late Prof. H.C. Khare Late Sri Maheshwar Dayal
- 1984 Late Prof. H.C. Khare Late Dr. K.N. Mehrotra
- 1985 Late Prof. U.S. Srivastava Late Dr. K.N. Mehrotra
- 1986 Late Prof. U.S. Srivastava Late Dr. K.N. Mehrotra
- 1987 Late Prof. U.S. Srivastava Late Dr. K.N. Mehrotra
- 1988 Late Prof. U.S. Srivastava
- Dr. (Mrs) Manju Sharma 1989 Late Prof. H.C. Khare
- Dr. (Mrs) Manju Sharma 1990 Late Prof. H.C. Khare
- Dr. (Mrs) Manju Sharma 1991 Late Prof. H.C. Khare
- Dr. (Mrs) Manju Sharma
- 1992 Late Prof. H.C. Khare Dr. (Mrs) Manju Sharma
- 1993 Dr. Om Prasad Prof. Sandip K. Basu
- 1994 Dr. Om Prasad Prof. Sandip K. Basu
- 1995 Dr. Om Prasad Prof. Sandip K. Basu
- 1996 Dr. Om Prasad Prof. Sandip K. Basu

- 1997 Prof. Alok K. Gupta Dr. V.P. Kamboj
- 1998 Prof. Alok K. Gupta Dr. V.P. Kamboj
- 1999 Prof. Alok K. Gupta (Till 31st Jan. 1999) Late Prof. H.C. Khare (From 1st Feb.1999) Dr. V.P. Kamboj
- 2000 Late Prof. H.C. Khare Dr. V.P. Kamboj
- 2001 Late Prof. H.C. Khare Prof. Pramod Tandon
- 2002 Late Prof. H.C. Khare Prof. Pramod Tandon
- 2003 Late Prof. H.C. Khare Prof. Pramod Tandon
- 2004 Late Prof. H.C. Khare (Till 7th Feb.2004) Dr. V.P. Kamboj (From 7th Feb.2004) Prof. Pramod Tandon
- 2005 Prof. P.K. Seth Prof. Pramod Tandon
- 2006 Prof. P.K. Seth Prof. Akhilesh K. Tyagi
- 2007 Prof. P.K. Seth Prof. Akhilesh K. Tyagi
- 2008 Prof. P.K. Seth Prof. Akhilesh K. Tyagi
- 2009 Prof. (Mrs.) Krishna Misra Prof. Akhilesh K. Tyagi
- 2010 Prof. (Mrs.) Krishna Misra Prof. J.P. Khurana
- 2011 Prof. (Mrs.) Krishna Misra Prof. J.P. Khurana
- 2012 Prof. (Mrs.) Krishna Misra Prof. J.P. Khurana
- 2013 Prof. (Mrs.) Krishna Misra Prof. J.P. Khurana
- 2014 Prof. U.C. Srivastava Prof. (Mrs.) Veena Tandon
- 2015 Prof. Ù.C. Śrivastava Prof. (Mrs.) Veena Tandon
- 2016 Prof. U.C. Srivastava Prof. (Mrs.) Veena Tandon
- 2017 Prof. U.C. Srivastava Prof. (Mrs.) Veena Tandon

2018	Prof. Satya Deo
	Prof. Paramjit Khurana
2019	Prof. Saya Deo
	Prof. Paramjit Khurana
2020	Prof. Satya Deo
	Prof. Paramjit Khurana
2021	Prof. Satya Deo
	Prof. Paramjit Khurana
2022	Prof. Madhoolika Agrawal
	Prof. J.R. Bellare
2023	Prof. Madhoolika Agrawal
	Prof. J.R. Bellare

## OTHER OFFICERS OF THE ACADEMY

(From January 1, 1981)

#### **Vice-Presidents**

#### **Tenure of Office**

Late Prof. Krishnaji	1	Jan.	1981 -	31	Dec.	1982
Late Prof. M.K. Singal	1	Jan.	1981 -			1982
Late Prof. U.S. Srivastava	1	Jan.	1983 -			1984
Late Prof. P.T. Narasimhan	1	Jan.	1983 -		Dec.	
Late Prof. P.N. Srivastava	1	Jan.	1985 -		Dec.	
Late Prof. H.C. Khare	<u>i</u>	Jan.	1985 -			1986
Late Dr. Maheshwar Dayal	1	Jan.	1987 -			1988
Late Prof. D.B. Chandra	1	Jan.	1987 -	_	Dec.	
Late Prof. U.S. Srivastava	1	Jan.	1989 -			1990
Prof. P.N. Tandon	1	Jan.	1989 -			1990
Late Prof. P.M. Bhargava	1	Jan.	1991 -			1993
Late Prof. D.B. Chandra	1	Jan.	1991 -	_	Feb.	
Late Prof. R.C. Mehrotra	11	Feb.	1993 -	_		1994
Dr.(Mrs) Manju Sharma	11	Feb.	1993 -			1994
Prof. Alok K. Gupta	1	Jan.	1995 -			1996
Dr. V.P. Kamboj	1	Jan.	1995 -	_	Dec.	
Prof. H.S. Mani	1	Jan.	1997 -			1998
Prof. Sandip K. Basu	1	Jan.	1997 -			1998
Prof. C.L. Khetrapal	i	Jan.	1999 -			2000
Prof. Asis Datta	1	Jan.	1999 -			2000
Late Prof. B.N. Dhawan	i	Jan.	2001 -			2002
Dr. Amit Ghosh	1	Jan.	2001 -			2002
Dr. P.K. Seth	1	Jan.	2003 -			2004
Prof. M. Vijayan	1	Jan.	2003 -			2004
Late Prof. Suresh Chandra	1	Jan.	2005 -	_		2006
Prof. Ashok Misra	1	Jan.	2005 -			2006
Prof. S.P.S. Khanuja	1	Jan.	2007 -			2008
Dr. Anil Kumar	1	Jan.	2007 -			2008
Prof. Amitava Raychaudhuri	1	Jan.	2009 -			2010
Dr. Avadhesha Surolia	1	Jan.	2009 -	31	Dec.	2010
Prof. P.K. Seth	1	Jan.	2011 -			2012
Prof. Nikhil Tandon	1	Jan.	2011 -			2012
Prof. Sneh Bhargava	1	Jan.	2013 -	31	Dec.	2014
Prof. Sushanta Ďattagupta	1	Jan.	2013 -	31	Dec.	2014
Prof. S.K. Sopory	1	Jan.	2015 -	31	Dec.	2016
Prof. Jayanta K. Bhattacharjee	1	Jan.	2015 -	31	Dec.	2016
Prof. Rohini M. Godbole	1	Jan.	2017 -	31	Dec.	2018
Prof. Pramod Tandon	1	Jan.	2017 -	31	Dec.	2018
Prof. Jaya S. Tyagi	1	Jan.	2019 -	27	Feb.	2021
Prof. L.C. Rai	1	Jan.	2019 -		Feb.	
Prof. Anurag Sharma	1	Mar.	2021 -	31	Dec.	2022
Prof. Saroj Kanta Barik	1	Mar.	2021 -	31	Dec.	2022
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#### **Treasurers**

Prof. H.L. Nigam	1	Jan.	1981	-	31	Dec. 1983
Late Prof. Krishnaji	1	Jan.	1984	-	31	May. 1987
Late Prof. M.P. Tandon	1	June	1987	-	31	Jan. 1992
Late Prof. Chandrika Prasad	1	Feb.	1992	-	31	Dec. 1995
Late Prof. H.C. Khare	1	Jan.	1996	-	31	Dec. 1999
Late Prof. M.P. Tandon	1	Jan.	2000	-	15	June 2003
Prof. S.L. Srivastava	18	June	2003	-	31	Dec. 2007
Prof. CBL Srivastava	2	July	2006	-		Sept. 2006
Prof. U.C. Srivastava	1	Jan.	2008	-	31	Dec. 2011
Prof. Satya Deo	1	Jan.	2012	-	31	Dec. 2015
Prof. B. Ramakrishnan	1	Jan.	2016	-	31	Dec. 2019
Prof. U.C. Srivastava	1	Jan.	2020	-	31	Dec. 2023

#### **Foreign Secretaries**

```
Late Prof. N.R. Dhar
                                 Jan. 1981 - 31 Dec. 1982
Late Prof. Krishnaji
                                               31 Dec. 1983
                                 Jan.
                                       1983 -
Late Prof. D.B. Chandra
                                 Jan. 1984 -
                                               31 Dec. 1986
Late Prof. H.C. Khare
                                 Jan. 1987 -
                                               31 Dec. 1988
Dr. C.B.L. Srivastava
                                 Jan. 1989 -
                                               31 Dec. 1990
Dr.(Miss) Dipika Kaul
                                 Jan.
                                       1991 - 10 Feb. 1993
                              1
                                               31 Dec. 1994
Prof. Alok K. Gupta
                                 Feb.
                                       1993 -
                              11
Prof. C.B.L. Srivastava
                                 Jan. 1995 -
                              1
                                               31 Dec. 1996
Dr. Om Prasad
                                 Jan. 1997 -
                                               26 July 1997
                              1
Late Dr. V.P. Sharma
                                       1997 -
                                               31 Dec. 1998
                              27
                                 July
Prof. Jai Pal Mittal
                                 Jan. 1999 -
                                               31 Dec. 2000
Prof. Kasturi Datta
                                 Jan. 2001 -
                                               31 Dec. 2002
Dr. S.E. Hasnain
                                 Jan. 2003 -
                                               31 Dec. 2004
Prof. Vijayalakshmi Ravindranath 1
                                 Jan. 2005 -
                                               31 Dec. 2006
Prof. (Mrs.) Veena Tandon
                                 Jan. 2007 -
                                               31 Dec. 2008
Prof. Pramod Tandon
                                 Jan. 2009 -
                                               31 Dec. 2010
Prof. Balram Bhargava
                                 Jan. 2011 -
                                               31 Dec. 2012
                              1
Prof. Paramjit Khurana
                                 Jan. 2013 -
                                               31 Dec. 2014
                              1
Prof. N.R. Jagannathan
                              1
                                 Jan. 2015 -
                                               31 Dec. 2016
Prof. Pramod K.Garg
                              1
                                 Jan. 2017 - 31 Dec. 2018
Prof. P.N. Rangarajan
                                 Jan. 2019 - 27 Feb. 2021
                              1
Prof. Amit Prakash Sharma
                                 Mar. 2021 - 31 Dec. 2022
```

## FOUNDER FELLOWS

- **1. Prof. Meghnad Saha,** D.Sc.(Cal.), FRS, F.A.S.B., F.Inst.P., P.R. Scholar, Professor of Physics, Allahabad University, Allahabad.
- **2. Prof. N.R. Dhar,** D.Sc.(London), Docter es Sciences (Paris), F.I.C., I.E.S., Professor of Chemistry, Allahabad University, Allahabad.
- **3. Prof. B. Sahni,** D.Sc.(Lond.), Sc.D.(Cantab.), F.R.S., F.A.S.B., Professor of Botany, Lucknow University, Lucknow.
- **4. Prof. A.C. Banerji**, M.Sc.(Cal.), M.A.(Cantab.), F.R.A.S.(Eng.), I.E.S., Professor of Mathematics, Allahabad University, Allahabad.
- Dr. Luxmi Narayan, D.Sc.(Alld.), Reader in Mathematics, Lucknow University. Lucknow.
- Prof. Andre Weil, D.Sc.(Paris), Professor of Mathematics, Muslim University, Aligarh. (Present Address - Professor of Mathematics, Institute of Advance Study, Princeton, N.J., U.S.A.)
- **7. Prof. Ch. Wali Mohammad,** M.A.(Cantab.), Ph.D.(Gottingen), I.E.S., Professor of Physics, Lucknow University, Lucknow.
- **8. Mr. G.Chatterjee,** M.Sc., Meteorologist, Upper Air Observatory, Agra.
- **9. Prof. P.S. MacMahon**, B.Sc.(Hons. Oxon.), M.Sc. (Manchester), Professor of Chemistry, Lucknow University, Lucknow.
- Prof. D.R. Bhattacharya, MSc(Alld.), PhD(Dublin), Docteur es Science (Paris), Professor of Zoology, Allahabad University, Allahabad.
- **11. Prof. K.N. Bahl**, D.Phil.(Oxon.), D.Sc.(Punjab), Professor of Zoology, Lucknow University, Lucknow.
- **12. Prof. J.H. Mitter**, M.Sc., Ph.D.(Lond.), Professor of Botany, Allahabad University, Allahabad.
- **13. Prof. K.C. Mehta,** Ph.D.(Cantab.), M.Sc.(Punjab), Professor of Botany, Agra College, Agra.
- **14. Prof. K.K. Mathur,** B.Sc.(Hons.,Lond.), A.R.S.M., Professor of Geology, Banaras Hindu University, Varanasi.
- **15. Mr. G. Clarke,** F.I.C., F.C.S., C.I.E., Director of Agriculture, United Provinces, Lucknow.
- **16. Mr. P.B. Richards,** A.R.C.S., F.E.S., Entomologist to the Government, United Provinces, Cawnpore.
- **17. Mr. R.L. Sethi**, B.Sc.(Agri.,Edin.),M.Sc.,MRAS(Lond.), Economic Botanist to the Government, United Provinces, Cawnpore.
- **18. Prof. H.D.H. Drane,** M.Sc., Ph.D., A.M.I.E.E., A.M.I., Chem.E., Principal, Harcourt Butler Technological Institute, Cawnpore.
- **19. Prof. C.A. King,** B.Sc.(Hons., Eng., Lond.), ARCSc, MIME, Principal, Engineering College, BHU, Varanasi.

## **HONORARY FELLOWS**

Year of Name, Designation and Address Election

- 2010 AMBANI, Mukesh (b. 1957), Chairman & Managing Director, Reliance Industries Limited, Maker Chambers - IV, 222, Nariman Point, Mumbai - 400021; Tel. (022) 22785000(O); Email: mukesh.ambani@ril.com
- 2013 **BAMJI, Mahtab S.** (b. 1934) Ph.D., FNAAS, FAMS, FNA, INSA Emeritus Scientist, Dangoria Charitable Trust, Hyderabad 500020; Director Grade Scientist, Retd., NIN, Hyderabad; Res. 211, Sri Dattasai Apartments, RTC Cross Rds, Hyderabad 500020; Tel. (040) 27615148(R), 09246886442, 09505838921 (M); Email: msbamji@gmail.com; mahtabbamji@yahoo.com; Sp. **Biochemistry/Nutrition.**
- 1980 **HARRISON, J.D.L.** Energy Adviser, Overseas Development Administration, London;
- JOSHI, Murli Manohar (b. 1934) M.Sc., D.Phil., Member of Parliament (Lok Sabha) and formerly Cabinet Minister for Home Affairs, HRD; S&T and DOD, Union Govt. of India, New Delhi; Formerly Professor & Head, Department of Physics, University of Allahabad; Res. 'Angiras' 9/10-A, Tagore Nagar, Anukul Chandra Banerjee Road, Prayagraj 211002; and 6, Raisina Road, New Delhi 110001; Tel. (0532) 2465008, 2466860 (Alld.)(R); (011) 23718444, 23711144 (N.Delhi)(R); Fax: 23711772 (N.Delhi); Email: murli@sansad.nic.in; Sp. Spectroscopy.
- 1980 KRANZ, Jurgen (b. 1925) Ph.D., Formerly Professor, Dept. of Phytopathology & Appl. Entomology, Justus-Liebig-Universitat; Res. 35394 Giessen, F.R. Germany, Rehschneise 75; Tel. (0641) 492836; Fax: 43875(R); Sp. Epidemiology of Plant Diseases/ Tropical Plant Diseases.
- 2023 NARAYANA MURTHY, N.R. (b. 1946) M.Tech.,D.Sc.(hc), FNAE, FCSI, FAIMA, International Member, NAE(USA), Formerly Chairman Emeritus, Infosys Ltd., Bangalore; Res. 575, 21st Main, Jayanagar 4T Block, Bangalore 560041; Tel. (080) 26649440, 26649443(O), 26633718, 26638709(R); Email: nmurthy@catamaran.vc, Sp. Computer Software/Performance Engineering.

Abbreviations used: b-Born; Res-Residence; Tel-Telephone; (O)-Office; (R)-Residence; Sp-Specialization.

- PRAMER, David (b. 1923) Ph.D.(Rutgers), Professor of Microbiology & Associate Vice President, Rutgers University, Office of Corporate Liaison, 377 Hoes Lane, Piscataway, New Jersey, USA 08855; Res. 208 Hampshire Court, Piscataway, New Jersey, USA 08854; Tel. 908-445-2863(O), 908-463-3866(R); Sp. Microbial Ecology/Research Administration.
- 1977 RAMACHANDRAN, Arcot (b. 1923) PhD(Purdue), Dring(hc), DSc(hc), FNA, FASc, FNAE, Former Under Secretary General, UN Ctr for Human Settlements (Habitat), Secretary, Department of Science & Technology, DG, CSIR; Chairman, TERI,New Delhi; Res. 3 Crescent Road, High Grounds, Bangalore- 560 001; Tel. (080) 22255780(R); Email: arcotsusila@gmail.com; Sp. Thermal Engineering & Heat Transfer
- Sp. Thermal Engineering & Heat Transfer.

  SHARMA, Man Mohan (b. 1937) PhD, DSc(hc), LLD, FNA, FASc, FRS, FTWAS, AcSIR Academy Professor, JNCASR; Emeritus Professor of Eminence and formerly Professor of Chemical Engineering & Director, Institute of Chemical Technology, Matunga, Mumbai-400019; Res. 2/3, Jaswant Baug (Runwal Park), Behind Akbarally, Chembur, Mumbai 400071; Tel. 09833052278(M); Email: profmm sharma@gmail.com; Sp. Mass Transfer with Chemical Reaction/Separation Technology/ Catalysis with Ion Exchange Resins.
- Award: Prof. N. R. Dhar Memorial Lecture Award NASI (1999).

  SHAW, Kiran Mazumdar (b. 1953) Chairperson & Managing Director, Biocon Limited, 20th KM, Hosur Road, Electronic City, Bengaluru 560100; Tel. (080) 28082808(O); Fax: 28523423; Email: kiran.mazumdar@biocon.com;
- 2010 TATA, Ratan N., Chairman & Managing Director, Tata Sons, Bombay House, 24, Homi Mody Street, Mumbai 400001; Tel. (022) 66658282(O)
- VARADARAJAN, Srinivasan (b. 1928) Ph.D.(Delhi, Cantab), D.Sc.(h.c.), D.Litt.(h.c.), FNA, FASc, FNAE, FTWAS, INSA Platinum Jubilee Professor; Secretary, Govt. of India, DST, Chief Consultant, Planning Commission of India and D.G. (CSIR); Res. 4A Giridhar Apartments, 28, Firoz Shah Road, New Delhi-110001;Tel. (011) 23221932-50, 23230828(0), 23712512, 23713137(R); Fax: 23231095; Email: varadr@gmail.com; esoffice@insa.nic.in; Sp. Organic and Biological Chemistry and Technology.
- Chemistry and Technology.

  1998 WATSON, James D., (b. 1928) Ph.D., N.L., Chancellor Emeritus, Cold Spring Harbor Laboratory, One Bungtown Road, Cold Spring Harbor, New York 11724, USA; Tel. (516) 367-8311; Fax: 367-8480; Website: cshl.org; Sp. Molecular Genetics.

  WILCOXSON, Roy D. (b. 1926) Ph.D., Dept. of Plant Pathology, University of Minnesota, 495, Borlaug Hall, 1991, Upper Buford Circles 14, Double Minnesota, 55109; Borlaugh Hall, 1991, Upper Buford
- WILCOXSON, Roy D. (b. 1926) Ph.D., Dept. of Plant Pathology, University of Minnesota, 495, Borlaug Hall,1991, Upper Buford Circle, St. Paul, Minnesota-55108; Res. 1491 Raymond Ave., St. Paul, Minnesota-55108; Tel. 612-625-3764,647-0653; Sp.Diseases of Cereals.
- WUTHRICH, Kurt (b. 1938) PhD, DSc(hc), DChem (hc), FNA; Foreign Associate, US Nat.Acad.Sci.USA; Foreign Member, The Royal Soc., UK; NL; Professor of Biophysics, Institute of Molecular Biology and Biophysics, ETH Zurich, Otto-Stern-Weg 5, CH-8093 Zurich, Switzerland, Tel. +41-44-633-2473, Email: wuthrich@mol.biol.ethz.ch; Cecil H. and Ida M. Green Professor of Structural Biology, Scripps Research, 10550 N. Torrey Pines Rd., La Jolla, CA 92037, USA, Tel. +1-858-784-8011, Email: wuthrich@scripps.edu; Sp. Structural Biology/Structural Genomics/Biochemistry.

## **FOREIGN FELLOWS**

Year of Election	Name, Designation and Address
1997	ADHYA, Sankar L. (b. 1937) Ph.D., D.Sc., FNA, NAS (USA), Am Acad Microbiology, Chief, Developmental Genetics Section, Lab of Molecular Biology, DBS, National Cancer Instt., National Instt. of Health, Bethesda, MD 20892-4255, USA; Adjunct Professor, George Washington University, Washington, DC; Tel. (301)496-2495; Fax:480-7387; Email:sadhya@helix.nih.gov; Sp.Genetics/Biochemistry/Prokaryotes(Bacteriophages).
2011	AJAYAN, Pulickel M., Ph.D., FAAAS, Benjamin M. and Mary Greenwood Anderson Professor of Engineering, Mechanical Engineering & Materials Science Department, Rice University, 6100 Main Street, Houston, Texas 77005, USA; Res. 203 Pacific Street, Houston, Texas 77006, USA; Tel. 713 348 5904(O), 518 248 0344(R); Email: ajayan@rice.edu; Sp. Engineering Sciences.
1999	ALBERTS, Bruce Michael (b. 1938) Ph.D., FNA, Chancellor's Leadership Chair in Biochemistry & Biophysics for Science & Education at the University of California, San Francisco; Former United States Science Envoy; Former Editor-in-Chief, Science Magazine, Former President, U.S. National Academy of Sciences; UCSF MC 2200; Genentech Hall N312, 600-16th Street, San Francisco, CA, USA 94158-2517(office); Tel. (001-415) 476-0806; Email: balberts@ucsf.edu;Sp. Biochemistry.
2017	ANDERSON, Diana (b. 1940) PhD, FRSM, FRCPath, FIFST, FRSB, FRSC, Established Chair Professor of Biomedical Sciences, University of Bradford, Richmond Road, Bradford, BD7 1DP, UK; Res. 8 Meadowcroft Rise, Bierley, Bradford, BD4 6EP, West Yorkshire, UK; Tel. +44(0)1274 233569(O), 689802(R), +44(0) 7747112425(M); Fax: 235600; Email: d.anderson1@bradford.ac.uk; Sp. Genetic Toxicology/Reproductive
1984	Toxicology/Cancer Biology.  ARNTZEN, Charles Joel (b. 1941) PhD, Professor Emeritus and Founding Director, Biodesign Institute, Arizona State University; 20847 W. Canyon Drive, Buckeye AZ 85396, USA; Tel. +1 480-225-9412; Email: charles.arntzen@asu.edu; Sp. Photosynthesis/Plant Molecular Biology.

ARVIND (b. 1947) MS, Ph.D., FIEEE, FACM, Member NAE(USA), Member AAAS(USA), Johnson Professor of Computer Science & Engineering, Massachusetts Institute of Technology, 32-866 Stata Center, 32 Vassar Street, Cambridge, MA 02139, USA; Res. 34 Lombard Road, Arlington, MA 02476, USA; Tel. +1 617 253 6090(O), +1 781 646 1142(R), +1 617 901 0641(M); Email: arvind@mit.edu; Sp. Computer Architectures/Programming Languages and Compilers/Hardware Design and Tools.

ASHTEKAR, Abhay Vasant (b.1949) PhD(Chicago), Member, NAS(USA), Honorary Fellow, Indian Academy of Science; Director, Institute for Gravitation & The Cosmos, Eberly Chair holder and Evan Pugh Professor of Physics, 104, Davey, Penn State, University Park, PA 16802-6300, USA; Res. 1309, Inverary Place, State College, PA 16801, USA; Tel. (814) 863-9601, 863-9605(O), Fax : (814) 863-9608; Email : ashtekar.gravity@gmail.com; Sp. General Relativity/Quantum Theory/Geometry.

ATTFIELD, John Paul (b. 1962) DPhil, FRS, FRSE, FRSC, FNA, Chair of Materials Science at Extreme Conditions, School of Chemistry & Centre for Science at Extreme Conditions, University of Edinburgh, Edinburgh EH9 3FD, UK; Res. 9 Boswall Loan, Edinburgh EH5 1AS, UK; Tel. +44 1316517229(O), +44 7824395016(M); Fax: +44 1316517049; Email: j.p.attfield@ed.ac.uk; Sp. Materials Chemistry/Solid State Chemistry/High Pressure Science.

2019 BADYAL, Jas Pal Singh (b. 1964) PhD,FRS(UK), Professor, Chemistry Department, Durham University, Durham DH1 3LE, England, UK; Res. Redgate House, Wolsingham, County Durham DL13 3HH, England, UK; Tel. +44-191-334-2001(O); Email: j.p.badyal@durham.ac.uk; Sp. Surface Science.

2019 BANERJEE, Utpal (b. 1957) PhD, HHMI Professor, 5028 Terasaki Life Sciences Building, UCLA, Los Angeles, CA 90095; Res. 12968 Greenleaf St.Studio City CA 91604, USA; Tel. +1-310-206-5439(O), +1-818-235-9737(M); Email: banerjee@mbi.ucla. edu; Sp. Signal Transduction/Metabolism/Developmental Biology.

2018 BHADESHIA, Harshad Dharamshi (b. 1953), PhD, FRS, FREng, FNAE, FIMMM, Tata Steel Professor of Metallurgy, University of Cambridge, Materials Science & Metallurgy 27 Charles Babbage Road, Cambridge, CB3 0FS, UK; Res. 57 Barrons Way, Comberton, CB23 7EQ, UK; Tel. +44 1223 334300(O), 263775(R); Email: hkdb@cam.ac.uk; Sp. Metallurgy/Materials Science/Steels.

1998 BAHADUR, Birendra (b. 1949) Ph.D., Formerly Principal Engineer, Rockwell Collins Inc., USA; Res. 6809 Spring Grove CT NE, Cedar Rapids, IA 52411, USA; Tel. 319-294-8891(R), 319-651-1699(M); Fax: 319-294-8891; Email: bbahadur.acad@hotmail.com, bbahadur@msn.com; Sp. Liquid Crystal Displays (LCDs)/OLEDs/Displays - All Others/Liquid Crystals/optics and Electrooptics.

1985 **BALKANSKI, Minko** (b. 1927) Ph.D.,Dr.es.Sc., Professor of Physics Emeritus, Res. 2 Avenue de Camoens 75116, Paris, France; Tel. ++33145204845, ++33687842831; Email: balkanski.minko@gmail.com; Sp. **Solid State Physics.** 

2011 **BAULCOMBE, David C,** Ph.D.,FRS,FMedSci., NAS(USA), Royal Society Edward Penley Abraham Research Professor, Department of Plant Sciences, University of Cambridge, Downing Street, Cambridge, CB2 3EA, UK; Res. 63, Caernarvon Road, Norwich NR2 3HY, UK; Tel. (+44) 1223 339 386(O); Fax: 122 3333 953; Email: dcb40@cam.ac.uk; Sp. **Genetics/Plant Pathology.** 

2008 **BEACHY, Roger N.** (b. 1944) PhD, US NAS, FNA, Professor Emeritus, Department of Biology, Washington University, One Brookings Ave. St. Louis, MO 63105, USA; Tel. (+1) 314-323-6030; Email: rbeachy@wustl.edu; Sp. **Plant Sciences/** 

Molecular Biology/Virology/Biotechnology.

1991 BECKER, Edwin, D. (b.1930), Ph.D.(Calif.), Scientist Emeritus, National Institutes of Health, Bethesda, Maryland-20892-0520, USA; Tel. 1-301-496-1024(O), 1-703-757-0519(R); Email: tbecker@nih.gov; Sp. Spectroscopy/Nuclear Magnetic Resonance.

2009 BHARGAVA, Manjul Ph.D.(Princeton), FNA, Professor, Dept. of Mathematics, Princeton University, Princeton, NJ 08544, USA; Tel. (+1) (609) 2584192(O), Fax: 2581367; Email: bhargava@

math.princeton.edu; Sp. Number Theory.

BHARGAVA, Suresh Kumar (b. 1953) PhD, DSc, FRACI, FTSE, FRSC, FNAE, FAPAS, FAAAS, FTWAS, Distinguished Professor & Dean, Research & Innovation, Research partnerships (India), Director for CAMIC, STEM College, RMIT University, GPO Box 2476, Melbourne, Victoria 3001, Australia; Res. 16, Jedem Close, View Bank, Victoria 3084, Australia; Tel. +61 3 99253365, 99252330(O), 94358020(R), 417142761(M); Fax: 99253747; Email: suresh.bhargava@rmit.edu.au; Sp. Industrial Chemistry/Catalysis/Anti Cancerous Gold Drug Development/Nanotechnology/ Gaseous Sensors.

2008 BLAKEMOŘE, Sir Colin (Brian) (b.1944) BA, MA, ScD, DSc, FMedSci, HonFRCP, FRS, Yeung Kin Man Chair Professor of Neuroscience & Senior Fellow, Hong Kong Institute for Advanced Study, AE-001, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong; Tel. +85234422747(O), +85267319107(M); Fax: +85234420825; Email: colin.blake more@cityu.edu.hk; colin.blakemore@sas.ac.uk; colin.blake more@dpag.ox.ac.uk; Sp. Neuroscience/ Developmental

Biology/Physiology.

2017 BRENNER, Dean E. (b. 1949) MD, Professor of Internal Medicine & Professor of Pharmacology, 2150 Cancer Center, University of Michigan Medical Center, Ann Arbor, Michigan 48109-5930, USA; Res. 2004 Morton Ave, Ann Arbor, Michigan 48104, USA; Email: dbrenner@umich.edu; Sp. Medical Oncology/Clinical Pharmacology.

1990 BRUNTDLAND, (Mrs.) Gro Harlem Stortinget, Oslo - 1,Norway; Sp. Environment.

BURMA, Sandeep (b. 1967) PhD, Professor & Vice Chair (Res.),
Department of Neurosurgery, University of Texas Health
Science Center at San Antonio, 7703 Floyd Curl Drive,
MC7843, Room 102F, San Antonio, TX 78229; Res. 106
Primera Drive, San Antonio, TX 78212; Tel. +1-210-4508604(O), +1-210-908-9024(R); Email : burma@uthscsa.edu;
sandeepburma3@gmail.com; Sp. DNA Repair/Radiation
Oncology/Cancer Biology.

Oncology/Cancer Biology.

CAZENAVE, Anny (b. 1944) Ph.D., Senior Scientist at LEGOS-CNES, 18 AV. Edouard Belin, 31401 Toulouse, France; Res. 4 Chemin du Chatcau d'Eau, 31320 Castanet, France; Tel. 33-5-61 332922(O), 818901(R); Fax: 253205; Email: anny.cazenave@legos.obs-mip.fr; anny.cazenave@cnes.fr; Sp. Earth Sciences: Oceanography, Geosciences.

1990 CHAKRABARTY, Ananda Mohan (b. 1938) Ph.D., D.Sc. (h.c.), Distinguished University Professor, Department of Microbiology & Immunology, University of Illinois College of Medicine, 835 South Wolcott Avenue, Chicago, IL60612, U.S.A.; Res. 206, Julia Drive, Villa Park, IL 60181, U.S.A.; Tel. (312)-996-4586(O), (630)-834-4388(R); Fax: 996-6415; Email: ananda. chakrabarty@uic.edu; pseudomo@uic.edu; Sp.Molecular Biology/Microbiology.

1998 CHEETHAM, Sir Anthony Kevin (b. 1946) D.Phil. (Oxon.), FRS, Research Professor, Materials Research Laboratory, University of California, Santa Barbara, CA 93106, USA; Tel. (+1) 805-893-7233(O); Fax: 805-893-8797; Email: akc30@cam.ac.uk;

Sp. Chemistry of Materials.

2023 CHORGHADE, Mukund Shankar (b. 1953) PhD, FAAAS, FACS, FAIC, FICS, FISCB, FNASi, FRACI, FRSC, C.Chem., Adjunct Research Professor at Harvard, MIT, University of Illinois and Rutgers in USA, Cambridge, Leeds in UK; Res. 7 Jones Court, Hillsborough, NJ 08844-4597; Tel. 508-308-3891(M), 908-262-2428(R), Email : mukundchorghade@fas.harvard.edu; chorghad@mit.edu; Sp. Organic Chemistry/Molecular Medicine/Science & Technology Based Entrepreneurship.

CHOWDARI, B.V.R. (b. 1943) PhD, DLitt, DSc, Senior Executive Director & President Emeritus, Materials Research Society of Singapore, School of Materials Science & Engineering, 50 Nanyang Ave., Nanyang Tech. University, Blk.N4.1 #01-02a,Singapore Res. 3 Jubilee Road, Singapore - 128527; Tel. +65 67906795(O), 67767080(R), 93396979(M); Email: chowdari@mrs.org.sg; chowdari@ntu.edu.sg; Sp. Materials Science & Engineering/Energy Storage/Functional Materials & Applications.

2001 CIARLET, Philippe G. (b. 1938) Ph.D., D.Sc., Emeritus Professor, Department of Mathematics, City University of Hong Kong, 83, Tat Chee Avenue, Kowloon, Hong Kong; Res. 38 rue Louis Blanc, 45500 GIEN, France; Tel. +33 0767438633(O); Email: mapgc@cityu.edu.hk; Sp. Numerical Analysis/Mathematical Elasticity/Plates and Shells/Applied Differential Geometry.

2007 CLARK, Robin J. H., (b. 1935) CNZM., Ph.D., (London), D.Sc.(London), FRS, FRSA, FRSC, FUCL, Hon. FRI, Hon. FRSNZ, Sir William Ramsay Professor, Department of Chemistry, University College London, 20 Gordon Street, London WC1H 0AJ UK; Res. 3A Loom Lane, Radlett, Herts, UK; Tel. 44(0)20-7679-7457(O); Fax: 44(0)20-7679-7463; Email: r.j.h.clark@ucl.ac.uk; Sp. Transition Metal Chemistry/Infrared and Raman Spectroscopy.

1998 COHEN-TANNOUDJI, Claude Nessim (b.1933) Ph.D., FASc, FNA, Professeur au College de France, Laboratoire Kastler Brossel, 24 rue Lhomond 75231 Paris, Cedex 05, France; Res. 38 rue des Cordelieres, 75013, Paris, France; Tel. 0033(O) 147077783(O); Fax: 144323494; Email : claude.cohentannoudji@lkb.ens.fr; Website : http://www.phys.ensfr/%7 eclaude%20cohen-tannoudji/cct.htm; Sp. Atomic, Molecular and Optical Physics.

1996 COX, David (b. 1924) Ph.D., D.Sc.(h.c.), FRS, Honorary Fellow, Nuffield College, Oxford; Res. Nuffield College, Oxford OX1 1NE, U.K.; Tel. 44-1865-278-690; Fax: 278-621; Email: david.cox@nuffield.ox.ac.uk; Website: www.stats.ox.ac.uk/people/cox/index.htm; Sp. Statistics.

2014 DAVISON, John (b. 1941) PhD(Edinburgh, UK), Professor, INRA, route de saint Cyr, 78026 Versailles cedex, France; Email : davison@versailles.inra.fr; Sp. Genetic Engineering.

DEEN, Mohamed Jamal (b. 1955) PhD, FRSC, A-CAS, FCAE, FTWAS, FNASI, FINAE, FCSSE, FIEEE, FAPS, FECS, FAAAS,FEIC, Distinguished University Professor, Electrical & Computer Engineering and School of Biomedical Engineering, McMaster University, 1280 Main Street West, Hamilton, ON L8S 4K1, Canada; Res. 6, Pimlico Drive, Dundas, ON L9H 6J5, Canada; Tel. +1 905 525 9140 Ext. 27137(O), 627 5403(R); Email : jamal@mcmaster.ca; Sp. Nanoelectronics/Optoelectronics/Nanotechnology/Data Analytics.

2000 **DESHPANDE, Gururaj** (b. 1950) ME(New Brunswick), PhD (Queens), Sycamore Networks,10 Elizabeth Drive, Chelmsford, MA 01824, USA;

DIMITROV, Stefan (b. 1951) PhD, Foreign Member of the Academy of Sciences of Bulgaria, Emeritus Director of Research, National Center for Scientific Research, Institute for Advances Biosciences, Site Sante – Allee des Alpes, 38700 La Tronche, France; Res. 33, Av. De La Plaine Fleurie, 38240 Meylan France; Tel. (00-33-4) 76902227(R), (00-33-6) 70783789(M); Email: stefan.dimitrov@univ-grenoble-alpes.fr; Sp. Epigenetics /Biochemistry/Biophysics.

DIXNEUF, Pierre H. (b. 1940) PhD, Research & Emeritus Professor, University of Rennes, CNRS-UR1 Institute of Chemistry, Department of Catalysis, Batiment 10C, Campus de Beaulieu, Av General Leclerc, 35042, Rennes-Cedex, France; Res. 4 rue d'Isly, 35000 Rennes, France; Tel. +33223236280(O), +33299300715(R), +33607176660(M), Email: pierre.dixneuf@univ-rennes1.fr; Sp. Chemical Sciences: Catalysis/Organometallics/Organic.

1999 DURST. Franz Josef (b. 1940) PhD. DSc. Dr.h.c.mult. (Lissabon. Lucknow & Sarajewo), Former Director of FMP Technology GmbH, Am Weichselgarten 34, 91058 Erlangen, Germany; Former Head of Institute of Fluid Mechanics, Friedrich-Alexander-Universitat Erlangen-Nurnberg, Cauerstrasse, 4, 91058 Erlangen, Germany; Former Professor of Fluid 91058 Erlangen, Mechanics, University of Karlsruhe, KaiserstraBe 12, 76131 Karlsruhe, Germany; Res. Eichenstrasse Langensendelbach, Germany; Tel. +49-172-8565359, 9133-5790(R); Fax: +49-91333214; Email: franz.durst@mailbox.org; Sp. Fluid flow measuring techniques with emphasis laser Doppler - and phase Doppler - Anemometry/Numerical fluid mechanics with emphasis on method developments/ Laminar and Turbulence Transition/Turbulence with emphasis on anisotropic turbulence/Transition of pipe flows/Coating and drying of thin fluid films/Extended Navier-Stokes equations/Evaporation of fluids.

2023 ECKERT, Jürgen Hartmut (b. 1962) PhD, FNAE, Director, Erich Schmid Institute of Materials Sciences, Jahnstrasse 12, 8700 Leoben, Austria; Res. Dreihufeisengasse 10, 8700 Leoben, Austria, Tel. 0043-3842-804-109,111,112(O),3842-42358(R), 00436646127219(M); Fax: 0043-3842804116; Email: juergen.eckert@unileoben.ac.at; juergen.eckert@oeaw.ac.at; Sp. Materials Physics/Metastable Materials/Non-Equilbrium Phase Formation and Properties.

1983 FORD, Richard Earl (b. 1933) Ph.D., Executive Director, Consortium for International Crop Protection, 2040 Cordley Hall, Oregon State University, Corvallis OR 97331-2915, USA; Res. 23899 Neuman Road, Corvallis, OR 97333-9311, USA; Tel. (541) 737-5673(R); Fax: 737-3080; Email: r-ford1@uiuc.edu, cicp@uiuc.edu; Sp. Plant Virology/Maize/Legume Viruses.

2018 GAZIT, Ehud (b. 1966), PhD, FRSC, OSSI, Professor and Endowed Chair, Department of Molecular Microbiology & Biotechnology, Tel Aviv University, Tel Aviv 69978, Israel; Res. 32 Trumpeldor St., Ramat Hashavon 47264, Israel; Tel. +972-3-6409030(O), 5494247(R), +972-54-6615251(M); Email: ehudg@post.tau.ac.il; Sp. Nanotechnology/Supramolecular Chemistry/Peptido and Metabolite Chemistry.

GHOSH, Sankar (b. 1959) PhD, FNAS(USA), FNAM(USA), FAAAS(USA), FAAASc(USA), Silverstein & Hutt Family Professor and Chairman, Microbiology & Immunology Dept Columbia University, Vagelos College of Physicians & Surgeons, HHSC 1210, 701W 168 Street,New York 10032,USA; Res. 96 Skymeadow Drive, Stamford, CT 06903, USA; Tel. +1-2123045257(O),+1-6468384985, +1-6463850226 (M); Email: sg2715@columbia.edu; sg2715@cumc.columbia.edu; Sp. Molecular and Cell Biology/Microbiology/Immunology.

2006 **GILL, Bikram S.** (b. 1943) Ph.D.(California),FNAAS, University Distinguished Professor, Department of Plant Pathology, Kansas State University, Manhattan, KS 66506,USA; Res. 3905 Erin Cir, Manhattan, KS 66503, USA; Tel. 785-532-1391(O), 785-776-5962(R); Fax: 785-532-5692; Email: bsgill@ksu.edu; Sp. **Genetics/ Biotechnology/Plant Protection.** 

2015 **GREE, Rene Louis** (b. 1948) Ph.D., Directeur de Recherche CNRS (Em.), Universite de Rennes, Institut des Sciences Chimiques de Rennes, CNRS UMR 6226, Avenue du General Leclerc, 35042 Rennes-Cedex, France; Res. 52 Boulevard De Dezerseul, 35510 Cesson-Sevigne, France; Tel. (+33)(0) 223235715(O), (+33)(0)675930273(M); Fax: 223236978; Email: rene.gree@univ-rennes1.fr; Sp. **Organic/Medicinal/Applied Chemistry.** 

2020 HINCH, Edward John (b. 1947) PhD,FRS(London), Professor Emeritus, Cambridge University, CMS-DAMTP, Wilberforce Road, Cambridge, CB3 0WA, UK; Res. 61 Beechwood Avenue,Bottisham, Cambridge, CB25 9BG, UK; Tel. +44(0)1223 337864(O), 811707(R), +44(0)7712571451(M); Email: ejh1@cam.ac.uk; Sp. Applied Mathematics.

2002 ITO, Masao (b.1928) MD, Ph.D., RIKEN Brain Science Institute, 2-1, Hirosawa, Wako-shi, Saitama 351-0198, Japan; Res. 4-17-22 Kyonancho, Musashino-shi, Tokyo 180-0023, Japan; Tel. +81-48467-6984(O), 422-32-3652(R); Fax:48467-6975; Email: masao@brain.riken.jp; Sp. Physiology/ Neuroscience/Motor Control.

2000 IVANOV, Vadim Tikhonovich (b. 1937) Ph.D., D.Sc., Professor, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, UL Miklukho-Maklaya 16/10 Moscow Russia - 117871; Secretary of the Division of Physico-Chemical Biology of Russian Academy of Sciences; Res. Leninski Prospekt 69-3-396, Moscow, Russia; Tel. (7-095) 3305638(O), 1320406(R); Fax: 3305692; Email: ivavt@mail.ibch.ru; Sp. Bioorganic Chemistry/Biochemistry.

2020 JAGADISH, Chennupati (b. 1957) PhD,MNAE(US),FREng, FMCAS,FNAI,FAA,FTSE,FNA,FTWAS, FNAE, FASc, FEURASc, FAPAS, Distinguished Professor, Research School of Physics, Australian National University Canberra, ACT 2601, Australia; Res. 10 Salerno Street, Forestville, NSW 2087, Australia; Tel. +61261250363(O), +61422636898(M); Email : chennupati. jagadish@anu.edu.au; Sp. Nano-technology/Photonics/Optoelectronics/Semiconductors/ Energy/Neuroscience.

2012 JAUHAR, Prem Prakash (b. 1937) Ph.D., FČŠSA, FASA, FAAAS, Former Research Geneticist, USDA & Professor of Cytogenetics, North Dakota State University, USDA; Res. 30 Berkshire Road, Hicksville, NY 11801; Email: prem.jauhar @ndsu.edu; Sp. Plant Cytogenetics/Biotechnology/Plant Breeding.

JAYAS, Digvir Singh (b. 1958) PhD, PEng,PAg,FAZRA,FASABE, FCSBE,FAIC,FCIFST,FEC,FEIC,FCAE, FRSC, FNAAS, FISAE, IntPE(Canada),APEC Engineer, FGC(Hon.), Former Vice President (R&I) and Distinguished Professor, University of Manitoba; Res. 49, Westwater Drive, Winnipeg, MB, Canada R3X 2G2; Tel. 001-204-254-0637(R), 001-204-291-4505(M) Email: digvir.jayas@umanitoba.ca; Sp. Grain Storage/Grain Drying/Grain Quality Monitoring.

JHANWAR, Suresh C. (b. 1949) Ph.D., Member and Professor of Genetics, Memorial Sloan Kettering Cancer Centre, 1275 York Avenue, Box 147, New York, N.Y. 10065, USA; Res. 430 East 63rd Street, Apartment # 9-L, New York, N.Y. 10065, USA; Tel. (212) 6398895(O), 8885173(R); Fax: 204-7945830; Email: jhanwars@mskcc.org; Sp. Cancer Genetics/Molecular Biology/Genetic Medicine.

2003 KAGEYAMA, Sanpei (b. 1945) D.Sc., Visiting Professor, Research Center for Math & Science Education, Tokyo University of Science, 1-3 Kagurazaka, Shinjuku-ku, Tokyo 162-8601, Japan; Res. 1-18-1 Magame, Asakitaku, Hiroshima 739-1741, Japan; Tel. +81-3-3260-4271(O), +81-82-843-2801(R); Fax: +81-82-9843-2801(R); Email: pkyfc055@ybb.ne.jp; Sp. Combinatorics of Block Designs/Design of Experiments and Statistics Education.

2009 KAILATH, Thomas Sc.D. (MIT), US NAS, US NAE, Amer. Acad, of Arts and Sciences; For Mem: Royal Society of London, Royal Spanish Acad. Eng., INAE, INSA, IAS, NASI. Hitachi America Professor of Engineering, Emeritus, Dept of Elec. Eng., Stanford University, CA 94305-9510, USA; Res. 346 Greenoaks Dr., Atherton CA 94027, USA; Email: kailath@stanford.edu; Sp. Signal Processing, Information Theory, Communications, Control, Matrix Theory, Linear Algebra.

2016 KAUL, Sunil (b. 1959) PhD, FGŚI, FBRS, FIAN, Chief Senior Research Scientist, National Institute of Advanced Industrial Sci. & Tech., Central 5-41, 1-1-1 Higashi, Tsukuba Science City, Ibaraki 305, 8565, Japan; Res. Nagakuni Dai 3-24, Tsuchiura-shi, Ibaraki 300 0810, Japan; Tel. +81 29 8616713(O), 9096881186(M); Fax : 29 8612900; Email: kaul2kaul@yahoo.com; Sp. Stress/Aging/Cancer.

2013 KNOLL, Andrew Herbert (b. 1951) Ph.D.,D.Sc.(h.c.),FNASc(USA), ForMemRS, Fisher Research Professor of Natural History, Department of Organismic and Evolutionary Biology, Harvard University, 26, Oxford Street, Cambridge, MA 02138, USA; Res. 322, Waverley Street, Belmont MA 02478, USA; Tel. 1-617-495-9306(O), 484-1311(R); Fax : 495-5667; Email : aknoll@oeb. harvard.edu; Sp. Paleontology/ Geobiology.

1997 KORNER, Christian (b. 1949) Dr.Phil., Professor of Botany, Institute of Botany, University of Basel, Schonbein Strasse 6, CH-4056, Basel, Switzerland; Res. Im Katzenwadel 20, CH-4102 Binningen, Switzerland; Tel. +41-61-2673510(O), +41792470422(M); Email: ch.koerner@unibas.ch; Sp. Plant Ecology.

2007 KUMAR, Shrawan, PhD, DSc, OC, FRSC (Canada), Professor Emeritus, Department of Physical Therapy, University of Alberta, Edmonton, Alberta, Canada - T6G 2G4; Res. 4292, Trailmaster Drive, Mississanga, Ontario, L5V 3C4, Canada; Tel. 905-502-8107, 6475233701; Email : srsrku@gmail.com; shrawan@rogers.com; Sp. Rehabilitation Ergonomics.

2022 LAKSHMINARAYANAN, Vasudevan (b. 1957) PhD, FNAAS, Professor of Optometry and Vision Science, Physics, Electrical & Computer Engineering and System Design Engineering, University of Waterloo, Waterloo, ON N2L 351 Canada; Res. 3509, Edgewood Drive, Ann Arbor, MI 48104, USA; Tel. +1 519-888-4567 Ext. 38169(O), +1 202-460-3995(M); Fax: +1 519-725-0784; Email: vengu@uwaterloo.ca; vengulak@uwaterloo.ca; Sp. Optics & Photonics/Optometry/Biomedical and Electrical Engineering.

2015 **LAURENCIN, Cato Thomas** (b. 1959) MD, PhD, FTWAS, FINAE, FIAS, FREng, Laureate, Nat'l Medal of Technology/Innovation USA, Van Dusen Distinguished Endowed Professor, University of Connecticut, Storrs, Connecticut, USA; Res. 50 Far Hills Drive, Avon, CT USA; Email: laurencin@uchc.edu;

- 2022 **LETAIEF, Khaled Ben** (b. 1962) PhD, FNAE(US), Acting Provost and New Bright Professor of Engineering, Electronic & Computer Engg. Department, The Hong Kong University of Sci.& Technology Clear Water Bay, Kowloon, Hong Kong; Res. Flat 5A, Tower 8, Senior Staff Quarters, The Hong Kong University of Sci.& Technology Clear Water Bay, Kowloon, Hong Kong; Tel. +852 2358 7064(O), +852 9889 9210(M); Fax: +852 2358 1485; Email: eekhaled@ust.hk; Sp. **Electronics & Telecommunication/Information Technology.**
- 2006 **LEVI, Francis** (b. 1949) M.D., Ph.D.(Paris), Directeur, INSERM U 776 "Rythmes biologiques et cancers", Campus CNRS, 7 rue Guy Moquet, 94801 Villejuif Cedex, France; Res. 34 rue du 19 Mars 1962, 94800 Villejuif, France; Tel. (+33) 1 49 58 34 83(O); Fax: 1 49 58 34 59; Email: monique.levi@inserm.fr; Sp. Oncology/Basic & Clinical Medical Sciences.
- 2011 LEVITT, Malcolm Harris, (b. 1957) D.Phil.,F.R.S.(UK), Professor of Physical Chemistry, School of Chemistry, University of Southampton University, Southampton SO17 1BJ, UK Res. 5 Wamngton Drive, Chanduks Ford, 5053 1TR, UK; Tel. +4423 8059 6753(O), 8026 6964(R); +44 7770782024; Fax: 8059 3781; Email: mhl@soton.ac.uk; malcolmhlevitt@mac.com; Sp. Magnetic Resonance.
- 2012 LOGAN, David Edwin (b. 1956) M.A., Ph.D., Coulson Professor of Theoretical Chemistry, Physical and Theoretical Chemistry Laboratory, University of Oxford, South Park Road, Oxford OX1 3QZ, UK; Res. Derehyde, Shotover Hill, Old Road, Headington, Oxford OX3 8TA, UK; Tel. 0044-1865-275418/275152(O); Fax: 0044-1865-275410; Email: david.logan@chem.ox.ac.uk; Sp. Theoretical Chemistry and Physics/Condensed Matter Theory/ Quantum many-body theory.
- 2018 MAAZA, Malik (b. 1963), PhD, FAAS,FRSC, FEAS, FNYAS, FIAS, FAAAS, UNESCO UNISA Chair, 5 Belmondo Complex, Curlew Way, Somerset West 7129, Western Cape Province, South Africa; Res. 1 Old Faure Road, Ithemba Labs-NRF, PO Box 722, Somerset West, 7129, Sourth Africa; Tel. +27(0) 218431145/46/49, 8524107(O), 782748584(R); Email: maaza@tlabs.ac.za; Sp. Nanosciences/Nanotechnology/Nanomaterials.
- 2018 MALLAPRAGADA, Surya Kumari (b. 1972), PhD, FAIMBE, FAAAS, FNAI, FIAMBE, Distinguished Professor and Associate Vice President for Research, Iowa State University, 2114 Sweeney Hall, AMES, IA 50011, USA; Res. 3217 Aspen Circle, AMES, IA 50014, USA; Tel. (+1) 515-294-7407(O); Fax: 515-294-2689; Email: suryakm@iastate.edu; Sp. Engineering Sciences (Biomaterials).

2010 MASUHARA, Hiroshi (b. 1944) Ph.D., Chair Professor, Applied Chemistry Department, National Chiao Tung University, Taiwan; Specially Appointed Professor, Graduate School of Materials Science, Nara Institute of Science & Technology, E408, Takayama, 8916-5, Ikoma, NARA, 630-0192, Japan; Res. Minami-konoike 2-4-16, Higashi-Osaka, Osaka, 578-0961, Japan; Tel. +81-743-72-3875(O), +81-6-6745-6674(R), Fax : +81-743-71-2011; Email: masuhara@ masuhara.ip; Sp. Photochemistry/Laser Fabrication/ Time resolved Spectroscopy.

MATHUR, Sanjay (b. 1968) PhD, Director & Chair Professor, 2021 Chemistry Department, Institute of Inorganic Chemistry, University of Cologne, Greinstrasse 6, Cologne 50837, Germany; Res. Frechener Weg 65, 50859, Cologne, Germany; Tel. 0049-221-470/4107(5627)(O), 2234-6000989(R), 171-7633026(M); Fax: 221-4704899; Email: sanjay.mathur@uni-Sp. koeln.de: Inorganic Chemistry/Processing

Nanomaterials/Surface Engg. Technologies.

MITRA, Sanjit Kumar (b. 1935) PhD(California), FINAE, FIEEE, 2006 FNAE(US), FNTVA(Norway), FHAZU(Croatia), FAEM(Mexico), FASTR(Romania), FASF(Finland), FATZ(Croatia), FEAJ (Japan), FANE(Brazil), MAE (Europe), FNAI(US), Distinguished Professor Emeritus, Department of Electrical & Computer Engineering, University of California, Santa Barbara, CA 93106-9560, USA; Res. 929, Crown Avenue, Santa Barbara, CA 93111-1020, USA; Tel. (805) 893-3957(O), 967-9557(R); Fax: 893-3262; Email: mitra@ece.ucsb.edu; Sp. Analog and Digital Signal Processing/Image Processing.

2020 MITRA, Sushanta Kumar (b. 1972) PhD, FNAE, Executive Director, Waterloo Institute for Nanotechnology, QNC#3607, Waterloo Institute for Nanotechnology, 200 University Av.W., University of Walerloo, ON, N2L 3G1, CANADA; Res. 278 Craigleith Drive, Waterloo, ON, N2L 5B3 CANADA; Tel. +1-519-888-4567 x 37176(O); Email: skmitra@uwaterloo.ca; Sp. Microfluidics & Nanofluidics/Wetting/Water Quality Monitoring

Treatment.

1993 MIYAKE, Saburo (b. 1924) PhD (Osaka), FNA, Professor Emeritus, University of Tokyo (Tokyo); Osaka City University (Osaka); and Kanagawa University (Yokohama), Japan; Honorary Fellow, TIFR (Mumbai); Foreign Fellow, INSA (New Delhi), India; Res. 6-16-3, Mukougaoka Üenoshiba Sakai-shi, Osaka 543, Japan; Tel. (072) 2781606(R); Email: miyake@ alpha.sci.osakacu.ac.jp; Sp. Cosmic Rays/ Elementary Particles.

MIYASAKA, Hiroshi (b. 1957) PhD, Professor, Division of Frontier Materials, Department of Materials Engineering Science, 2017 Graduate School of Engineering Science, Osaka University, Osaka 560-8531, Japan; Res. Tawaraguchi 854-1-301, Ikoma, Nara 630-0243, Japan; Email: miyasaka@chem.es.osaka-u.ac.jp; Sp. Reaction Dynamics/Ultrafast Spectroscopy/

Laser-Induced New Properties and Structures.

2011 MURTY, Vijayakumar, PhD, DSc, FRSC, Professor, Department of Mathematics, University of Toronto, 40 St. George Street, Toronto, Ontario, M5S 2E4, Canada; Email : murty@math. utoronto.ca; Sp. Number Theory/Algebraic Geometry/ Inforamtion Technology/Mathematical Modelling.

2017 **NELSON, Karen Elizabeth** PhD, President, J.Craig Venter Institute, Res. 9605 Medical Center Dr., Suite 150, Rockville, MD 20850, USA; Tel.+1 240-271-1231; Email: kenelson@jcvi.org; Sp. **Human Microbiome/Genomics.** 

- NESTER, Eugene William (b. 1930) Ph.D., FNASc (USA), Emeritus Professor of Microbiology, University of Washington, Box 357735, Seattle, Wash 98115, USA; Res. 9534 Lakeshore Blud N.E., Seattle, Wash 98115, USA; Tel. (206) 616-8588(O), 5278863(R); Fax: 5438297; Email: gnester@uw.edu; gnester@u.washington.edu; Sp. Microbiology/Genetic Engineering.
- 2002 NETRAVALI, Arun N. (b.1946) Ph.D., FNAE (India), FNAE (USA), Bell Labs, 600 Mountain Avenue, Murray Hill, N.J. 07974, USA; Res. 10 Byron Court, Westfield, NJ 07090, USA; Tel. (908) 5824131(O), 6547763(R); Fax: 5825595; Email: arunnetravali@att.net; arunnetravali@omnivc.com; Sp. Communications/Networking.
- NOMURA, Taisei (b. 1942) M.D.,Ph.D., Professor Emeritus of Osaka University; Guest Professor, Gradaute School of Medicine and Engineering, Osaka University, 2-2, Yamada-oka, Suita, Osaka 565-0871, Japan; Res. 6-12-14,Onohara-Higashi, Mino, Osaka, 562-0031, Japan; Tel. +81-6-6879-3811(O), 727-27-1558(R); Fax: 6-6879-3819(O), 727-27-1558(R); Email: tnomura@radbio.med. osaka-u.ac.jp, nomurataisei@yahoo.co.jp; Sp. Radiation Biology/Medical Genetics.
- 2005 **OGAWA**, **Seiji**, (b. 1934) PhD, Distinguished University Professor, Tohoku Fukushi University, Aobaku, Sendai, Japan 989-3201; Tel. 81-467-31-4350(R), and Osaka University, Distinguished Honorary Professor; Email: ogawa-s@tfu-mail.tfu.ac. jp; ogawa\_sk1904@nifty.com; Sp. **Functional MRI.**
- 1986 **OKADA, Tokindo** (b. 1927) D.Sc.(Kyoto), Professor Emeritus (Kyoto Univ.), Director, Biohistory Research Hall, Murasakicho, Takatsuki, 569, Japan; Res. 22-Minamishiba-cho, Shimagamo, Kyoto 606, Japan; Tel. 0726-81-9750 (Ext. 8401)(O); Fax: 0726-81-9758; Sp. **Developmental Biology.**
- PATEL, Chandra Kumar Naranbhai (b. 1938) Ph.D., Sc.D.(h.c.), FNA, NAS(USA), NAE(USA), National Inventors Hall of Fame (USA); Fellow, Am.Acad.Arts & Sc., Past President, Am.Phys.Soc., Sigma Xi, President & CEO, Pranalytica, Inc., 1101 Colorado Avenue, Santa Monica, CA 90401-3009; Professor Emeritus, Department of Physics & Astronomy, UCLA, USA; University Distinguished Professor, University of Central Florida, Orlando, FL 32816, USA; Res. 1171 Roberto Lane, Los Angeles, CA 90077, USA; Tel. (310) 458-3345(O), 471-6505(R); Fax: 458-0171; Email: patel@pranalytica.com; Sp. Laser/Quantum Electronics/Bioengineering.
- 2010 PAULRAJ, Arogyaswami Joseph (b. 1944) Ph.D., FTWAS, MNAE(US), FCAE(China), Professor (Emeritus), 232 Packard, Electrical Engineering Dept., Stanford University, Stanford, CA 94305, USA; Res. 821, Tolman Dr., Stanford, CA 94305, USA; Email: apaulraj@stanford.edu; Sp. Electronics & Telecom/Information Technology.

2007 PEDLEY, Timothy John, (b. 1942) Ph.D.(Camb.), Sc.D.(Camb.), FRS, G.I. Taylor Professor of Fluid Mechanics (Emeritus), Dept. of Applied Mathematics & Theoretical Physics, University of Cambridge, Cambridge, CB3 OWA, UK; Res. 38 Hauxton Road, Little Shelford, Cambridge CB22 5HJ, UK; Tel. +44-1223-337864(O), +44-1223-847819(R); Fax: +44-1223-765900; Email: tjp3@cam.ac.uk; t.j.pedley@damtp.cam.ac.uk; Sp. Biological Fluid Dynamics/ Biomechanics/Mathematical Biology.

2016 **PETTIGREW, Roderic Ivan** (b. 1950) PhD, MD, Former Director, National Institute of Biomedical Imaging & Bioengineering, National Institute of Health, Building 31, Room 1C14, 31, Center Drive, MSC 2281, Bethesda, MD 20892-2281, USA; Res. 5204 W Cedar Ln, Bethesda, MD 20814, USA; Tel. 1-301-496-8859(O), 1-301-718-7305, 1-240-476-5899(R); Fax: 1-301-480-0679; Email: rodericpettigrew@gmail.com; Sp. **Applied Physics in Medicine/Bioengineering/Medical Imaging.** 

2009 PINES, Alexander, (b. 1945), Ph.D., Glenn T. Seaborg Professor of Chemistry, University of California, Berkeley, Stanley Hall Rm 208, MC 3220, Berkeley, CA- 94720-3220, USA; Tel. +1 (510) 642-1220; Fax: +1 (510) 666-3768; Email: pines@berkeley.edu

2010 POOVAIAH, Bachettira W., M.S., Ph.D., Regents Professor, Washington State University, Pullman, Washington State, 99164-6414, USA; Tel. 509-335-2487(O), 509-335-2462(Lab); Fax: 509-335-8690; Email: poovaiah@wsu.edu

PRABHAKAR, Nanduri R. (b. 1952) Ph.D., D.Sc., Harold H. Hines Professor & Director, Institute for Physiology & Center for Systems Biology of O<sub>2</sub> Sensing Biological Sciences Division, University of Chicago, MC5068, Room N711, Chicago, IL60637, USA; Res. 5230 Unith South University Avenue, Chicago, IL 60615, USA; Tel. 773-8345480/5254(O), 6439782(R), 7735717826(M); Fax: 8345252; Email: nanduri@uchicago.edu; Sp. Cardio-Respiratory Physiology.

PRAKASH, Surya G.K. PhD, FAAAS, FEAS, FACS, Professor & George A & Judith A Olah Nobel Laureate Chair in Hydrocarbon Chemistry; Director, Loker Hydrocarbon Research Institute, Chairman, Department of Chemistry, University of Southern California, 837 Bloom Walk, Los Angeles, CA 90089, USA; Res. 3412, Casco Court Hacienda Heights, CA 91745, USA; Tel. 1-213-740-5984(O), 1-626-333-3734(R), 1-626-252-6413(M); Fax: 1-213-740-6679; Email: gprakash@usc.edu; Sp. Organic/Hydrocarbon Chemisry and Methanol Economy.

2020 PRASAD, Paras Nath (b. 1946) PhD, SUNY Distinguished Professor of Chemistry, Physics, Electrical Engg. & Medicine, 428 NSC Building, University at Buffalo, Buffalo, NY 14260, USA; Res. 139 Chapel Woods, Williamsville, NY 14221, USA; Tel. +1 716 6454148(O), +1716 9847731(M); Fax: +1 716 645 6945; Email: pnprasad@buffalo.edu; Sp. Physical Chemistry/Photonics/Nanomaterials.

2018 QADRI, Firdausi (b.1951), PhD,FBAS,FAAM,FIDSA, FNA, FTWAS, Senior Director, Infectious Diseases Division, Head, Mucosal Immunology & Vaccinology Unit, International Centre for Diarrheal Disease Research, Bangladesh, 68, Shaheed Tajuddin Ahmed Sarani, Mohakhali, Dhaka -1212, Bangladesh; Res. House 48, Road-9, Block-B, Dhaka - 1212, Bangladesh; Tel.+880 (0)2-2222-77001-10(O), +8801711595367(M); Email: fqadri@icddrb.org;Sp. Biochemistry/Immunology/Vaccine Research.

2007 RAM MURTY, Maruti, (b. 1953), Ph.D., Ph.D.(MIT), FNA, Professor of Mathematics & Queen's Research Chair, Queen's University Kingston, Ontario, K7L 3N6, Canada; Res. Apt. 1006/5 Gore Street, Kingston, Ontario, K7L 5M2, Canada; Tel. 613-5332413(O), 5484381(R); Fax : 5332964; Email : murty@mast.queensu.ca; Sp. Number Theory.

- 1990 RAVEN, Peter Hamilton (b. 1936) PhD, DSc, FNA, FMRS, NAS, President Emeritus, Missouri Botanical Garden, 1037 Cy Ann Drive, Town and Country, MO 63017-8402, USA; Tel. 79 314-302-1556; Email: peter.raven@mobot.org; Sp. Plant Sciences/Conservation.
- 2013 **REDDY, Anireddy S.N.** (b. 1956) MS, PhD, FAAAS, FASPB, Professor, Department of Biology and Program in Cell and Molecular Biology, Colorado State University, Fort Collins, CO 80523, USA; Tel. 970-491-5773(O); Email: reddy@colostate.edu; Sp. **Plant Sciences/Plant Molecular Biology/Plant Genomics/Agricultural Sciences/Biochemistry.**
- 1991 **REDDY, Janardan K.** (b.1938) M.B.B.S., M.D.(Path.), Professor of Pathology, Northwestern University, Feinberg School of Medicine, 303, East Chicago, Avenue, Chicago, IL 60611, USA; Tel. 1(312) 5037948(O); 7519827(R); Fax: 5038249; Email: jkreddy@northwestern.edu; Sp. **Pathology.**
- 2000 **REDDY, Raj,** (b. 1937) Ph.D., D.Sc.(h.c.), FNA, Herbert A Simon University Professor of Computer Science and Robotics, Wean Hall 5325, School of Computer Science, Carnegie Mellon University, Pittsburgh PA 15217, USA; Tel. (412) 2687170(O), 2682572(R); Fax: 6835348; Email: rr@cmu.edu; Sp. **Human-Computer Interaction and Artificial Intelligence/Spoken Lanuagge System.**
- 2022 **RENUGOPALAKRISHNAN**, **Venkatesan** PhD, Professor, Boston Children's Hospital, Harvard Medical School, Centre for Life Sciences, 3 Blackfan Street, Boston, MA 02115, USA; Res. 56B, High Street, Milford, Massachusetts 01757, USA; Tel. +1 508 302 1621(R), +1 508 983 4068(M); Email: v.renugopalakrishnan@gmail.com; v.renugopalakrishnan@northeastern.edu; Sp. **Immunobiology/Medical Science/Proteins.**
- 2012 SAMBHARA, Suryaprakash (b. 1956) Ph.D., Chief, Immunology Section, Influenza Division, Mail Stop G16, Centers for Disease Control & Prevention, 1600 Clifton Road, Atlanta, GA 30333, USA; Res. 2681 Glenrose Hill, Atlanta, GA 30341, USA; Tel. 404-639-3800(D), 770-496-0677(R); Fax: 404-639-2350; Email: ssambhara@cdc.gov; prakashsambhara@gmail.com; Sp. Immunology/Infectious Diseases/Vaccines.
- 2012 SCHWARZ, Helmut (b. 1943) Professor of Chemistry, TU Berlin, Institute of Chemistry, Sekr. C4, Strasse des 17. Juni 115, 10623, Berlin, Germany; Res. Patschkauer Weg 15, 14195 Berlin, Germany; Tel. +49-30-314-23483(O); Fax: +49-30-314-21102; Email: helmut.schwarz@tu-berlin.de; Sp. Physical/Theoretical/Organic Chemistry.

SENGUPTA, Ram Prasad (Robin) (b. 1937) M.Sc. (Newcastle UK), F.R.C.S.(Eng. & Edin.), Consultant Neurosurgeon Emeritus, Newcastle NHS Trust, Professor Emeritus in Neurosurgery, TN Ramachandran University, Chennai; Chairman, Institute of Neurosciences, Kolkata & National Neurosciences Centre, Calcutta; Res. 112, Moorside North, Newcastle upon Tyne, England, NE4 9DX; Tel. 0044 7944 633 084(O), 191 273 9187(R), 09830066775(M)(India); Email : robin.sengupta@neuro kolkata.org, sengupta@gmail.com; Sp. Neurosurgery/Voluntary Work/ Education Research.

1985 **SILINI, Giovanni** (b. 1931) Via S.Maurizio, 22; Tel.(035) 96.28.71 - 24065 LOVERE (Bergamo), Italy.

1995 SINCLAIR, James B. (b. 1917) Ph.D.(Wisconsin), Formerly Professor of Plant Pathology, University of Illinois; Res. 408 Arbours Dr., Savoy, IL 61874-9752; Tel. (217) 352 7937(R); Email: jsinclai@illinois.edu; Sp. Plant Pathology.

2011 SINGH, Sri Krishna, (b. 1946) Ph.D., Emeritus Professor, Instituo de Geofisica, Universidad Nacional Autonoma de Mexico, Coyoacan, Mexico D.F. 04510; Res. 5, DE Mayo 12, Tepepan Mexico, D.F., 16020; Tel. 00-52-55-5622-3168(O), 56772004(R); Email: krishnamex@yahoo.com; Sp. Earthquake Source Studies/Seismotectonics Seismic Hazard.

2010 SISODIA, Sangram Singh (b. 1956) Ph.D., FAAAS, FRSAS, Thomas Reynolds Senior Family Professor of Neuroscience, The University of Chicago, 947 E. 58th St. Chicago, IL 60637; Res. 5716 So. Blackstone Ave., Chicago, IL 60637; Tel.773-834-9186(O), 773-955-5086(R); Fax: 773-702-3774; Email: ssisodia@bsd. uchicago.edu; Sp. Neurobiology/Biochemistry /Cell Biology.

2021 SOMASUNDARÁN, Ponisseril (b. 1939) PhD, Professor & Director, Langmuir Center for Colloids & Surface, School of Engineering and Applied Science, Columbia University, New York, NY 10027 LISA: Email: ps24@columbia.edu:

10027, USA; Email: ps24@columbia.edu;
 STAROBINSKY, Alexei A., (b.1948) Hon.D.Sci., PhD, Academician Russian Acad.Sci., International Member NAS(US), Member German NAS Leopoldina, Principal Research Scientist, Landau Institute for Theoretical Physics, Russian Academy of Sciences, Akad. Semenova 1a, Chernogolovka, Moscow Region, 142432, Russia; Professor, Faculty of Physics, National Research University Higher School of Economics, Moscow, 101000, Russia; Res. 2-330, Seraphimovicha str., Moscow, 119072, Russia; Tel.7-495-702-93-17(O), 7-495-959-31-98(R), 7-916-597-54-27(M); Fax: 7-495-702-93-17; Email: alstar@landau.ac.ru, alstar@itp.ac.ru; Sp. Cosmology/General Relativity/Astrophysics.

1996 **TAKEDA, Yoshifumi** (b. 1935) M.D., D.Med.Sci., FNA, Res. 2-1-3 Nukui-Kitamachi, Koganei, Tokyo 184-0015, Japan; Tel. 81-42-388-2424(R); Fax: 388-2424; Email: takeda44233@gmail.com; Sp. **Bacteriology/Infectious Diseases.** 

TATA, Jamshed Rustom (b.1930) Ph.D., FNA, FRS, FTWAS, Sr. Scientist, MRC National Institute for Medical Research, The Ridgeway, London, Mill Hill, London, NW7 1AA, UK; Res. 15 Bittacy Park Avenue, Mill Hill, London NW7 2HA, UK; Tel. +44-(0) 20-8346 6291(R); Fax: 20-8906 4477; Email: jrtata134@clara.c7o.uk; Sp. Biochemistry/Endocrinology/Development.

TRAN, Lam-Son Phan (b. 1969) PhD, FTWAS, Professor, Texas Tech University, Plant & Soil Science Dept., Institute of Genomics for Crop Abiotic Stress Tolerance, Experimental Science Bldg. II, R 201A, Lubbock, TX 79409, USA; Res. 4512, 139th St, Lubbock, TX 79424, USA; Tel. +1-806-834-7829(O), +1-806-451-8425(M); Fax : +1-806-742-4521; Email : son.tran@ttu.edu; Sp. Developmental/Functional/Genetical.

1999 VARGAS, Jose I., Former President, The Third World Academy of Sciences, Abdus Salam International Centre for Theoretical

Physics, Trieste, Italy.

VARMÁ, Shambhu Ďayal (b. 1936) Ph.D., Professor of Biochemistry & Ophthalmology, University of Maryland School of Medicine, Deptt. of Ophthalmology, 10 S. Pine Street, Baltimore, MD 21201, U.S.A.; Res. 10217 Burlington Lane, Ellicoti City, MD 21042, U.S.A.; Tel. (410) 7063395(O), 4612243(R); Fax: 7061668; Email: svarma2384@aol.com; Sp. Biochemistry/Metabolism/ Enzymology.

1997 VERMA, Inder M. (b. 1947) PhD, FNA, Former Professor, Laboratory of Genetics, The Salk Institute, CA, USA; Res. 1620 Valdes Drive, La Jolla, CA, 92037, USA; Tel. 858-551-7558(R), 858-967-9260(M); Email: imohanv1@gmail.com; Sp. Genetics

Engineering & Genetherapy.

2019 WADHWA, Renu (b. 1961) PhĎ(India), PhD(Japan), FGSI, FIAN, FBRSI, Prime Sr. Research Scientist, National Institute of Advanced Industrial Science &Technology Central 5-41, 1-1-1 Higashi, Tsukuba,Ibaraki 3058565,Japan; Res. 3-24 Nagakuni Dai, Tsuchiura-shi, Ibaraki 300 0810, Japan; Tel. +81 298619464(O), +81 298238448(R), +81 8043548011(M); Email: renu-wadhwa@aist.go.jp; Sp. Stress/Aging/Cancer.

2008 WELLAND, Sir Mark Edward (b.1955) PhD, FRS, FREng, F.Inst.P., Chief Scientific Adviser to UK Govt., Ministry of Defence (2008-2012); Professor of Nanotechnology, Nanoscience Centre, University of Cambridge, 11, J.J. Thomson Avenue, Cambridge, CB3 0FF.UK; Tel. (+44 1223) 760305(O); Fax: 760309; Email:

mew10@cam.ac.uk; Sp. Nanoscience.

2007 WINDLE, Alan Hardwick (b. 1942) Sc.D., FRS, Professor, Department of Materials Science & Metallurgy, University of Cambridge, Pembroke Street, Cambridge, CBZ 3QZ, UK; Res. 15, Storey's Way, Cambridge, CB3 ODP, UK; Tel. 44-1223-334321(O); Email: ahw1@cam.ac.uk; Sp. Polymers/Carbon Nano Tubes.

2003 WOLFRUM, Juergen Manfred, (b. 1939) Dr.rer.nat, Professor, acatech, HAW, NYAS, Director Bio-Quant, Im Neuenheimer Feld 267, 69120 Heidelberg, Germany; Res. Suedring 2, 37124 Rosdorf, Germany; Tel. +49 (0) 6221-5451202, 55091389, 1733852836(M); Fax: 6221-5451481; Email: wolfrum@urz.uni-heidelberg.de; Sp. Laser Diagnostics in Chemistry/Combustion/ Catalysis/Systems Biology.

2010 WRIGHTON, Mark Stephen (b. 1949) PhD, Professor and Chancellor Emeritus, Washington University in St. Louis, MSC 1020, St.Louis, Missouri 63130, USA; Res. 7060 Westmoreland Drive, St.Louis, Missouri 63130, USA; Tel. 1-314-935-2400(O), 1-314-726-3106(R), 1-314-276-3628(M); Fax: 1-314-935-5957; Email: wrighton@wustl.edu; Sp. Inorganic and Physical

Chemistry.

1991 WYLLIE, Peter John (b. 1930) Ph.D., D.Sc.(h.c.), FNA, FRS, FCAS, Emeritus Professor, Division of Geological & Planetary Sciences, California Institute of Technology, Pasadena, CA 91125, U.S.A.; Formerly President, International Union of Geodesy and Geophysics; Formerly President, Internationa Mineralogical Association; Res. 2150, Kinclair Drive, Pasadena, CA 91107, USA; Email : wyllie@gps.caltech.edu; Sp. Experimental Petrology, Granite Carbonatite.

XU, Qiang (b. 1964), PhĎ, FEAS, FRSC, Director, AIST-Kyoto University Chemical Energy Materials Open Innovation Laboratory, National Institute of Advanced Industrial Sci. & Technology, 1-8-31 Midorigoka, Ikeda, Osaka 563-8577, Japan; Res. 3-5-21-407 Jonan, Ikeda, Osaka 563-0025, Japan; Tel. +81-72-751-9562(O), 4525(R), +81-90-8758-4074(M); Email: q.xu@aist.go.jp; qxuchem@hotmail.com; Sp. Inorganic Chemistry/Physical Chemistry/Applied Chemistry.

1998 YASUDA, Kunio (b. 1942) Ph.D., Professor, Nara Institute of Science & Technology, 8916-5 Takayama, Ikoma 630-0101, Japan- 630-0101; Res. 115, Manjyosiki-cho, Ookamedani, Fukakusa, Fushimi-ku, Kyoto 612-0846, Japan - 612-0846; Tel. 0743-72-5550(O), 075-643-0378(R); Sp. Molecular mechanisms of lens induction and eye formation.

2008 YAU, Shing Tung (b. 1949) Ph.D., Graustein Professor, Department of Mathematics, Harvard University, Cambridge Mass 02138, USA; Tel. (617) 495-0836(O); Email: yau@math.harvard.edu; Sp. Differential Geometry/Differential Equations and General Relativity.

ZAIDI, Mone (b. 1960), MD, PhD, DSc(hc), MD(hc), MACP, FRCP, FRCPath,FRSB, FAAAS, Professor of Medicine & of Pharmacological Sciences, Icahn School of Medicine at Mount Sinai, PO 1055, One Gustavelevy Place, New York NY10029, USA; Tel. +1-212-241-8798(Direct), 8797(Assistant); Email: mone.zaidi@mssm. edu; Sp. Medical Sciences/Biochemistry.

## **FELLOWS**

Year of Election	Name, Designation and Address
1995	AATRE, Vasudev K. (b.1939) PhD, FNAE, FIETE, Formerly Scientific Adviser to Raksha Mantri, Ministry of Defence, New Delhi; Res. MAPLE, No. 139, Ist Block, 3rd Main, RMV II Stage Bangalore - 560094; Email: vasudevaatre@yahoo.com; Sp Electronics & Telecommunication.
2003	ABBASI, Shahid Abbas (b. 1950) PhD, D.Sc., FIIChE, FIE, FIPHE Former Sr. Professor & Head; Currently Emeritus Professor Centre for Pollution Control & Environmental Engineering Pondicherry University, Pondicherry - 605014; Res. 'Greer House', Chinnakalapet, Pondicherry - 605014; Tel. (0413 2655263, 09443265262(M); Email: abbasi.cpee@gmail.com Sp. Environmental Engineering/Energy Studies/Environmental Science/Process Safety/Bioprocess
2021	Engineering.  ABHILASH, Purushothaman C. (b. 1978) PhD, FNAAS, Assistan Professor(Stage III) Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi - 221005 Res. B-31, 83-R, Professor Colony, Rashmi Nagar, Bhogaveer Lanka, Varanasi - 221005; Tel. 09415644280(M); Email pca.iesd@bhu.ac.in; Sp. Ecology/Environment & Sustainable Development.
1985	ABROL, Inder Pal (b. 1939) PhD, FNA, FNAAS, Director, Centre fo Advancement of Sustainable Agriculture (CASA), NASC Complex, DPS Marg, Pusa, New Delhi - 110012; Formerly Deputy Director General, ICAR, New Delhi; Res. A 34/2, DLF City, Phase I, Gurgaon - 122001; Tel. (011) 25848188 25846880, 39594145(O), (0124) 2358755, 2354267(R); Fax (011) 25846880, 26138632; Email : abrolip@gmail.com; Sp Soil Science/Agroforestry/Crop Production.
1984	ABROL, Yash Pal (b. 1935) PhD(Chicago), FNA, FASc, FNAAS President, (Indian Nitrogen Group), Society for Conservation of Nature, F4, NASC Complex, CGIAR Block, DPS Marg, New Delhi - 110012; Res. Flat No. 202, Abhinanadan, Plot no. 8 Sector 51, Near Artemis Hospital, Gurgaon-122002; Tel. (011 25843842(O), (0124) 4241629(R), 09810032162(M); Fax: (011 25843842; Email: ypabrol@gmail.com; Sp. Agriculture/Crop Physiology/Land Use/Climate & Agriculture.
2003	ACHARYA, Chuni Lal (b. 1945) PhD, DSc(France), FISSS FNAAS, FISWM, Formerly Director, Extension Education, CSk HPKV, Palampur and Formerly Director, Indian Institute of Soi Science (ICAR), Bhopal; Res. H.No. 28, Nagarkot Colony Thakurdwara, P.O. Maranda, Palampur - 176102 (H.P.); Tel (01894) 238824(R); 09418105471, 07807205472(M); Email cl_acharya@ yahoo.co.in; clacharya45@gmail.com; Sp. Soi Physics/Soil Conservation/Water Management.

ACHARYA, Damodar (b. 1949) PhD, FNAE, FIE, Chairman, Advisory Board, SOA Deemed to be University, Khandagiri Square, Bhubaneswar - 751030; Formerly Director, IIT Kharagpur, Chairman, AICTE, Vice-Chancellor, Biju Patnaik University of Technology, Bhubaneswar; Res. DN Oxy Park, Tower-II, 16th Floor, Flat No. 2173, Dumduma, Bhubaneswar - 751019; Tel. (0674) 2350885(O), 2742336(R), 09437499485, 09734501234(M); Email: acharyadamodar94@gmail.com; Sp. Industrial Engineering/Operations Research/Operation Management.

ACHARYA, Narottam (b. 1974) PhD, Scientist F, Laboratory of Genomic Instability & Diseases, Department of Infectious Disease Biology, Institute of Life Sciences, Bhubaneswar, Odisha - 751023; Res. Flat No. 201, GA-43, Kamala Plaza, Sailashree Vihar, Bhubaneswar, Odisha - 751021; Tel. (0674) 2304278(O), 09777454635(M); Fax : 2300728; Email : narottam\_acharya@ils.res.in; narottam74@gmail.com; Sp.

Molecular Biology/Biochemistry/Microbiology.

1987

ACHARYA, Radha Mohan (b. 1934) M.S., PhD, FNAAS, FNAVSc, Formerly Deputy Director General (Animal Science), I.C.A.R.; Res. 784/9, Faridabad - 121006; Tel. (0129) 5283933(R), 09313062280, 9136065937(M); Email : sanjivacharyain@ yahoo.com; Sp. Animal Genetics & Breeding/ Biometrics/Agriculture Research Management.

ACHARYA, Somobrata (b. 1973) PhD, Senior Professor, School of Applied & Interdisciplinary Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata - 700032; Res. Flat 2A & 2C, Shree Ram Apartment, 1 Eastern Park, 4th Road, Santoshpur, Kolkata - 700075; Tel. (033) 24734971 Extn.1104(O&R), 09609763012(M); Fax: 24732805; Email: somobrata@gmail.com; Sp. Supramolecular Assemblies/Nanocrystals/Opto-electronics Applications.

2004 ACHARYA, Subrat Kumar (b. 1951) MD, DM, FNA, FASc, FnASc, Pro Chancellor, KIIT University, Bhubaneswar – 751024, Odisha; Former President, AIIMS, Bhubaneswar, Former Professor & Head, Dept. of Gastroenterology, AIIMS, New Delhi; Res. B-1481, Sector 11, CDA, Cuttack, Odisha; Tel. 09810753779, 9871841769(M); Email: subratacharya@gmail. com; subratacharya@hotmail.com; Sp. Medicine/Gastroenterology/Liver Diseases.

1997 ACHARYYA, Subhrangsu Kanta (b.1940) M.Tech.,D.Sc., FGMMSI, FMGMI, F.Geochem.Soc.Ind., Emeritus Scientist (CSIR), Dept. of Geological Sciences, Jadavpur University, Kolkata-700032; Formerly Director General, Geological Survey of India; Res. 15, Dr. Sarat Banerjee Road, Kolkata -700029; Tel. (033) 65354774(R), 09830419484(M); Email: skacharyya @yahoo.com; Sp. Stratigraphy/Tectonics/ Geo-dynamics.

1990 ACHUTHAN, Paninjukunnath (b.1932) PhD, Formerly Sr. Professor of Mathematics & Theoretical Physics, IIT, Madras; Distinguished Professor, A.V. Vidyapeetham, Coimbatore -641105; Res. AK-106, Sri Mata Amritananda Mayi Devi Math, MAM Ashram, Amritapuri PO, Kollam Dt., Kerala -690525; Tel. 09567450227, 08129949631(M); Sp. Applied Mathematics/Theoretical Physics/ Optimization/ Approximation/Mathematical Modeling/ Science and Spirituality Studies.

ADABALA, Ramachandra Rao (b. 1942) PhD, Formerly Emeritus Scientist, CSIR; Formerly Professor of Applied Mathematics, Indian Institute of Science, Bangalore- 500012; Res. 525, Anandanilayam, 5th Cross, 8A Main, J.R.D. Tata Nagar, Bangalore-560092; Tel. (080) 23515113(R), 09886565113(M); Email: rra\_42@rediffmail.com; Sp. Fluid Mechanics: Rotational flows/Physiological flows.

2000 ADAK, Tridibes (b. 1950) PhD, Formerly Scientist G, MRC, Delhi; Res. 1330A, Sector B, Pocket 1, Vasant Kunj, New Delhi - 110070; Tel. 09899117847(M); Email: adak.mrc@gmail.com; Sp. Entomology/Genetics/ Malariology.

2019 ADHIKARI, Satrajit (b. 1965) PhD, Sr. Professor of Theoretical Chemistry, School of Chemical Sciences, Indian Association for the Cultivation of Science, 2A & 2B Raja SC Mullick Road, Jadavpur, Kolkata - 700032; Res. 12/1 Central Park, Jadavpur, Kolkata - 700032; Tel. (033) 24734971(O), 24257937(R), 09432322390(M); Email: pcsa@iacs.res.in; Sp. Physical/Theoretical Chemistry.

2007 ADHIKARI, Sukumar Das (b.1957) PhD, Professor & Head, Department of Mathematics, Ramakrishna Mission Vivekananda University, Belur Math, Dist. Howrah - 711202; Formerly Professor I, HRI, Prayagraj; Tel. 09935753456(M); Email : adhikarisukumar@gmail.com; Sp. Number Theory/Combinatorics.

2010 ADHYA, Tapan Kumar (b. 1949) PhD, FNA, FNAAS, FWAST, FAMI. Professor, School of Biotechnology, KIIT University, Bhubaneswar - 751024; Res. Flat # 201, Alpine House, Sishu Bhubaneswar 751024; 09437304299, Vihar. Tel. adhyas@yahoo.com; 08249253228(M); Email: Sp. Environmental Microbiology/Climate Change and Agriculture, Soil Microbial Diversity.

ADIMURTHI, Adi (b.1952) PhD, FNA, FASc, TWAS, Former Professor (I), Rajaramanna Fellow, TIFR CAM, PB 6503, Sharadanagar, Chikkabommasandra, Bangalore - 560065; Res. Flat No. 2, Sree Gurunivas Apartments, 23-24, First Main Road, Amarjyothi Layout, Sanjay Nagar, Bangalore - 560094; Tel. (080) 66953742(O), 29531505(R), 09663565354(M); Fax: 66953799; Email: aditi@math.tifrbng.res.in; adiadimurthi@gmail.com; Sp. Differential Equations.

1978 AGARWALA, Umesh Chandra (b. 1930) PhD(Boston), FNA, Formerly Professor & Head, Dept. of Chemistry, Indian Institute of Technology, Kanpur; Res. 295 A, Block C-1, Indira Nagar, Kanpur- 208026; Tel. (0512) 2250748(R); Sp. Inorganic Chemistry/Organometallic Chemistry/Reaction Mechanism.

AGARWAL, Ávinásh Kumar (b. 1972), MTech, PhD, FTWAS, FAAAS, FCI, FASME, FSAE, FRSC, FNAE, FISEES, FWSSET JC Bose National Fellow and SBI Endowed Chair Professor, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. H.No.605, Lane 31, IIT Kanpur Campus, Kanpur - 208016; Tel. (0512) 2597982(O), 2598682(R), 09415405879(M); Fax: 2597408; Email: akag@iitk.ac.in; Sp. I.C. Engines/Fuels/Emission Control/Sustainability/Optical Diagnostics.

AGARWAL, Girish Saran (b. 1946) PhD, DSc(hc), FRS, FNA, FASc, FTWAS, Institute for Quantum Science and Engineering and Departments of Biological and Agricultural Engineering, Physics and Astronomy, TAMU4242, Texas A&M University, College Station, TX 77843; Res. 4411 Uphor Ct, College Station, TX 77845, USA; Tel. 979 4587939, 405-7141566(M); Email: girish.agarwal@tamu.edu; Sp. Quantum Optics/Laser Physics/ Statistical Mechanics.

1969 AGARWAL, G.P. (b. 1926) D.Phil., FPSI,FBS, Emeritus Professor, Dept. of Biological Science, R.D. University, Jabalpur-482 001; Res. 450 Pachpedi, Jabalpur-482 001; Tel. (0761) 2601688(R);

Sp. Mycology/Microbiology/ Plant Pathology.

AGARWAL, Hari Charan (b.1933) M.S., PhD, FNAAS, Formerly Professor & Head, Department of Zoology, University of Delhi, Delhi - 110007; Res. B 4/23, Rajasthali Apartments, Madhuban Chowk, Pitampura, Delhi - 110034; Tel. (011) 27019081, 27030869; 09891495003(M); Email: haricharanagarwal@yahoo.com; Sp. Insect Physiology/Toxicology.

2016 AGARWAL, Sanjay Kumar (b. 1958) MD, FAMS, Chairman, Nephrology and Kidney Transplant Medicine, Marengo Asia Hospital, Gurugram and Faridabad, Golf Course Extension Road, Sushant Lok-II, Sector-56, Gurugram-122011; Res. G-902, La Lagune Apartment, Golf Course Road, Sector-54, Gurugram-122011; Tel. 09811434836(M); skagarwalnephro@gmail.com; Sp. Medicine/Nephrology/Dialysis/Transplant.

1988 AGARWAL, Satish Chandra (b. 1944) PhD, Emeritus Scientist (CSIR), Formerly Professor, Physics Department, Indian Institute of Technology, Kanpur - 208016; Res. H.No.5, Navsheel Dham, Bithoor Road, Kanpur - 208017; Tel. (0512) 2597085(O), 2597407(Lab), 2571612(R); Fax: 2590914; Email: sca@iitk.ac.in; Sp. Solid State Physics/Amorphous Semiconductors/Nano-Crystalline Semiconductors.

AGARWAL, Vivek (b. 1964) PhD, FNA, FNAE, FIEEE, Professor, Electrical Engineering Department, IIT Bombay, Powai, Mumbai - 400076; Res. B-320, Nilgiri Apts., Central Area, IIT Bombay, Powai, Mumbai - 400076; Tel. (022) 25767422(O), 25768422(R), 09004552983(M); Fax : 25723707; Email : agarwal@ee.iitb.ac.in; Sp. Power Electronics/Renewable Energy/Power Quality.

AGGARWAL, Amita (b. 1960) MBBS, MD, DM, FASc, FAMS, Professor & Head, Department of Clinical Immunology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow - 226014; Res. V B/16, SGPGI Campus, Lucknow - 226014; Tel. (0522) 2494296(O), 2494410(R), 09473584267, 08004904389 (M); Fax:2668017; Email: amita@sgpgi.ac.in; aa.amita@gmail. com; Sp. Medicine/Clinical Immunology/Rheumatology.

1999 AGGARWAL, Pramod Kumar (b. 1954) PhD(Life Sci.), PhD (Agri.&Envi.), CCAFS Regional Program Leader, International Water Management Institute, Delhi Office, DPS Marg, New Delhi - 110012; Tel. (011) 25840811(O), Fax: 25842072; Email: pkaggarwal.iari@gmail.com; p.k.aggarwal@cgiar.org; Sp. Crop Ecology/Simulation Modeling/Environmental Impact Assessment.

2007 AGGARWAL, Rakesh (b. 1961) MBBS,MD,DM, FAMS, FASc, FNA, Director, Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Puducherry - 605006; Res. Director's Bungalow, JIPMER Campus, Puducherry – 605006; Tel. (0413) 2272901, 2296002(O), 09415328131(M); Fax: 2272067; Email: aggarwal.ra@gmail.com; aggarwal.r@jipmer. edu.in; Sp. Gastroenterology/Epidemiology/Viral Hepatitis/ Health Economics/Public Health/Immunization.

- 2017 AGRAWAL, Amit (b. 1974) PhD,FNAE, Institute Chair Professor, Department of Mechanical Engineering, IIT Bombay, Powai, Mumbai 400076; Res. B248 Aravali Building, IIT Bombay Campus, Powai, Mumbai 400076; Tel. (022) 25767516(O), 25768516(R); 09819460889(M); Fax : 25726875; Email : amit.agrawal@iitb.ac.in; Sp. Fluid Mechanics/Heat Transfer/Bio-Microdevices.
- 2021 AGRAWAL, Anurag (b. 1972) PhD, FNA, FASc, FATS, Former Director, CSIR-Institute of Genomics and Integrative Biology, Mall Road, Delhi 110007; Res. 12-B, Sriram Road, Civil Lines, Delhi 110054; Tel. (011) 27666156(O), 09818451946(M); Email : draagrawal@gmail.com; anurag.agrawal@ashoka. edu.in; Sp. Respiratory Disease and Biology/Digital Health/Physiology.
- 1992 AGRAWAL, Bal Krishna (b. 1939) D.Phil.,D.Sc.,FNA, Formerly Professor & Head of Physics, Allahabad University; INSA Emeritus Scientist; Res. 15-D, Bank Road, Prayagraj 211002; Tel. 06347113347(M); Email: balkagl@rediffmail.com; Sp. Condensed Matter Physics/ Nanomaterials/ Superconductivity.
- AGRAWAL, Dharma Pal (b. 1933) PhD, Director (Hon), Lok Vigyan Kendra, Ashirvad, East Pokharkhali, Almora 263601; Formerly NASI Senior Scientist, Senior Professor & Area Chairman, Quaternary Palaeo-Climate Study Area, Physical Research Laboratory, Ahmedabad; Res. Ashirvad, East Pokharkhali, Almora-263601; Tel. 09927364123, 09758408889(M); Email: histcentre@gmail.com; dpalmora@gmail.com; Sp. Palaeoclimate/History of Science & Technology/Evolution of Brain/Traditional Knowledge Systems.
- AGRAWAL, Hari Om (b. 1936) M.S.(USA), D.Sc.(Holland), Assoc.I.A.R.I., FASc, FPSI, FIVS, FBS, Formerly Professor of Biotechnology, Head & Dean, HP University, Shimla; UGC Emeritus Scientist; Res. Sri Laxman Bhawan, 20/2 Indira Nagar, Lucknow 226016; Tel. (0522) 2341586(R), 09389790504(M); Sp. Virology/Microbiology/Biotechnology.
- 2010 AGRAWAL, Madhoolika (b. 1958) PhD, FNA, FNAAS, JC Bose National Fellow, Department of Botany, Banaras Hindu University, Varanasi 221005; Res. B-97, Brij Enclave Colony, Sunderpur, Varanasi 221005; Tel. 09415628573(M); Email: madhoo.agrawal@gmail.com; Sp. Ecology/Environmental Science/Global Climate Change/Air Pollution and Plants.

Council: Mem. 2017-18 G.S. 2022-23

2007 AGRAWAL, Manindra (b. 1966) PhD, FNA, FNAE, FASc, FTWAS, For Asso NAS, N.Rama Rao Chair Professor, Department of Computer Science & Engineering, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. House No.622, IIT Campus, Kanpur- 208016; Tel. (0512) 2597338(O), 2598363(R), 09935062605(M); Fax: 2597586; Email: manindra @iitk.ac.in; Sp. Theory of Computation.

- AGRAWAL, Prahlad Chandra (b. 1941) PhD, FASc, Former Senior Professor, Dept. of Astronomy & Astrophysics, TIFR, Colaba, Mumbai; Former PI AstroSat Satellite; Res. 405 Vigyan, Scientist's CHS, Plot 23, Sector 17, Vashi, Navi Mumbai 400703; Tel. 09867343442(M); Email : prahlad.agrawal@gmail.com; pral.chand1999@gmail.com; Sp. Experimental High Energy Astrophysics/X-ray Astronomy/Radiation Detectors for Space Missions.
- 2020 AGRAWAL, Shashi Bhushan (b. 1956) PhD, Former Senior Professor, Emeritus Scientist (CSIR) Department of Botany, Institute of Science, Banaras Hindu University, Varanasi 221005; Res. B-97 Brijenclave, Sunderpur, Varanasi 221005; Tel. 09415309682(M); Fax: (0542) 2368174; Email: sbagrawal56@gmail.com; Sp. Environmental Science/ Ecology/Air Pollution.
- 2004 AGREWALA, Javed Naim (b. 1961) PhD, FNA, FASc, Professor, Centre for Biomedical Engineering, Indian Institute of Technology (Main Campus), Rupnagar 140001, Punjab; Tel. 09417869408(M); Email: jagrewala@iitrpr.ac.in; jagrewala@gmail.com; Sp. Immunology/Tuberculosis/Gut Microbiome.
- 1980 AHLUWALIA, Vinod Kumar (b. 1930) PhD, Hony.Visiting Professor, Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi, Delhi 110 007; Res. BW97-A, Shalimar Bagh, Delhi 110088; Tel. (011) 27474154(R), 09899315421 (M); Sp. Synthetic Organic Chemistry/Green Chemistry/Environmental Chemistry.
- AHMAD, Faizan (b.1949) PhD, FNA, INSA Honorary Scientist, Department of Biochemistry, SCLS, Jamia Hamdard, Hamdard Nagar, New Delhi 110062; Res. 181/210, Ghaffar Manzil Extn., Lane No. 5, Jamia Nagar, New Delhi 110025;Tel. (011) 26059688 Ext. 5522(O), 26920954(R), 09810413115(M); Email: faizanahmad@jamiahamdard.ac.in; faizan.ahmad.jmi@gmail. com; Sp. Protein folding/Protein stability/Osmolyte-protein interaction/Protein Structure and function in Macromolecular Crowding Environment.
- AHMAD, Talat (b. 1955) PhD, FNA, FASc, JC Bose National Fellow, Chairman, Governing Body, Wadia Institute of Himalayan Geology, Dehradun 248001; Res. House No. 8, Lane No. 6, Ashirwad Enclave, Dehradun 248001; Tel. 06006274411, 09760684882(M); Email: tahmad001@yahoo. co.in; tahmad001@gmail.com; Sp. Igneous Petrology/ Geochemistry/Himalayan Geology.

Council: Mem. 2020-21

2014 AHMAD, Wasim (b. 1957) PhD, DSc, FNAAS, Professor, Section of Nematology, Department of Zoology, Aligarh Muslim University, Aligarh - 202002; Res. 4/1176-J, New Sir Syed Nagar, Civil Lines, Aligarh - 202002; Tel. (0571) 2700921 Ext. 3441, 4415(O), 07668634092, 09897397412(M); Email : ahmad wasim57@gmail.com; Sp. Nematology/Taxonomy/Ecology.

2015 AHMED, Niyaz (b. 1971) PhD, FRSC, FAAM, Professor, University of Hyderabad, Hyderabad - 500046; Res. K1001, Aparna Sarovar, Kancha-Gachibowli Road, Gopanpally, Hyderabad - 500046; Tel. (040) 67768571(R); Email : ahmed.nizi@gmail. com; niyaz.ahmed@uohyd.ac.in; Sp. Molecular Epidemiology/ Genomics.

2019 AHMED, Shakeel (b. 1958) PhD, FTWAS, FNESA, FGSI, FTAS, Consultant, Maulana Azad National Urdu University, Hyderabad - 500032; Formerly Chief Scientist, CSIR-NGRI, Hyderabad & MK Gandhi Chair Professor, JMI, New Delhi; Res. 7-61/3, Shankar Nagar Colony, Hyderabad - 500039; Tel. 09849919496, 08074418911(M); Email: shakeelifcgr@gmail. com; shakeelahmed@ngri.res.in; Sp. Ground Water Hydrology/Geophysics/Geostatistics.

AHUJA, Gulshan Kumar (b. 1939) FRCP, FAMS, FIAN, Senior Consultant, Sitaram Bhartia Institute of Science & Research, B-16, Mehrauli Institutional Area, New Delhi - 110016; Formerly Professor of Neurology, All India Institute of Medical Sciences, New Delhi; Res. B-57, Sector 14, Noida-201301; Tel. (011) 42111111, 29871060(O), (0120) 4326842(R); Email: priya\_ahuja1975@yahoo.co.in; Sp. Neurology.

AIN, Rupasri (b. 1970) PhD, Chief Scientist, Cell Biology & Physiology Div., Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata - 700032; Tel. (033) 24995876(O), 24180181(R), 08902496173, 09875302495(M); Email : rupasri@iicb.res.in; rupasriain@gmail.com; Sp. Developmental Biology/Stem Cell Biology/Trophoblast Biology.

AJAI (b. 1953) D.Phil., Former Group Director, Marine and Earth Sciences Group (MESG), Space Applications Centre, ISRO, Ahmedabad; Res. 30, Basant Bahar-2, Near Homeopathic College, Bopal, Ahmedabad - 380058; Tel. 09427308931(M); Email: drajai\_in@yahoo.com; Sp. Geoinformatics, Earth Science, Environment and Natural Resources Management.

2006 ALEX, Thekkethil Kochandy (b. 1948) PhD, FNAE, FIETE, DFOSI, Former Director, UR Rao Satellite Center; Res. No.13A, NTI Layout, Vidyaranyapura, Bangalore - 560097; Tel. 08079665835, 09880595277(M); Email: drtkalex@gmail.com; Sp. Satellite Technology.

2011 ALI, Nahid (b. 1956) PhD, FTWAS, FNA, FASc, FAScT, INSA Emeritus Scientist, JC Bose National Fellow, Infectious Diseases & Immunology Division, CSIR-Indian Institute of Chemical Biology, 4 Raja SC Mullick Road, Kolkata- 700032; Res. Ekta Oleander Block 2 Flat 7C, 16 Radhanath Chowdhury Kolkata – 700015; Tel. (033)24995757(O), 23280176(R), 09830034759(M); Fax: 24730284, 24735197; Email: nali@iicb.res.in: nahidali28@yahoo.in; Biochemistry/Immunology/Parasitology.

ALI, Sher (b. 1955) PhD, FNA, FASc, FSASc, JC Bose National Fellow, Distinguished Professor, Dept. of Personalized and Molecular Medicine, VC Office, Era University, Lucknow – 226003; Former Professor, Director, Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi; Res. Flat 1201, Tower 5, Purvanchal Royal City, Sector Chi-5, Gautam Buddha Nagar, Greater Noida – 201310; Tel. (0120) 4152525(R), 09818004632(M); Email: sherali@erauniversity.in; profsali55@gmail.com; Sp. Personalized and Molecular Medicine/Molecular Genetics and Comparative Genomics.

- 2008 AMARANATH, Tirumalasetty (b.1951) PhD, NBHM Visiting Professor, School of Mathematics & Statistics, University of Hyderabad, Hyderabad 500046; Res. 43, Lilac, Serene County, Gachibowli, Hyderabad 500032; Tel. (040) 23134053(O), 23003877(R); Fax : 23010560; Email : amaranath.t@gmail.com; Sp. Fluid Mechanics.
- 2010 AMRITKAR, Ravindra Eknath (b. 1951) PhD, FASc, FMAS, Senior Professor (Rtd.), Physical Research Laboratory, Navrangpura, Ahmedabad 380009; Res. A52, Jupiter Tower, Bodakdev, Behind Grand Bhagwati, Ahmedabad 380054; Tel. (079) 26857041(R), 09016626694(M); Email: ravin012@gmail.com; Sp. Complex Systems/Nonlinear Dynamics/Chaos.
- 2020 AMTE, Mandakini Prakash (b. 1946) MBBS, DA, Medical Officer, Lok Biradari Hospital, Hemalkasa, Lok Biradari Prakalp Hemakasa, PO & Tah. Bhamragad, Dist. Gadchiroli 442710, MS; Res. Lok Biradari Prakalp, Hemalkasa, PO & Tah. Bhamragad, Dist. Gadchiroli 442710, MS; Tel. 09405405750(M); Email: amteprakash@gmail.com;
- 2020 AMTE, Prakash Murlidhar (b. 1948) MBBS, DLit, Director, LBP Hemalkasa, Lok Biradari Prakalp, Hemalkasa, PO & Tah. Bhamragad, Dist. Gadchiroli 442710, MS; Res. Lok Biradari Prakalp, Hemalkasa, PO & Tah. Bhamragad, Dist. Gadchiroli 442710, MS; Tel. 09423121803(M); Email : amteprakash@gmail.com;
- ANAND, Anuranjan (b.1965) PhD, FNA,FASc, Professor, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560064; Res. OAK, B803, Godrej Woodsman Estate, Bellary Road, Hebbal, Bangalore 560024; Tel. (080) 22082804(O), 40995014(R), 09845804923(M); Fax : 22082766; Email : anand@jncasr. ac.in; Sp. Human Genetics/Neurogenetics/Developmental Genetics.
- ANAND, Ruchi (b. 1975) PhD, Professor, Dept. of Chemistry, IIT Bombay, Mumbai 400076; Res. B-147 Ananta Building, IIT Bombay, Mumbai 400076; Tel. (022) 25767165(O), 25768154(R), 09930124541(M); Email: ruchi@chem.iitb.ac.in; Sp. Biochemistry/Biophysics/Biotechnology/Structural Biology.

ANANTHAKRISHNAN, Subramaniam (b.1944) PhD, FASc, FNA, FURSI, Adjunct Professor & INSA Honorary Scientist, Electronic Science Dept., Pune University, Ganeshkhind, Pune - 411007; Res. Flat No. 15, Khagol Vaigyanik Housing Cooperative Society, S.No. 38/1, Panchavati, Pashan, Pune - 411008; Tel. (020) 25699841(O), 07350829530(R), 09421081098(M); Fax: 25699841; Email: subra.anan@gmail.com; ananth@electronics.unipune.ac.in; Website: www.electronics.unipune.ac.in; Sp. Radio Astronomy/Interferometry/Antenna Design.

ANDEZHATH, Susheela Kumaran (b. 1937) PhD,FASc,FAMS, Ashoka Fellow, Executive Director, Fluorosis Research & Rural Development Foundation, B-1, Saransh, 34, Indraprastha Extn., Patparganj, Delhi - 110092; Res. B-404, Saransh, 34, Indraprastha Extn., Patparganj, Delhi - 110092; Tel. (011) 79607577(O), 35573286(R), 09810535228(M); Email: frnrdf.aks@gmail.com; Sp. Fluorosis/Public Health/Nutrition.

ANILKUMAR, Thapasimuthu Vijayamma (b. 1961) PhD, FRCPath(Eng.), FNAAS, FNAVS, Scientist G, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Poojappura, Thiruvananthapuram - 695012; Res. Vijaya Vihar, TC 25/2249, NNRA-68, Nalanda, Nanthancode, Thiruvananthapuram - 695003; Tel. (0471) 2520282(O), 09447017506(M); Email : tvanilkumar2020@ yahoo.com; Sp. Toxicologic Pathology/Laboratory Animal Medicine/Veterinary Pathology.

ANTO, Ruby John (b. 1963) PhD, Scientist G, Division of Cancer Research, Rajiv Gandhi Centre for Biotechnology, Thycaud Post, Poojappura, Thiruvananthapuram - 695014; Res. Devadeyam, VRN A30/20, Vidyadhiraja Lane I, Poojappura, Thiruvananthapuram - 695012; Tel. (0471) 2529473(O), 2358802(R), 09447617861 (M); Fax: 2349303, 2348096; Email: rjanto@rgcb.res.in; Sp. Chemosensitization/ Chemoprevention/Bioprospecting.

2012 ANUPAMA, G.C. (b. 1961) PhD, FASc, FNA, Sr. Professor (Retired), Indian Institute of Astrophysics, II Block, Koramangala, Bengaluru - 560034; Res. A802, Vaishnavi Splendour, 6th Cross, 80 Ft. Road, R.M.V. II Stage, Bengaluru - 560094; Tel. 09845044770(M); Email: anupamagadiyara@ gmail.com; Sp. Astronomy/Astrophysics.

APTE, Shree Kumar (b.1952) PhD, FNA, FNAAS, FASc, FMASc, Distinguished Professor - UM-DAE Centre for Excellence in Basic Sciences, JC Bose National Fellow - DST, Room PF-BG28, UM-DAE-CEBS, Vidyanagari, Kalina, Mumbai - 400098; Res. 404, Runwal Hills, Deonar Farm Road, Deonar, Mumbai - 400088; Tel. (022) 26530229(O), 25580177(R), 09869480205 (M); Fax: 26522134, 26524982; Email: aptesk@cbs.ac.in; Sp. Molecular Biology of Stress and Adaptive Responses and Nitrogen Fixation.

Council: Mem. 2010-2011, Spl.Inv.2016-2018

2018 ARANKALLE, Vidya Avinash (b. 1952), PhD, FNA, FASc, Senior Scientist, IRSHA, Bharati Vidyapeeth University; Pune; Res. 3C-A2-24, New Ajanta Avenue, Paud Road, Kothrud, Pune – 411038;Tel.(020) 24366911(O),25460686(R), 09371016417(M); Email: varankalle@yahoo.com; Sp. Virology/Biotechnology/Vaccinology.

1998 ARORA, Baldev Raj (b. 1947) PhD, FASc, Former Director, Wadia Institute of Himalayan Geology, Dehra Dun; Res. 36, Janakpuri, Engineers Enclave, Phase III, GMS Road, Dehra Dun – 248001; Tel. 09897391661, 09818051629(M); Email: arorabr47@gmail.com; Sp. Magnetotelluric/Seismicity/Seismotectonic/Earthquake Precursors.

- 1992 ARUNACHALAM, Vaidheeswara (b. 1938) PhD (Cantab), FNA, FASc, FNAAS, Formerly Head, Division of Genetics, IARI, New Delhi; Program Advisor, MSSRF, Chennai; Res. Flat 1, Rams Bridgeview Apartments, 3, Central Avenue Road, Kodambakkam, Chennai 600024; Tel. (044) 24724198(R), 08939139327(M); Email : vaiarunachalam@hotmail.com; vaiarunachalam@yahoo.co.in; Sp. Quantitative Genetics/ Plant Breeding/ Participatory Plant Breeding/ Biodiversity.
- 1988 ARUNACHALAM, Vallampadugai S.R. (b. 1935) PhD(Wales), D.Engg.(h.c.), D.Sc.(h.c.), D.Litt.(h.c.), FASc, FNAE, FREng, FNA, Chairman, CSTEP, Dr. Rajaramanna Complex, Raj Bhavan Circle, Bangalore 560001; Res.547, 9th Cross JP Nagar Phase III, Bangalore 560078; Tel. (080) 22373311(O), 26491399(R), 09845447735(M); Fax : 22372619; Email : vsa@cstep.in; vsa@cmu.edu; Sp. Infrastructure Systems/National Security Technology.
- 2015 ARUNAN, Elangannan (b. 1961) PhD, FASc, FRSC, Professor & Chair, Dept. of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore 560012; Res. DQ-10, Duplex Quarters, Indian Institute of Science Campus, Bangalore-560012; Tel. (080) 22932828(O), 29620952(R); Fax: 23600282; Email : arunan@iisc.ac.in; Sp. Spectroscopy/Kinetics/Bonding.
- ARVIND (b. 1968) PhD, Professor & Vice Chancellor, Punjabi University, Urban Estate Phase II, Patiala 147002; Res. D-10, Professors Duplex Houses, IISER-Mohali, Knowledge City, Sector 81, SAS Nagar, Mohali 140306; Tel. 09888564456(M); Email: arvind@iisermohali.ac.in; arvind.ekalgadda@gmail.com; Sp. Quantum Information and Quantum Computation/Foundations of Quantum Mechanics/Quantum Optics.
- 1978 ARYA, Shashi Prabha (b. 1942) PhD,D.Sc.,FIMA(UK), Formerly Reader, Department of Mathematics, Maitreyi College, Bapu Dham Complex, Chanakya Puri, New Delhi- 110 021; Res. 90, Saakshara Apartments, A-3, Paschim Vihar, New Delhi- 110 063; Tel. (011) 25264358(R), 09810374753(M); Email: shashiarya99@gmail.com; Sp. General Topology/Mathematical Education.
- 2018 ASHRAF, Mohammad Zahid (b. 1973), PhD, Professor, Department of Biotechnology, Faculty of Natural Sciences, Jamia Millia Islamia, Delhi 110025; Res. 29, Mall Apartments, Mall Road, Delhi 110054; Tel. (011) 23815024(O), 09871426706(M); Email : zashraf@jmi.ac.in; Sp. Basic and Clinical Medical Sciences/Molecular Medicine/ Translational Medicine.

ASIF, Mehar Hasan (b. 1973) PhD, Senior Principal Scientist, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow - 226001; Res. CM-11 Sector B, Aliganj, Lucknow - 226024; Tel. (0522) 2297914(O), 09935634903(M); Email: mh.asif@nbri.res.in; meharasif@gmail.com; Sp. Transcriptomics/Genomics/Evolutionary Biology.

ASOPA, Hari Shanker (b. 1934) M.S., FRCS(Eng. & Edin.), FAMS, D.Sc.(h.c.), FICS(Hon.), FACS, Chief Consultant Surgeon, Asopa Hospital, Gailana Road By-Pass, Agra - 282 007; Res. Asopa Hospital Campus, Gailana Road By-Pass, Agra - 282007; Tel. (0562) 2603190, 2604606, 2600004(O), 09837059232(M); Fax: 2602186; Email: asopahospitalagra@gmail.com; Sp. Surgery/Genitourinary Reconstruction.

ASTHANA, Omkar Prasad (b. 1949) MBBS, DCH, MD, Ex-Deputy Director & Head, Clinical & Exp. Medicine Division, Central Drug Research Institute, Lucknow - 226001; Res. 2237, Lokmanganj, Charbagh, Lucknow - 226004; Tel. (0522) 4002957(O), 09450359938(M); Email: omkarp.asthana@gmail.com; Sp. Clinical Pharmacology/Human Pharmacokinetics.

ASTHANA, Ravi Kumar (b. 1961) PhD, Senior Professor & Head, Department of Botany, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. Om Nagar Colony, Aditya Nagar, Chitaipur, PO Sunderpur, Varanasi - 221005; Tel. 09454161038, 09838599626(M); Fax: 0542-2366402; Email: asthana.ravi@gmail.com; rasthana@bhu.ac.in; Sp. Phycology in the area of Stress Biology/Drug Discovery/Environmental Biotechnology.

2019 ASWAL, Dinesh Kumar (b. 1965) PhD, Director, Health, Safety and Environment Group, Bhabha Atomic Research Centre, Trombay, Mumbai – 400085; Former Director, NPL, New DelhiTel. (022) 25593717, 25593603(O), 09819545301(M); Fax: 25505313; Email: dkaswal@yahoo.com; Sp. Molecular-Electronics/Thermoelectrics/Metrology.

ATEEQ, Bushra (b. 1976) PhD, FASc, FNA, Professor & Senior Fellow, DBT/Wellcome Trust India Alliance, Molecular Oncology Laboratory, Dept. of Biological Sciences & Bioengineering, The Mehta Family Centre for Engg. in Medicine, IIT Kanpur, Kanpur - 208016; Res. H.No. 4072, Lane 33, IIT Kanpur, Kanpur - 208016; Tel. (0512) 2594083(O), 2594042(L), 2598683(R), 09621421208(M); Fax: 2594010; Email: bushra@iitk.ac.in; bushraateeq@gmail.com; Sp. Molecular Oncology/Cancer Genomics/Drug Targets.

ATHAR, Mohammad (b.1957) PhD, Distinguished Professor and Vice-Chair of Dermatology, Director, UAB Research Center of Excellence in Arsenicals, The University of Alabama at Birmingham, Department of Dermatology, Volker Hall – Room 509, 1670 University Blvd., Birmingham, AL 35294-0019; Tel. 2059347554(O), Fax: 2059347500; Email: mathar@uab.edu; Sp. Toxicology, Dermatology (Environmental Carcino genesis).

2010 AWASTHI, Shally (b. 1958) MD, DNB, FASc, FAMS, FIAP, Professor, Department of Pediatrics, KGMU, UP, Lucknow - 226003; Res. C-29, Sector C, Chetan Vihar, Aliganj, Lucknow - 226024; Tel. (0522) 4011510(R), 09839221244(M); Email : shallya@rediffmail.com; shally07@gmail.com; Sp. Pediatrics/ Clinical Trials/ Pediatrics Pulmonology.

2014 AYYAPPAN, Subbanna (b. 1955) PhD. DSc(hc), FNAAS. Chairman, NABL, Gurgaon; 106, Sankalp Basant, # 40 & 41, Akka Mahadevi Road, Industrial Suburb, JP Nagar, Mysuru -09582898989(M); Email Karnataka: Tel. sayyappan1955@gmail.com; Sp. Fisheries/Aquaculture/ Aquatic Microbiology.

2011 AYYAPPANPILLAI, Ajayaghosh (b. 1962) PhD, FASc, FNA, FTWAS, Director, National Institute for Interdisciplinary Science & Technology, CSIR, Trivandrum - 695019; Res. Devadaru, TC 55/191, Kaimanom, Pappanamcode PO, Trivandrum - 695018; Tel. (0471) 2515306(O), 2491592(R), 09446059059(M); Fax: 2491712; Email: ajayaghosh62@gmail.com; ajayaghosh@niist. res.in; Sp. Photo-responsive Materials/Self Assembly/ Molecular Probes.

2022 BABU, Kavita (b. 1977) PhD, Associate Professor, Centre for Neuroscience, Indian Institute of Science, CV Raman Road, Bangalore - 560012; Res. A1303, Glen Classic, Devinagar. Bangalore - 560092; Tel. (080) 22932062(O), 08146996513(M); kavitababu@iisc.ac.in; Sp. Invertebrate Genetics/Neurobiology/Molecular Biology.

2007 BACHHAWAT, Anand Kumar (b. 1958) PhD, FASc, FNA, Professor, Indian Institute of Science Education and Research, Mohali, Knowledge City, SAS Nagar, P.O. Manauli, Punjab; Res. 1079/2, Sector 39-B, Chandigarh - 160036; Tel. (0172) 2240119(O), 2690126(R), 09888224948(M); Fax: 2240266; Email: anand@iisermohali.ac.in; Sp. Molecular Genetics/ Microbial Genetics/Biochemistry.

1995 BAGCHI, Biman (b.1954) PhD(Brown Univ.), FNA, FASc, FTWAS, Professor (SSCU) and Dean of Science, Indian Institute of Science, Bangalore-560012; Res. Flat No. E-22, IISc Campus, Bangalore - 560012; Tel. (080) 22932926, 22932336(O), 23600236(R); Fax: 23601310; Émail : bbagchi@iisc.ac.in; profbiman@gmail.com; Sp. Physical Chemistry/Biophysical Chemistry/Molecular Relaxation Processes and Chemical Dynamics.

1991 BAGYARAJ, Davis Joseph (b. 1940) PhD, FNA, FNAAS, FNABS, FKSTA, Chairman, Centre for Natural Biological Resources and Community Development (CNBRCD), 41, RBI Colony, Anand Nagar, Bangalore - 560024; Res. 41, RBI Colony, 1st Floor, Anand Nagar, Bangalore - 560024; Tel. (080) 23335368(O), 09448465368(M); Email djbagyaraj@gmail.com; Agricultural Microbiology.

BAHL, Om Prakash (b. 1939) PhD, Emeritus Scientist, Carbon 1999 Technology Unit, National Physical Laboratory, K.S. Krishnan Road, New Delhi - 110012; Res. D-210, Sector 55, Noida -Tel.(011) 45608686(O), (0120) 4324415(R), 201301: 09810251200(M); Email: opbahl@gmail.com; Sp. Carbon Materials.

1989 BAHL, Prem Nath (b. 1933) PhD(N.Dakota), FNAAS, FISGPB, Formerly Deputy Director General (Crop Sciences), Indian Council of Agricultural Research, New Delhi; Res. A-9, Nirman Vihar, Vikas Marg, New Delhi-110092; Tel. (011) 22541880(R), 09891628418(M); Email: pnbahl@hotmail.com; Sp. Plant Breeding/Genetics.

1982 BAISNAB, Abhoy Pada (b.1939) PhD(Wales), Formerly Professor, Department of Mathematics, Burdwan University; Res. K-3/6, Karunamayee Estate, Salt Lake, Sector II, Kolkata- 700091; Tel. (033) 23596634(R); Sp. Functional Analysis/ General Topology.

- 2023 BAJAJ, Avinash (b. 1980) PhD, Professor, Regional Centre for Biotechnology, 3rd Milestone Faridabad-Gurgaon Expressway, Faridabad 121001; Res. C-93, Pocket C, Sarita Vihar, New Delhi 110076; Tel. (0129) 2848831(O), (011) 42654649(R), 09910558724(M); Email : bajaj@rcb.res.in; Sp. Cancer Therapy/Drug Delivery/Biomaterials.
- 1996 **BAJAJ, Kamlesh Kumar** (b. 1950) PhD, FIETE, Dy CCA and Director, CERT-In, Department of IT, Ministry of Communication and IT, GOI, 6, CGO Complex, Lodi Road, New Delhi 110 003;Res. X-28, Regency Park-II, DLF City, Phase-IV, Gurgaon 122002; Tel. (011) 24368544(O), 0951244045972(R); Sp. **Information Technology.**
- 2008 **BAJPAI, Sunil** (b.1961) PhD,FASc, Head, Department of Earth Sciences, Indian Institute of Technology, Roorkee 247667; Tel. (1332) 285232(O), 09411500818(M); Email: sunilbajpai2001@yahoo.com; Sp. Vertebrate paleontology/Biostratigraphy/Paleobiogeography/Paleoecology.
- BAKHSHI, Ashok Kumar (b.1952) PhD, Vice-Chancellor, U.P. Rajarshi Tandon Open University (UPRTOU), Shantipuram, Sector-F, Phaphamau Prayagraj-211013; Professor (Sir Shankar Lal Chair), Chemistry Dept., Delhi University, Delhi 110 007; Res. VC Residence, UPRTOU, Shantipuram, Sector F, Phaphamau, Prayagraj 211013; Tel. (0532) 2447028(O), 09793760000(M); Fax: 2447032; Email: uprtou@yahoo.co.in; Sp. Physical Chemistry/ Theoretical Polymer Chemistry.
- 2018 BAKHSHI, Sameer (b. 1969), MBBS, MD, Professor, Department of Medical Oncology, Second Floor, Dr. Brairch, All India Institute of Medical Sciences, New Delhi 110029; Res. E-37, Ansari Nagar West, AlIMS West Campus, New Delhi 110029; Tel. (011) 26588153(O), 26100173(R); 09958828763(M); Fax : 26588153; Email : sambakh@hotmail.com; Sp. Medical & Pediatric Oncology.
- 2015 BAKSHI, Gurmeet Kaur (b. 1970) PhD, Professor, Centre for Advanced Study in Mathematics, Panjab University, Chandigarh- 160014; Res. House No.1605, Phase 10, SAS Nagar, Mohali 160064; Tel. (0172) 2534513(O), 2230606(R), 09914001444 (M); Email: gkbakshi@pu.ac.in; Sp. Algebra/Algebraic Coding Theory.
- 2019 BAL, Chandrasekhar (b. 1960) MD,DNB,DSc(hc),FICNM,FAMS, Professor & Head, Nuclear Medicine Department, All India Institute of Medical Sciences, New Delhi 110029; Res. C1/4, Ansari Nagar East, All India Institute of Medical Sciences, New Delhi 110029; Tel. (011) 26593530, 3210(O), 09013775659, 09868397182(M); Fax: 26588663; Email: drcsbal@gmail.com; csbal@hotmail.com; Sp. Thyroidology/Neuroimaging & PET/CT Oncology.

2020 BALAJI, Vikraman (b. 1962) PhD, MA, FNA, FASc, Professor, Chennai Mathematical Institute, H1 SIPCOT IT Park, Siruseri, Kelambakkam - 603103; Res. 2/4, Krishna Kuteeram, 10 North Avenue, Srinagar Colony, Chennai; Tel. (044) 71961000(O), 09884392556(M); Fax: 27470225; Email: balaji@cmi.ac.in; vikramanbalaji@gmail.com; Sp. Algebraic Geometry/Representation Theory.

2000 BALAKRISHNAN, Narayanaswamy (b. 1950) PhD,FNAE,FTWAS, FNA,FASc,FIETE, INSA Senior Scientist, Supercomputer Education & Research Centre, Indian Institute of Science, Bangalore-560012; Res. 428, 'Meenakshi', 5<sup>th</sup> Cross, 1<sup>st</sup> Main, JRD Tata Nagar, Bangalore - 560092; Tel. (080) 23600325(O), 23516160(R); Fax: 22933438; Email: balki@iisc.ac.in; balki.iisc@gmail.com; Sp. Computational Electromagnetics/ Information Security/High Performance Computing.

2013 BALAKRISHNAN, Ramakrishnan (b. 1961) PhD, Professor, Indian Statistical Institute North-East Centre, Punioni, PO Solmara, Tezpur - 784501, Assam; Res. C2201, Emami Tejomaya, Old Mahablipuram Road (OMR), Egattur, Chennai – 600130; Tel. 08778692645(M); Email: b.ramki61@gmail.com; ramki@isine. ac.in; Sp. Number Theory

Council: Tr. 2016-19

2021 BALANI, Kantesh (b. 1978) PhD, FNAE, Professor, Dept. of Materials Science & Engineering, Head, Advanced Centre for Materials Science, IIT Kanpur, Kanpur - 208016; Res. House 478, Type IV Qtrs, Lane 31 IIT Kanpur, Kanpur - 208016 Tel. (0512) 2596194(O), 2598711(R), 09198228798(M); Email: kbalani@iitk.ac.in; kbalani@gmail.com; Sp. Surface and Coatings/Biomaterials/Ultra High Temperature Ceramics.

BALARAM, Padmanabhan (b. 1949) PhD, FNA, FASc, FTWAS, Former Director, Indian Institute of Science, Bangalore and DST Year of Science Chair Professor, NCBS, TIFR, Bangalore – 560065; Res. D102, R.V. Enclave, 13/15th Cross, 6th Main Road, Malleswaram, Bangalore - 560003; Tel. (080) 23340962 (R), 09945043004(M); Email: pb@iisc.ac.in; pbalaram1949@gmail.com; Sp. Bioorganic Chemistry/Molecular Biophysics.

2017 BALASINOR, Nafisa Huseni (b. 1960) PhD, Scientist F, National Institute for Research in Reproductive Health (ICMR), Parel, Mumbai - 400012; Res. 17/401 Kapadia Nagar, 198 CST Road, Kurla (West), Mumbai - 400070; Tel. (022) 24192025(O), 26527221(R), 08655266829, 09892018053(M);Fax: 24139412; Email: balasinorn@nirrh.res.in; necnirrh@hotmail.com; Sp. Reproduction/Endocrinology/Epigenetics.

BALASUBRAMANIAN, Dorairajan (b. 1939) PhD (Columbia), FNA, FASc, FTWAS, Fellow German Acad.Sci., Leopoldina; Fellow African Acad.Sci., Distinguished Scientist, L.V. Prasad Eye Institute, Road No. 2, Banjara Hills, Hyderabad - 500034; Res. Plot No. 40, Sai Enclave, Habshiguda, Hyderabad - 500007; Tel. (040) 23543652, 30612501(O), 09885019922(M); Fax: 23548271; Email: dbala@lvpei.org, dbala1939@gmail.com; Website: www.lvpei.org; Sp. Ocular Biology/ Biochemistry.

BALASUBRAMANIAN, Krishnan (b. 1962) PhD, FNAE, FISNT, FAINDT, Institute Professor, MDS 301, Departme of Mechanical Engineering, Indian Institute of Technology Madras, Chennai - 600036; Res. B-2, Lake View Road, Indian Institute of Technology Madras, Chennai - 600036; Tel. (044) 22574662 (O), 22576662(R), 09840200369(M); Fax: 22570545; Email: balas@iitm.ac.in; Sp. Acoustics and Ultrasonics/ Nondestructive Evaluation and Testing/Measurements and Imaging.

- BALASUBRAMANIAN, Kunissery Ananthasubramanian (b.1945)
  PhD,FASc, FAMS, Formerly Professor of Biochemistry, The
  Wellcome Trust Research Laboratory, Department of Gastrointestinal Sciences, Christian Medical College, Dr. Ida Scudder
  Road, Vellore 632004; Res. No. 49, Guruthoppu, II Street,
  Phase I, Sathuvachari, Vellore 632009; Tel. (0416)
  2282052(O), 2252879(R); Fax: 2282486; Email: wellcome@
  cmcvellore.ac.in, wlbalu@hotmail.com; Sp. Gastro-intestinal
  Biochemistry/Oxidative Stress and Pathophysiology.
- 1992 BALASUBRAMANIAN, Ramachandran (b.1951) PhD, FNA, FASc, Professor Emeritus, The Institute of Mathematical Sciences, Taramani, Chennai 600113; Res. 09, First Cross Street, Golden Avenue, Vijayanagar, Velachary, Chennai 600042; Tel. (044) 22591626(R), 09840017480(M); Email: balu@imsc. res.in, Website: imsc.res.in; Sp. Number Theory. Council: 2006
- 2020 BALLA, Rajakumar (b. 1971) PhD, FRSC, Professor, CYB 214, Dept. of Chemistry, Indian Institute of Technology Madras, Chennai 600036; Res. C2-5-4B Mullai Apartments, Delhi Avenue, IIT Madras, Chennai 600036; Tel. (044) 22574231(O), 22576231(R), 08300184231, 09884032682(M); Email : rajakumar@iitm.ac.in; ballarajakumar@gmail.com; Sp. Atmospheric Chemistry/Combustion Chemistry/Gas Phase Chemistry.
- 1996 BALYAN, Harindra Singh (b. 1951) PhD, FNAAS, FNA, INSA Honorary Scientist and Honorary Emeritus Professor, Department of Genetics & Plant Breeding, Ch. Charan Singh University, Meerut 250004; Res. 1/239, Rakshapuram, Mawana Road, Meerut-250001; Tel. (0121) 7963799(R), 09412515497(M); Email: hsbalyan@gmail.com; Sp. Genetics/ Plant Breeding/Crop Biotechnology.
- 1978 BAMBAH, Ram Prakash (b. 1925) PhD(Cantab), Sc.D. (Cantab), FNA, FASc, FTWAS, Professor Emeritus, Formerly Vice-Chancellor, Panjab University, Chandigarh; Res. 1275 Sector 19B, Chandigarh-160019; Tel. (0172) 2724863(R); 09417224863(M); Email : bambahrp@rediffmail.com; Sp. Number Theory/ Discrete Geometry.
  - Council: 95-98
- 1999 BAMEZAI, R.N.K. (b. 1951) PhD, FAMS, FNA, Former Professor of Genetics & Director (Coordinator), NCAHG, School of Life Sciences, JNU, New Delhi; Res. K-G01, Sector : 110A, Mahindra-Aura, Dwarka Expressway (Choma, Near Bajghera Rly Crossing New Palam Vihar Phase–3), Gurugram 122017; Tel. 09968131434(M); Email : bamezai@hotmail.com, bamezai@mail.jnu.ac.in; Sp. Genetics/Human Genetics.

BANDYOPADHYAY, Arun (b. 1963), PhD, FNA, Director, Gujarat Biotechnology University, Gandhinagar, Gujarat; Former Director, CSIR-Indian Institute of Chemical Biology, Jadavpur, Kolkata; Res. Flat No. D13A, Ideal Aquaview, Sector 5, Salt Lake City, Kolkata - 700102; Tel. (033) 40633781(R), 09433516720(M); Email : arunb2523@gmail.com; director@gbu.edu.in; Sp. Biochemistry/Physiology/ Cardiovascular Disease.

- 2019 BANDYOPADHYAY, Bijnan (b. 1956) PhD,FNAE,FIETE,FIEEE, Institute Chair Professor, Systems & Control Engineering Group, IIT Bombay, Mumbai 400076; Res. B-186, Ananta Building, IIT Bombay Campus, Powai, Mumbai 400076; Tel. (022) 25767889(O), 25724424(R), 09619877889(M); Fax: 25720057; Email: bijnan@sc.iitb.ac.in; Sp. Electronics & Telecommunication/Control Systems/Sliding Mode Control.
- 2010 BANDYOPADHYAY, Sanghamitra (b. 1968) PhD, FNA, FASc, FIEEE, FTWAS, FNAE, JC Bose National Fellow, Professor & Director, Indian Statistical Institute, 203, BT Road, Kolkata 700108; Res. 6, Dingshai Para Road, Bally, Howrah 711201; Tel. (033) 25773084(O), 26467081(R); Fax: 25783357; Email: sanghami@isical.ac.in; sanghami@gmail.com; Sp. Bioinformatics/Soft Computing/ Pattern Recognition.

Council: Mem. 2019-20

BANDYOPADHYAY, Uday (b.1964) PhD, FASc, FNA, JC Bose Fellow & Director, Bose Institute, P-1/12 CIT Scheme VII-M, Kolkata - 700054; Res. Village & Post Office - Dingalhati, Distt., Hooghly - 712404; Tel. (033) 23557434, 23559219(O), 09474003048(M);Email : director@cbose.ac.in; udayb@iicb. res.in; ubandyo\_1964@yahoo.com; Sp. Biology of Malaria

- Parasite/Apoptosis & Cell Signalling/Free Radical Biology.

  2001 BANERJEA, Akhil Chandra (b. 1956) PhD, FNA, Emeritus Scientist, National Institute of Immunoloyg, New Delhi & Former Director, Institute of Advanced Virology, Sohna Road, Trivandrum; Res. B27 GF South End Floors, Sector 49, Sobna Road, Gurgaon 122018; Tel. (011) 26703615(R), 09818717833(M); Email: akhil@nii.ac.in, akhil\_banerjea@yahoo.com; Sp. HIV-1/AIDS, Gene Therapy.
- 1979 BANERJEA, Debabrata (b.1929) PhD, DSc, FAScT, C.Chem., FRSC(Lond.), Formerly Sir Rashbehary Ghose Professor of Chemistry, Calcutta University; Res. Flat A-4/6, Iswar Chandra Nibas, 68/1, Bagmari Road, Kolkata 700054; Tel. (033) 23378681(R), 09433007899(M); Email: banerjeas2005@yahoo. co.in; Sp. Inorganic Chemistry/Coordination Chemistry/Inorganic Reaction Mechanisms.
- BANERJEE, Anjan Kumar (b. 1968) PhD, FASc, Professor, Indian Institute of Science Education & Research Pune, Dr. Homi Bhabha Road, Pune 411008, Maharashtra; Res. Flat 8, Raj Residency, Jagdish Nagar, Ganeshkhind Road, Aundh, Pune 411007, Maharashtra; Tel. (020) 25908057(O), 25691313(R), 09422314681(M); Email: akb@iiserpune.ac.in; akbiiserpune@gmail.com; Sp. Plant Developmental Biology/Plant molecular Biology/Long Distance Signaling in Plants.

1953 **BANERJEE, D.P.** DSc,FSS, Professor & Head, Mathematics Dept., Faculty of Science,Al-Fateh University,Tripoli (Libya);

- BANERJEE, Dipankar (b. 1952) PhD, FNA, FASc, FNAE, INSA Senior Scientist, Department of Materials Engineering, Indian Institute of Science, Bangalore 560012; Res. F2 Cascade Apartments, 49 Millers Road, 2<sup>nd</sup> Cross, Benson Town, Bangalore 560046;Tel. (080) 22932558(O), 08197774747(M); Email: dbanerjee@iisc.ac.in; banerjee52@gmail.com; Sp. Physical Metallurgy.
- 2020 BANERJEE, Dipankar (b. 1965) PhD, FASc, FRAS, Director, Aryabhatta Research Institute of Observational Sciences, Manora Peak, Nainital 263001, UK; Res. Director's Bungalow, Aryabhatta Research Institute of Observational Sciences, Manora Peak, Nainital-263001,UK Tel. (05942) 235136(O), 235053(R), 09448908461(M); Fax: 233439; Email: dipu@aries.res.in; Sp. Astrophysics/Solar Physics/Plasma Physics.
- 1991 **BANERJEE, Kalyan** (b. 1937) M.B.B.S.,PhD, FAMS, FNA, FASc, Formerly Director, National Institute of Virology, Pune; Res. A-1-A/5-6, Sopan Bang, Near Vrindavan Soc., NCL Road, Pashan 36, Pune-411008; Tel. 08888538970(M); Fax: (020) 25651542; Email: dr\_k\_banerjee20@yahoo.co.in; Sp.General Virology/ Immunology of Viruses/Viral Epidemiology.
- 2001 BANERJEE, Manju (b. 1938) PhD, Professor, Department of Botany, University of Calcutta; Res. 'Arpan', Block Y, Flat No.205, 58A, NC Choudhury Road, Kolkata- 700042; Tel. (033) 24151788, 09831436793(M); Email: manjubanerjee@rediffmail.com; Sp. Palaeobotany/Palaeopalynology/Biostratigraphy/Environment.
- 1980 **BANERJEE, Mihir B.** (b. 1943) PhD, Former Professor of Mathematics, HP University, Shimla; Res. C-36/45, Sector K, Aliganj, Lucknow 226024; Sp. **Hydrodynamic & Hydromagnetic Stability.**
- 2000 BANERJEE, Rabin (b. 1955) PhD, DAE Raja Ramanna Fellow, SN Bose National Centre for Basic Sciences, Block JD, Sector III, Salt Lake, Kolkata 700098; Res. CD-54, Newtown, Kolkata 700156; Tel. (033) 2335-5705 to 08(O), 09163026144(M); Fax: 23353477; Email: rabin@bose.res.in; Sp. Physics (High Energy Physics).
- BANERJĚÉ, Ránajiť Kumar (b.1944) PhD, FNA, FASc, Formerly Scientist G & Head, Dept. of Physiology, IICB, Kolkata; Res. Nature's Nest, Flat No. 1G, 140, PGH Shah Road, Kolkata-700032;Tel.(033)24130396(R),09830337787(M);Email:ranajitb @yahoo.com; Sp. Molecular Enzymology/Cell Biology.
- BANERJEE, Rintu (b. 1963) PhD, FNAAS, FBRSI, FAMI, FWAST, FICS, Professor & Head, Agricultural & Food Engineering Department, Indian Institute of Technology Kharagpur 721302; Res. B-166, IIT Campus, IIT Kharagpur, Kharagpur 721302; Tel. (03222) 283104(O), 283105(R), 09434014609, 08653102607(M); Fax : 282244; Email : rb@iitkgp.ac.in; rintuin@gmail.com; Sp. Food Biotechnology/Enzymology/Bio-Fuel and Bio-Energy.

2014 BANERJEE, Soumitro (b. 1960) PhD, FNA, FASc, FNAE, FTWAS, FIEEE, Professor, Department of Physical Sciences, Indian Institute of Science Education & Research, Mohanpur Campus, WB 741246; Res. B7/170 Kalyani, Nadia - 741235; Tel. (033) 25025380(R), 09432598503(M); Email: soumitro.banerjee@gmail.com; soumitro@iiserkol.ac.in; Sp. Nonlinear Dynamics/Chaos Theory.

- 2020 BANERJEE, Subhashish (b. 1973) PhD, Professor, Department of Physics, IIT Jodhpur, Karwar 342037, Jodhpur; Res. Chelawas House, Raikabagh, Jodhpur; Tel. (0291) 2801603(O), 09530189545(M); Email : subhashish@iitj.ac.in; Sp. Open Quantum Systems/Quantum Information and Quantum Field Theory.
- BANERJEE, Suchitra (b. 1956) PhD, NASI Senior Scientist, Formerly Chief Scientist, Plant Biotechnology Division, CSIR-Central Institute of Medicinal & Aromatic Plants, PO CIMAP, Lucknow 226015; Res. 20/15, Indira Nagar, Lucknow 226016; Tel. (0522) 2718628(O), 2351023(R), 09450911291 (M); Fax: 2342666; Email: suchitrabanerjee07@ yahoo.com; suchitrabanerjee14@gmail.com; Sp. Medicinal & Aromatic Plant Biotechnology/Cell and Tissue Engineering/ In-vitro Secondary Metabolite Production.

Council: Mem. 2019-20

- 1974 BANERJI, Krishna Dulal (b. 1926) PhD, Formerly Professor & Head, Chemistry Department, Bhagalpur University, Bhagalpur-812007; Res. Flat No. C-2, Ramoni Apartments, A/6, P.G. Survey Park, Santoshpur, Kolkata-700075; Tel. (033) 24160380(R); Email: kdb380@yahoo.com; Sp. Organic Chemistry-Particularly Synthetic Organic Chemistry.
- 2016 BANSAL, Abhey Ram (b. 1968) PhD, FIGU, Chief Scientist, Gravity and Magnetic Group, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad 50007; Res. 8-43/15/E/1, Srinivasa Colony, Uppal, Hyderabad 500039; Tel. (040) 27012810(O), 09441202544(M); Fax : 23434651; Email: abhey.bansal@gmail.com; arb@ngri.res.in; Sp. Geophysics/Fractals/Signal Processing.
- 1986 BANSAL, Jawahar Lal (b. 1935) Dr.rer.nat. (Gottingen), D.Sc., Formerly Professor, Mathematics Department, Dean, Faculty of Science & Principal Maharaja's College, University of Rajasthan, Jaipur-302 004; Res. 12, Ratnapuri, Opp. Shyam Nagar, Ajmer Road, Jaipur-302 006; Tel. (0141) 2220100(O), 2220200(R), 09929107039(M); Email: profbansal@gmail.com; Sp. Fluid Dynamics/Boundary Layer Theory/Differential Equations/Jet Flow/Tensor Analysis.
- 2009 BANSAL, Kailash Chander (b 1955) PhD, FNAAS, Secretary, National Academy of Agricultural Sciences, NASC Complex, Pusa, New Delhi 110012; Former Director, ICAR-NBPGR, New Delhi; Res. A-81, Carlton Estate 4, DLF Phase 5, Gurgaon 122003; Tel.(011) 25846051/55(O), 09999105667 (M); Email: kcbansal27@gmail.com; kcbansal2001@yahoo.com; Sp. Molecular Plant Physiology/Agri. Biotechnology/GM Crops and Crop Genetic Diversity.

1998 BANSAL, Manju (b. 1950) PhD, FNA, FASc, INSA Senior Scientist, Molecular Biophysics Unit, Indian Institute of Science, Bangalore - 560 012; Res. 103, 1st Main Road, AECS Layout, Sanjay Nagar, Bangalore - 560 094; Tel. (080) 22932534(O), 09845237560(M); Fax : 23600535, 23600683; Email : mb@iisc.ac.in; manju1972blr@gmail.com; Sp. Molecular Biophysics/ Structural & Computational Biology.

- 2010 BAPAT, Sharmila Avadhut (b. 1965) PhD, FASc, Scientist, National Centre for Cell Science, NCCS Complex, Ganeshkhind, Pune 411007; Res. 103, Revati Enclave, Bhujbal Baug, Karvenagar, Pune 411007; Tel. (020) 25708074, 25708089(O), 25454460(R); Email : sabapat@nccs.res.in; Sp. Molecular & Cell Biology.
- 2003 BAPAT, Vishwas Anant (b. 1947) PhD, FNA, NASI Honorary Scientist, Department of Biotechnology, Shivaji University, Vidyanagar, Kolhapur- 416004; Tel. (0231) 2609365(O), 09922442699, 09420775733(M); Fax: 2691533; Email: vabapat@gmail.com; Sp. Plant Sciences/Agriculture.
- BAQRI, Qaiser Husain (b.1944) PhD, D.Sc., FZSI, FNAAS, FNSI, Formerly Scientist F (Additional Director), Zoological Survey of India, Jodhpur; Res. P.O. Said Nagli, Tehsil: Hasanpur, District: Amroha 244242; Tel. (059) 24240077, 09319731160(M); Email: qaiserbaqri@gmail.com; Sp. Nematology (Taxonomy and Ecology of Plant & Soil Nematodes).
- BAQUER, Najma Zaheer (b. 1940) PhD, D.Sc., Emeritus Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi-110067; Res. 8, Eco-Options 21, Aya Nagar, Phase V, New Delhi-110047; Tel. (011) 26704501 Ext. 4501(O), 26503609(R), 09811652935(M); Fax: 26503978; Email: nzbaquer@hotmail.com; Sp. Metabolic Regulation/ Aging Brain Diabetes.
- 2016 BARANWAL, Virendra Kumar (b. 1960) PhD, FNAAS, FIVS, FIPS, ICAR-National Professor, Division of Plant Pathology, ICAR-Indian Agricultural Research Institute, Pusa, New Delhi 110012; Res. C-40, ICAR-Indian Agricultural Research Institute, Pusa, New Delhi 110012; Tel. (011) 25848418, 25843113(O), 09818756899(M); Email: vbaranwal2001@yahoo.com; Sp. Plant Pathology/Virology.
- 2018 BARIK, Saroj Kanta (b. 1965), PhD, FNA, FNAAS, Professor, Department of Botany, North-Eastern Hill University, Shillong 793022; Res. Qr. P-12, NEHU Campus, Shillong-793022; Tel. (0364) 2722216(O), (0364) 2913027(R), 09436100688, 07617001965(M); Fax: 2913027; Email: sarojkbarik@gmail. com; Sp. Ecology/Biodiversity and its Conservation/ Environmental Biotechnology.
  - Council: V.P. 2021-22
- 1998 BARMA, Mustansir (b. 1950) PhD, FNA, FASc, FTWAS, Professor Emeritus, Tata Institute of Fundamental Research, 36/P, Gopanpally Village, Serilingampally Mandal, Hyderabad 500107; Tel. (040) 20203084(O), 67768504(R); Fax: 24195041; Email: barma@tifrh.res.in; Sp.Statistical Physics.

BARSHILIA, Harish Chandra (b. 1969) PhD, FNAE, Chief Scientist & Head, Surface Engineering Division, National Aerospace Laboratories, HAL Airport Road, Kodihalli, Bangalore - 560017; Res. #22, 3rd Cross, Vaikuntam Layout, Kundalahalli, Bangalore-560037; Tel. (080) 25086248, 6247(O), 41127872(R), 09591776038(M); Fax: 5210113; Email: harish@nal.res.in; Sp. Thin Films/Surface Science/Solar Energy.

2010 BASAK, Amit (b. 1952) PhD, D.Phil.(Oxon), FASc, FNA, Dean (Faculty) and Professor, Department of Chemistry, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. A-22, IIT Kharagur Campus, Kharagpur - 721302; Tel. (03222) 283300(O), 283301(R); 09434013294(M) Fax: 282252; Email: absk@chem.iitkgp.ac.in; Sp. Organic Chemistry/ Medicinal Chemistry.

2021 BASAK, Durga (b. 1966) PhD, Senior Professor, School of Physical Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata - 700032; Res. 6C1 Cape Tower, Hiland Park, Kolkata - 700094; Tel. (033) 24734971 Extn. 1316(O), 79624540(R), 09433008508(M); Email: sspdb@iacs.res.in; durga.basak@gmail.com; Sp. Thin Films/Electrical Transport Properties/Opto-electronic Devices.

2020 BASAK, Soumen (b. 1974) PhD, FASc, Staff Scientist VI, Systems Immunology Laboratory, National Institute of Immunology, New Delhi - 110067; Res. 74 Vikramshila, IIT Delhi, Hauz Khas, New Delhi - 110016; Tel. (011) 26703853(O), 09711984483(M); Email : sobasak@nii.ac.in; sobasak@gmail.com; Sp. Cell Signaling/Immunology/Systems Biology.

2011 BASU, Anirban (b. 1968) PhD, FNA, FASc, Fellow, American Academy of Microbiology, Scientist VII, National Brain Research Centre, Manesar, Haryana-122052; Res. 202B, NBRC Campus, Manesar, Haryana-122052; Tel. (0124) 2845225(O); Email: anirban.nbrc@gmail.com; Sp. Neurobiology/Neurovirology/Molecular Medicine/Repurposing of Drug.

2023 BASU, Anupam (b. 1957) PhD, FASc, FNAE, FAScT, FAAIA, Raja Ramanna Chair Professor, Jadavpur University; Distinguished Hon. Professor, Sister Nivedita University, Kolkata; Res. 82/D Ibrahimpur Road, Kolkata - 700032; Tel. 08335881836(M); Email : anupambas@gmail.com; Sp. Al and Language Processing/Embedded Systems/Popularization of Science.

2008 BASU, Ayanendranath (b. 1962) PhD(Penn.State), Professor, Bayesian and Interdisciplinary Research Unit, Indian Statistical Institute, 203 B.T. Road, Kolkata - 700108; Res. Flat 4RA-6/3, Purbachal Phase II, Salt Lake, Kolkata - 700097; Tel. (033) 25752806(O), 23359630(R); Fax: 25773104; Email: ayanbasu @isical.ac.in,ayanendranath.basu@gmail.com; Sp. Parametric Statistical Inference/ Biostatistics.

2013 BASU, Bikramjit (b. 1973) PhD, Professor, Materials Research Centre, Indian Institute of Science, Bangalore - 560012; Res. HE-213, New Multistorey E-type Quarters, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22933256(O), 29735032(R); 09482570341(M); Fax : 23607316; Email : bikram@iisc.ac.in; Sp. Chemical and Material Technology, including Biomaterials Science and Biomedical Engineering and Engineering Ceramics.

1980 **BASU CHAUDHARY, K.C.** (b. 1931) Formerly Professor of Plant Pathology & Dean, Faculty of Agriculture, BHU, Varanasi; Res. PROSADPUR HOUSE, 44 Old Idgah Colony, Agra - 282001; Tel. (0562) 274376(R); Sp. **Seed/ Soil-borne Diseases.** 

- 2002 BASU, Joyoti (b.1957) PhD, FNA, FASc, FTWAS, JC Bose National Fellow, Department of Chemistry, Bose Institute, 93/1, A.P.C. Road, Kolkata 700009; Res. 1A, Madhab Chatterjee Street, Kolkata 700020; Tel. (033) 23031153, 23031144(O), 24753293(R), 09830044776(M); Fax: 23506790; Email: joyoti@jcbose.ac.in; joyotibasu@gmail.com; Sp. Cellular and Molecular Microbiology of Mycobacteria.
- 1993 BASU, Mukul Kumar (b. 1939) PhD, FRSC(Lond.), FAScT, FASc, Emeritus Scientist (CSIR), Formerly Director Grade Scientist & Head, Biomembrane Division, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata 700032; Res. "Punascha", 19/D, Dr. Rajendra Road, Kolkata 700020; Tel. (033) 24750958(R), 09831320967(M); Email: mukulkbasu @gmail.com; Sp. Host-parasite Interaction / Model Membranes/Targeted Delivery System.
- 1995 **BASU, Rathindra Narayan** (b.1937) PhD,DSc, Formerly Vice-Chancellor, Calcutta University; Res.196/F/8, Picnic Garden Road, Picnic Park, Kolkata-700039; Tel. (033) 2413288(O), 409040(R); Sp. **Plant Physiology/Seed Physiology.**Council: Mem. 97
- 1995 BASU, Samar Kumar (b. 1938) M.Tech., PhD, Formerly Scientist G, Ferm.Tech.Div., CDRI, PB No.173,Lucknow-226001; Res. MMB-1/62, Sitapur Road Yojana, Sector-B,Aliganj, Lucknow 226 020; Tel. (0522) 2224198(O), 2361261(R); Sp. Chemical Engineering/Biochemical Engineering.
- 1990 BASU, Sandip Kumar (b. 1944) PhD, FNA, FASc, FTWAS, Former JC Bose Chair Distinguished Professor, NASI; Res. FD 426, Sector 3, Bidhannagar, Kolkata 700106; Tel. 09891498821 (M); Email: sandipkbasu@gmail.com; Sp. Molecular Biology/Microbial Genetics/ Biochemistry.

Council: V.P. 97-98 G.S. 93-96 Mem. 92, 99-2000

- 2015 BASU, Suddhasatwa (b. 1963) PhD, FNAE, FRSC, FICS, FIE, FIPI, Chair Professor, Department of Chemical Engineering, IIT Delhi, New Delhi 110016; Former Director, CSIR-IMMT and Former Director, CSIR-CIMFR; Email : sbasu@iitd.ac.in; sbasu@immt.res.in; drsbasu@gmail.com; Tel. (011) 26591035(O), 07838134181(M); Sp. Energy Materials, Rechargeable Battery, Hydrogen Energy & Fuel Cells, Water Splitting & CO<sub>2</sub> Conversion, Electro-synthesis.
- BASU, Sulagna (b. 1970) PhD, FAScT, Scientist F, Division of Bacteriology, ICMR-National Institute of Cholera and Enteric Diseases, P33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010; Res. F-8, Anandalok Housing, VIP Road, Kankurgachi, Kolkata 700054; Tel. (033) 23537470, 23537469(O), 23559201(R), 09831709144(M); Fax: 23632398, 23705066; Email: basus.niced@gov.in; sulagnabasu@gmail.com; Sp. Antimicrobial Resistance/Neonatal Sepsis/Bacteriology.

2004 BASU, Uma (b. 1949) PhD, Formerly Professor, Dept. of Applied Mathematics, University of Calcutta, 92, APC Road, Kolkata; Res. 26 C, Dr. Biresh Guha Street, Kolkata - 700017; Tel. 09339757666, 08777572702(R); Email: basuuma1@rediffmail. com; umabasu49@gmail.com; Sp. Fluid Mechanics/Dynamical Oceanography/Dynamical Meteorology, Wavelets.

2022 **BATISH, Daizy Rani** (b. 1961) PhD, FISEB, Professor, Department of Botany, Panjab University, Chandigarh - 160014; Res. House No. 3706, Sector 32 D, Chandigarh; Tel. (0172) 2534005(O), 09815603706(M); Email: daizybatish@yahoo.com; Sp. **Weed Ecology/Chemical Ecology/Environment Science.** 

1997 BATRA, Janendra Kumar (b.1957) PhD, FASc, FNA, INSA Senior Scientist, ICMR-National Institute of Pathology, Safdarjung Hospital Campus, New Delhi - 110029; Res. E130, SF Greater Kailash III, New Delhi - 110048; Tel. 09871499411(M); Email: jkbatra@gmail.com; jkbatra@yahoo.com; Sp. Molecular Biology/Biochemistry.

BATRA, Punita (b. 1970) PhD, Professor (H), Harish-Chandra Research Institute, Chhatnag Road, Jhusi, Prayagraj - 211019; Res. Harish-Chandra Research Institute Colony. Chhatnag Road, Jhusi, Prayagraj - 211019; Tel. (0532) 2274376(O), 2274047(R), 07497965222(M); Email : batra@hri.res.in; Sp. Representation Theory of Infinite Dimensional Lie Algebras.

2016 BATRA, Sanjay (b. 1965) PhD, FRSC, Senior Principal Scientist, Medicinal & Process Chemistry Division, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Ext., Sitapur Road, Lucknow - 226031; Res. B-1/63 Sector G, Aliganj, Lucknow - 226024; Tel. (0522) 2772450, 2772550 Xtn.4727(O), 2326182(R); Fax: 2771941; Email: s\_batra@cdri.res.in; batra\_san@yahoo.co.uk; Sp. Organic Chemistry/Medicinal Chemistry.

2000 **BAVEJA, Raj** (b. 1934) MBBS,DGO,MS,PhD, Formerly Professor & Head, Obstetrics & Gynecology Dept., MLN Medical College, Prayagraj & Formerly Director, Kamala Nehru Post Graduate Institute, Prayagraj; Res. 30, A.N. Jha Marg, George Town (Near Jagat Taran Degree College), Prayagraj - 211002; Tel. (0532) 2460226(Hospital), 2468570(R); Sp. **Obstetrics and Gynecology.** 

1990 BAWA, Kamaljit S. (b. 1939) PhD,M.S., Distinguished Professor, Department of Biology, University of Massachusetts Boston, Boston, MA 02179, U.S.A. Res. 42 Bacon Road, Belmont, MA 02179, USA; Tel. (617) 2876600(O), 4893481(R); Email: kamal.bawa@umb.edu; Sp. Population Biology/Ecology/Evolution.

2005 **BELLARE, Jayesh Ramesh** (b. 1960) PhD, FNAE, FEMSI, FMAS, Institute Chair Professor, Department of Chemical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai-400076; Res. 44-1318 Adarsh Nagar MIG, Worli, Mumbai-400030; Tel. (022) 25767207(O), 09820605364(M); Fax: 25726895; Email: jb@iitb.ac.in; Sp. Cryo EM & Optical Microscopy/Nanotechnology/Biomedical Devices.

Council: Mem. 2017-18 G.S. 2022-

1980 BELSARE, Devidas Kisan Rao Former Director, Institute of National Resources and Human Environment; Res. 4K1, Samayantak, Ravinagar, P.B. 531, Bhopal - 462016; Email : General & Comparative dbelsare@yahoo.com; Sp. **Endocrinology/Environmental** Science/Comparative Biochemistry.

BERA, Jitendra Kumar (b. 1968) PhD, FASc, Professor, Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. House No. 4066, IIT Kanpur, Kanpur - 208016; Tel. (0512) 2597336(O), 2598450(R), 09956390490(M): Fax: 2597436; Email: jbera@iitk.ac.ii; Sp. 2014 OrganometallicChemistry/Catalysis/Sustainable Chemistry.

BHADRA, Rupak Kumar (b. 1960) PhD, FAScT, CSIR Emeritus Scientist; Formerly Chief Scientist & Head, Infectious Diseases & Immunology Division, CSIR-Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata - 700032; Res. 122B Ananda Palit Road, Flat 1, Kolkata - 700032; Tel. (033) 24995840(O), 09231625622, 09674663176(M); Fax: 24735197; Email: rupakbhadra@iicb.res.in; rupakbhadra622@ gmail.com; Sp. Bacterial Genetics and Gene Regulation, Stress Biology.

BHADURI, Amiya Prasad (b. 1940) PhD, Formerly Dy. Director, 1992 Medicinal Chemistry Division, CDRI, Lucknow; Res. MMB1/52, Sitapur Road Scheme, Lucknow - 226020; Tel. (0522) 2224273(O), 2361421(R); Sp. Medicinal Chemistry.

BHAGAVATULA, L.V. Prasad (b. 1969) PhD, FASc, FRSC, 2023 Director, Centre for Nano and Soft Matter Sciences, Arkavathi, Survey No.7, Shivanapura, Dasanapura Hobli, Bengaluru - 562162; Res. 120032, Sobha Elite, Nagasandra, Bangalore - 560073; Tel. (080) 29630201(O), 09422031299(M); Email : pl.bhagavatula@cens.res.in; pl.bhagavatula@ncl.res.in;

Physical Chemistry/Applied Chemistry.

BHANDARI, Ashwani Kumar (b.1957) PhD, Professor, Department 2002 of Mathematics, Panjab University, Chandigarh-160014; Res. 5/97/1, Housing Complex, Mani Majra, Chandigarh; Tel. (0172) 534506(O), 734620(R); Fax: 541132; Email: akb@pu.ac.in; Sp.

Mathematics/Algebra.

2016

1999 BHANDARI, Mahendra (b. 1945) MBBS, MS(Surg.), MCh (Urology), FAMS, Urologist & Senior Bio-Scientist, Henry Ford Hospital, 2799 West Grand Boulevard, Detroit, MI, 48202; Formerly Director, SGPGIMS & Professor of Eminence, Urology and Kidney Transplantation,. SGPGIMS, Lucknow; Tel. 1-800-436-7936(O); Email: psa\_vmu@yahoo.co.uk; Sp. Urology and Renal Transplantation.

1994 BHANDARI, Narendra (b. 1941) PhD, FNA, FASc, INSA Honorary Scientist; Res. 2, Nilima Flats, Navrangpur, Ahmedabad - 380009; Tel. (079) 26314266(O), 27912332(R), 27912332(R), 09824077890(M); Fax: 26314900; Email: nnbhandari@yahoo.

com; Sp. Nuclear Geophysics/Astrophysics.
BHANDARI, Rashna (b. 1972) PhD, Staff Scientist VII, Centre for 2023 DNA Fingerprinting and Diagnostics, Inner Ring Road, Uppal, Hyderabad - 500039; Res. Flat F3-301 Indu Aranya Pallavi Apts., GSI Post, Bandlaguda, Nagole, Hyderabad - 500068; Tel. (040) 27216118(O), 29802331(R), 09701234182(M); Email : rashna@cdfd.org.in; rashnabhandari@gmail.com; Biochemistry and Cell Biology/Eukaryotic Cell Signalling/ Mammalian Physiology.

BHARADWAJ, Dwaipayan (b. 1959) PhD, Professor, Systems Genomics Laboratory, School of Biotechnology, Jawaharlal Nehru University, Delhi-110067; Res. Flat No.763, Sagar Presidency, F-8, Sector 50, Noida; Tel. (011) 26738884(O), (0120)2486763(R); Email:db@jnu.ac.in;diabetesigib@gmail.com; Sp. Human Genetics/Epigenetics/ Bio-chemistry.

- BHARADWAJ, Mausumi (b. 1963) PhD, FAScT, Scientist G & Head, Molecular Biology Group, ICMR-National Institute of Cancer Prevention and Research, I-7, Sector 39, Noida-201301; Res. Flat No.763, Sagar Presidency, F-8, Sector 50, Noida-201301; Tel.(0120) 2446910(O), 4253256(R), 09811860996(M); Fax: 2579473; Email: mausumi.bharadwaj@gov.in; mausumi.bharadwaj@gmail.com; Sp. Disease Biology.
- 2020 BHARADWAJ, Somnath (b. 1964) PhD, Professor, Department of Physics, IIT Kharagpur, Kharagpur 721302; Res. Qr.No. A-28, IIT Kharagpur, Kharagpur 721302; Tel. (03222) 82806(O), 283807(R), 09434040929(M); Fax : 255303; Email : somnath@phy.iitkgp.ac.in; somnathbharadwaj@gmail.com; Sp. Astrophysics/Cosmology.
- 2014 BHARATAM, Jagadeesh (b. 1964) PhD, Chief Scientist, Centre for NMR & Structural Chemistry, CSIR-Indian Institute of Chemical Technology, Hyderabad 500007; Res. 201, Meenakshi Arcade, Kartikeya Nagar, Nacharam, Hyderabad 500076; Tel. (040) 27193976(O), 27191601(O), 09866121601(M); Email: bj@iict.res.in; jagadeesh.bharatam@gmail.com; Sp. Chemical Sciences Magnetic Resonance.
- BHARDWAJ, Anil (b. 1967) PhD, FNA, FASc, FIGU, FKASc, FGSA, FASSI, JC Bose National Fellow, Director, Physical Research Laboratory, Navrangpura, Ahmedabad 380009; Res. PRL Director Bungalow, Near Physical Research Laboratory, Navrangpura, Ahmedabad 380009; Tel. (079) 26314855, 26314854(O), 26301527(R), 09947149290(M); Fax: (070) 26300374; Email : bhardwaj\_spl@yahoo.com; abhardwaj@prl.res.in; Sp. Planetary and Space Science/Multi-wavelength Observations/Solar System Exploration.

Council : Mem. 2022-23

2007 BHARGAVA, Balram (b. 1961) MBBS, MD, DM, FACC, FAHA, FAMS, President, NASI; Former Secretary, GoI, Department of Health Research & DG, ICMR; Professor of Cardiology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 110029; Res. 434, Asiad Village, New Delhi; Tel. (011) 26588204(O), 41750574(R); Fax: 26588662; Email : balrambhargava@yahoo.com; balrambhargava@gmail.com; Sp. Medicine/Cardiology.

Council: Pres. 2023- F.S. 2011-12 Mem. 2018-19

BHARGAVA, Purnima (b. 1955) PhD, FASc., Former Emeritus Scientist & Chief Scientist, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad; Res. A-12/3, Kakatiya Nagar, Habshiguda, Hyderabad-500007; Tel. 09502108765 (M); Email: purnima@ccmb.res.in; purnimabhargava2@gmail.com; Sp. Biochemistry and Molecular Biology/Eukaryotic Gene Regulation/Chromatin and Epigenetics.

BHARGAVA, Sneh (b. 1930) MD,FAMS, Professor Emeritus and Formerly Director, AIIMS, New Delhi; Res. A-103, New Friends Colony, New Delhi- 110 065; Tel. (011) 26847706, 09811110435(M); Email: drsneh.bhargava@gmail.com; Sp. Radio-diagnosis/MedicalEducation/Hospital Administration. Council: Mem. 90-91,2008-09 V.P. 2013-14

- 1999 BHARGAVA, Srinivasamurthy (b. 1940) B.E., M.S.(USA), PhD(USA), Formerly Professor & Head of Mathematics Department, University of Mysore, Mysore; Res. 5, Second Stage, Gangotri Layout, Sahukar Channayya Road, Mysore 570009; Tel. (0821) 2544076(R), 09880692580(M); Email: srinivasamurthyb@yahoo.com, sribhargava@hotmail.com; Sp. Works of Srinivasa Ramanujan/Complex Function Theory/Optimization and Control Theory.
- BHARGAVA, Suresh Chandra (b. 1936) D.Sc.(Holland), FNAAS, FIAC, Formerly Professor and Head, Division of Plant Physiology, Indian Agril. Research Instt., New Delhi; Res. Block N-19D, SFS Flats, Saket, New Delhi 110017; Tel. (011) 29563303, 29561579(R), 09810996714(M); Email : scbhargava2004@yahoo.co.in; Sp. Plant Physiology/Crop Physiology/ Physiology of Flowering.
- BHARGAVA, Vinod Kumar (b. 1939) MBBS, MD, PhD(Lond.), FAMS, FINS, FIPS, FNA, Professor & Head, Department of Pharmacology, P.G.I.M.E.R., Chandigarh 160012; Director, Medical Education and Principal I.G. Medical College, Shimla; Res. 79, Sector 24-A, Chandigarh 160023; Tel. (0172) 747585 Ext.279/323(O), 710487(R); Fax: 745078, 744401; Email: bhargavavk@hotmail.com; bhargavavinod@yahoo.co.in; Sp. Pharmacology/Medical Education.
- 2011 BHASIKUTTAN, Achikanath Chirakkara (b. 1967) PhD, Scientific Officer (H), Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbay 400085; Res. 17-C, Annapurna, Anushaktinagar, Mumbai 400094; Tel. (022) 25593866(O), 25569453(R), 09969620429(M); Fax: 25505151; Email : bkac@barc.gov.in; Sp. Photochemistry, Time Resolved Absorption & Fluorescence Spectroscopy, Supra & Bio-Molecular Assemblies.
- 2010 BHASIN, Kuldip Kumar (b. 1950) PhD, NASI Senior Scientist and Professor Emeritus, Department of Chemistry & CAS in Chemistry, Panjab University, Chandigarh; Res. 1654, Sector 49-B, Pushpac Complex, Chandigarh; Tel. (0172) 2534407(0), 3550942(R), 09779924966(M); Email: kkbhasin@pu.ac.in; kkbhasin1950@yahoo.co.in; Sp. Inorganic and Organometallic Chemistry.
- BHASKARAN, Prasad Kumar (b. 1970) PhD,FOSI, Professor, Dept. of Ocean Engineering and Naval Architecture, Indian Institute of Technology Kharagpur, Kharagpur 721302; Res. B-267, Near DAV Model School, IIT Kharagpur Campus, Kharagpur 721302; Tel. (03222) 283772(O), 283773(R), 09932978842(M); Fax: 255303; Email: pkbhaskaran@naval. iitkgp.ac.in; prasad.bhaskaran@gmail.com; Sp. Physical & Dynamical Oceanography/Tropical Cyclones/Climate Science.

BHAT, Badekkila Venkatramana Rajarama (b. 1966) PhD, FNA, FASc, Professor, Stat-Math Unit, Indian Statistical Institute, RV College Post, Bangalore - 560059; Res. B-4, Indian Statistical Institute, RV College Post, Bangalore - 560059; Tel. (080) 26985470(O), 26985504(R), 09844221578(M); Fax: 28484265; Email: bhat@isibang.ac.in; bvrajaramabhat@gmail.com; Sp. Quantum Probability/Operator Algebras/Operator Theory.

BHAT, Manoj Kumar (b. 1962) PhD, DBT Distinguished Scientist & Former Director, National Centre for Cell Science, NCCS Complex, Pune University Campus, Ganeshkhind, Pune 411007; Tel. (020) 25708066(O), 09422364566, 09284670899 (M); Email: manojkbhat@nccs.res.in, manojkbhat@yahoo.com; Sp. Cell Biology/Cancer Biology/Metabolic Disorders.

BHAT, Navakanta (b. 1968) PhD, FĬĚEE, FNAE, FNA, Dean, Div.of Interdisciplinary, Professor, Centre for Nano Science & Engineering, Indian Institute of Science, Bangalore - 560012; Res. H.No.E-35, New Housing Colony, IISc Campus, Bangalore-560012; Tel. (080) 22933312, 22932478(O), 23602680(R), 09448472680(M); Fax: 23606475; Email: navakant@iisc.ac.in; navakant@gmail.com; Sp.

Nanotechnology/Biosensors/Gas Sensors.

BHAT, Subray Venkatraman (b. 1945) PhD, FASc, FNA, INSA Honorary Scientist, Department of Physics, Indian Institute of Science, Bangalore - 560012; Res. #132, 8<sup>th</sup> Cross, 3<sup>rd</sup> Main, RMV 2<sup>nd</sup> Stage, Bangalore - 560094; Tel. (080) 22932727(O), 23410312(R), 09845557534(M); Fax: 23602602 Email: svbhat @iisc.ac.in; svbhat1@gmail.com; Sp. Condensed Matter Physics/EPR/NMR.

BHATIA, Chittranjan (b. 1936) PhD, FNA, FASc, FNAAS, FTWAS, Former Secretary, Govt. of India, Department of Biotechnology, Ministry of Science & Technology; Res. 17, Rohini, Plot No. 29-30, Sector 9-A, Vashi, Navi Mumbai - 400703; Tel. (022) 27655178(R), 09820502810(M); Email: crbhatia.bhatia@gmail. com; Sp. Genetics & Plant Breeding/Biotechnology/Agriculture.

Award : Prof. R.N. Tandon's 90th Birthday Lecture Award-Nat.Acad.Sci. India (1993).

BHATIA, Prem Kumar (b. 1937) PhD, D.Sc., FIMA(U.K.), FRAS(Lond.), Formerly Professor & Head, Department of Mathematics & Statistics and Dean, Faculty of Science, Jai Narayan Vyas University, Jodhpur; Res. 116, Bhagat-Ki-Kothi Extn., New Pali Road, Jodhpur - 342 001; Tel. (0291) 2721693(R); Sp. Fluid Mechanics/Magnetohydro-dynamics/ Plasma Dynamics/Astrophysics.

2016 BHATIA, Rajendra (b. 1952) PhD, FNA, FASc, FTWAS, Professor of Mathematics, Ashoka University, Sonepat, Haryana – 131029; Res. 5092 Parker Residency, Sector 61, Sonepat – 131029; Tel. (0130) 2300754(O); Email: rajenbhatia@gmail. com; rajendra.bhatia@ashoka.edu.in; Sp. Matrix Analysis.

BHATIA, Sabhyata (b. 1964) PhD, Staff Scientist VI, National Institute of Plant Genome Research, PO Box 10531, Aruna Asaf Ali Marg, New Delhi - 110067; Res. 11/20 West Patel Nagar, New Delhi - 110008; Tel. (011) 26735159(O), 25881308(R), 09899101387(M); Fax : 26741658; Email : sabhyatabhatia@nipgr.ac.in; Sp. Plant Biotechnology/ Structural and Functional Genomics.

BHATKAR, Vijay P. (b. 1946) MD, PhD, DSc(hc), FNAE, FACM, FIEEE, Chancellor, Nalanda University, Chief-Mentor, Multiversity, 1-C, I-Space, S.No. 51 Bavdhan Off Mumbai-Bangalore Bypass, Pune - 411021; Res. 34A, Vrindavan No. 2, Cooperative Housing Society, Panchavati, Pashan Road, Pune-411008; Tel. (020) 66941800(O), 65001010(R); Email: vijaypbhatkar@gmail.com; vijaybhatkaroffice@gmail.com; Sp. Computer Science.

- BHATLA, Neerja (b. 1959) MD, FICOG, FRCOG, Professor & Head, Room No.3076, Obstetrics & Gynaecology Dept. 3RD Floor, Teaching Block, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029; Res. 62, Poorvi Marg, Vasant Vihar, New Delhi 110057; Tel. (011) 26593221, 26594991(O), 26142966(R), 09810081282(M); Fax: 26588641, 26588663; Email: neerja.bhatla07@gmail.com; neerja.bhatla07@aiims.edu; Sp. Gynaecologic Oncology/Preventive Oncology/High Risk Pregnancy.
- 2005 BHATLA, Satish Chander (b. 1955) PhD, Former Professor, Dept. of Botany, University of Delhi, North Campus, Delhi 110007; Res. 545A, Adani Samsara, Sector 60, Gurugram 122101, Haryana; Tel. (011) 27666744(O), 27667736(R), 09818737090(M); Fax: 27666744; Email: scbhatla@hotmail. com; bhatlasc@gmail.com; Sp. Plant Physiology and Biochemistry/Plant Growth and Development.
- BHATNAGAR, Anil K. (b. 1942) PhD(Maryland), FNA, FICC, F.Inst.Phys.&C.Phys. (UK), INSA Honorary Scientist, School of Physics, University of Hyderabad, Hyderabad 500046; Formerly NASI Senior Scientist & Vice-Chancellor, Pondicherry University; Tel. 09949043356(M); Email : anilb42@gmail.com, Sp. Solid State Physics/Magnetism/Low Temperature Physics/Thin Films/Materials Science.
  Council : Mem. 2005-06, 2009, 2012-13
- 2009 BHATNAGAR, Ashok Kumar (b. 1949) PhD, Professor, Department of Botany, University of Delhi, Delhi 110007; Res. JA/4B, Ashok Vihar-1, Delhi 110052; Tel. (011) 27667725 Extn.1425(O), 27431016(R), 09810376885(M); Email: akbhatnagar49@gmail.com; Sp. Reproductive Biology/ Systematics/Environmental Biology.
- 1978 BHATNAGAR, Colonel Vinod Krishna (b. 1932) V.S.M., M.V.Sc., PhD,FNAVS, Formerly Joint Director RVS, Indian Army; Colonel; Res. 108, Babar Road, New Delhi-110001; Tel. (011) 23412445(R), 09810291559, 8860305370(M); Email: col\_bhat nagar@hotmail.com; Sp. Physiology of Reproduction/High Altitude Physiology.
- 2018 BHATNAGAR, Manav (b. 1976), PhD, FNAE, FIET, FIETE, FOSI, Professor, Electrical Engineering Dept., Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016 Res. Flat No.21, Taxila Apartment, IIT Delhi Campus, Hauz Khas, New Delhi 110016; Tel. (011) 26597251(O), 26591586(R), 09911954370(M); Fax: 26596102; Email: manav@ee.iitd.ac.in; Sp. Electronics & Telecommunication/Wireless Communications.

2005 BHATNAGAR, Rakesh (b. 1951) PhD, FNA, FASc, National Science Chair, School of Biotechnology, Jawaharlal Nehru University, New Delhi - 110067; Res. Flat No. 301, Yamuna 6 Sector D6, Vasant Kunj, New Delhi - 110070; Tel. (011) 26704715(Lab), 26132566(R), 09971152004(M); Email : nationalsciencechair@jnu.ac.in; rakeshbhatnagar@jnu.ac.in, Sp. Molecular Biology of Infectious Diseases/Vaccine Development/Bioinsecticides.

Council: Mem. 2020-21

BHATNAGAR, Shalabh (b. 1968) PhD, FNA, FASc, FNAE, FIETE, JC Bose National Fellow and Professor, Department of Computer Science and Automation, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22932987(O), 23518822(R), 09886762402(M); Fax: 23602911; Email: shalabh@iisc.ac.in; Sp. Stochastic Approximation Algorithms/Reinforcement Learning/Stochastic Optimization.

1965 **BHATNAGAR, Shanti Swaroop** (b. 1921) PhD(Toronto), Flat No. 419, Janki Apartments, Plot 7, Sector 22, Dwarika, New Delhi - 110075; Tel. 09871750931(M); Sp. **Raman Spectroscopy.** 

2007 BHATNAGAR, Shinjini (b. 1960) PhD, Professor of Eminence, Head-Maternal & Child Health, Translational Health Science & Technology Institute (THSTI), NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurgaon Expressway, PB #04, Faridabad - 121001; Res. 269, Sector 15A, Noida - 201301, UP; Tel. (0129) 2876351(O), (0120) 4344552(R); Email: shinjini.bhatnagar@gmail.com, shinjini.bhatnagar@thsti.res.in; Sp. Pediatrics/Pediatric Gastroenterology.

BHATNAGAR, Surendra Prasad (b. 1941) PhD, CChem(Lond), FRSC, President (Fine Chem.Div.), Chemicals & Plastics India Ltd & Director, Drachem Speciality Chemical Ltd., A-203, Blue Cross Chambers, Infantry Road Cross, Bangalore-560 001; Res. No. 35, Brentwood Apts, 1 Floor, 2nd Main, Defence Colony, Indiranagar, Bangalore - 560038; Tel. (080) 25283864, Email:surendra@blr.vsnl.net.in; Sp. Organic Chemistry/Industrial Chemistry/Bio-Organic Chemistry /Science Management.

BHATNAGAR, Veereshwar (b. 1953) MBBS, MS, MCh, FAIS, FIMSA, FAMS, FIAPS, FSPU, Advisor MRU & CRL, ESIC Medical College, Faridabad, Haryana; Former Professor & Head of Paediatric Surgery, AllMS, New Delhi; Res. 269, Sector 15A, Noida - 201301; Tel. (0120) 4344552(R), 09717821972(M); Email : veereshwarb@hotmail.com; veereshwar.bhatnagar@gmail.com; Sp. Paediatric Surgery/Paediatric Urology/Paediatric Hepato-Biliary-Pancreatic Surgery.

BHATTACHARJEE, Jayanta Kumar (b.1952) PhD(Maryland), FASc, Department of Theoretical Physics, Indian Association for the Cultivation of Science, Jadavpur, Kolkata – 700032; Former Professor & Director, Harish-Chandra Research Institute, Prayagraj; Res. 38 B, Charu Chandra Avenue, Tollygunge, Kolkata – 700033; Tel. 09830747103, 09674637103(M); Email: jayanta.bhattacharjee@gmail.com; Sp. Critical Phenomena/Turbulence/ Nonlinear Dynamics.

Council: V.P. 2015-16

2005 BHATTACHARYA, Bhargab B. (b. 1953) PhD, FNAE, Professor of Computer Science & Engineering, ACM Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata - 700108; Res. HB-12, Flat - 4, Salt Lake, Kolkata - 700106; Tel. (033) 25753003(O), 23585858(R); Fax: 25773035; Email: bhargab.bhatta@gmail.com; bhargab@isical.ac.in; Sp. Computer Science & Engineering/ VLSI Design/Nanotechnology.

2014 BHATTACHARYA, Dipankar (b. 1959) PhD, FASc, Professor, Inter-University Centre for Astronomy & Astrophysics, Pune University Campus, Ganeshkhind, Pune - 411007; Res. 3, Akashganga, IUCAA, Pune University Campus, Ganeshkhind, Pune - 411007; Tel. (020) 25604206(O), 25604403(R), Fax: 25604699; Email: dipankar@iucaa.in; Sp. High Energy Astrophysics/Computational Astro-physics.

2002 BHATTACHARYA, Mihir Kumar (b.1954) MBBS, PhD, FWAST, FIPHA, Former Emeritus Medical Scientist, ICMR-NICED, Clinical Division, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme - XM, Beliaghata, Kolkata - 700010; Res. AA-218, Salt Lake City, Sector I, Kolkata - 700064; Tel. 09433273805(M); Email: mkbidh@gmail.com; Sp. Gastroenterology and Infectious Diseases.

BHATTACHARYA, Nirmal Kanti (b.1935) PhD, DPhil(Oxon.), FNAVSc, Formerly Head, Physiology & Pharmacology/ Physiology & Climatology, IVRI (UP), Director, Central Institute for Research on Goats, Makhdoom, P.O. Farah, Mathura -281122; Res. A-2 Vaishali Apartments, A/E-4/1 Jyangra, Kolkata - 700059; Sp. Physiology/Embryo Technology.

2019 BHATTACHARYA, Ramcharan (b. 1970) PhD, Director, ICAR-National Institute for Plant Biotechnology, Pusa Campus, New Delhi - 110012; Res. 602, Saryu Apartment, IARI, Pusa Campus, New Delhi - 110012; Tel. (011) 25842789 Ext.210(O), 09868357986(M); Fax: 25843984; Email: rcbhattacharya1@ gmail.com; Sp. Plant Molecular Biology and Agricultural Biotechnology.

BHATTACHARYA, Sabyasachi (Shobo), PhD (North Western), Distinguished Professor, Department of Condensed Matter Physics & Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai - 400005; Formerly Director, TIFR, Mumbai; Tel. (022) 22782280, 22782445(O), 09833350446(M); Email : shobo@tifr.res.in; shobobh@gmail.com

BHATTACHARYA, Samir (b. 1942) PhD, FNA, FASc, Formerly NASI Senior Scientist, Centre of Advance Studies in Zoology, School of Life Sciences, Visva Bharati Santiniketan - 731235; and North-East Institute of Science and Technology (CSIR), Jorhat-785006; Formerly Director, Indian Institute of Chemical Biology (CSIR), Kolkata; Tel. (03463) 261268, 261176(O), (03463) 262838(R); 09433145002(M); Fax: 261176; Email: bhattacharyasa@gmail.com; Sp. Comparative Endocrinology & Molecular Signaling.

Council: Mem. 2004, 2009-10

2011 BHATTACHARYA, Shailja (b. 1956) PhD, Formerly Chief Scientist & Head, Division of Parasitology, Central Drug Research Institute, Lucknow - 226031; Res. Flat No. 405, Gyan Ganga Apartments, 179 Faizabad Road, Lucknow - 226007; Tel. 09415010721(M); Email : shailja\_cdri@rediffmail.com; shailjacdri@yahoo.com; Sp. Parasitology/Experimental Filariasis/Antifilarial Drug Discovery/Discovery of Antifilarial Drug/Vaccine Targets/Immunomodulation.

1994 BHATTACHARYA, Shelley (b. 1946) PhD, FAScT(WB), MOWSDW, Formerly NASI Honorary Scientist & NASI Senior Scientist, Department of Zoology, Visva Bharati (A Central University), Santiniketan - 731235; Res. Prantik Paschim Para, Santiniketan-731235; Tel. 09232374161(M); Email: shelleyb38 @gmail.com; Sp. Mechanistic, Cellular and Environmental Toxicology.

Council: Mem. 2011-12

2005 BHATTACHARYA, Sourendra Kumar (b. 1948) PhD,FASc, Former Visiting Professor, Academia Sinica, Taiwan; Res. 406, Shri Raj Apartments, Vastrapur, Ahmedabad – 380015; Tel. 09650663584(M); Email: skbhatta1@gmail.com; Sp. Stable Isotope Geochemistry/Isotope Ratio Mass Spectrometry/Palaeoclimatology.

2008 BHATTACHARYA, Sudha (b. 1952) PhD, FASc, FNA, INSA Senior Scientist, Ashoka University, PO Raj, Sonipat - 131029, Haryana; Formerly JC Bose Fellow & Professor, JNU New Delhi; Res.1123, Sector B-I,Vasant Kunj,New Delhi-110070; Tel. 09818476740(M); Email: sbjnu110@gmail.com; Sp. Molecular Biology/Molecular Parasitology/Rare Genetic Diseases.

1997 BHATTACHARYA, Sujit Kumar (b.1950) MBBS, MD, FNA, FAMS, Formerly NASI Senior Scientist; Formerly Additional Director General, ICMR, New Delhi; Res. G-2, Cluster VIII, Purbachal, Salt Lake, Kolkata - 700097; Tel. (033) 23356566(R), 08697462003(M); Email: sujitkbhattacharya@yahoo.com; Sp. Diarrhoeal Diseases/Leishmaniasis/ HIV/AIDS.

2018 BHATTACHARYYA, Aninda Jiban (b. 1968), PhD, FASc, FNA, Professor, JC Bose Fellow, Interdisciplinary Centre for Energy Research and Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru - 560012; Tel. 09900269068(M); Email: anindajb@iisc.ac.in; Sp. Physical Chemistry/Materials Chemistry/Energy.

2004 BHATTACHARYYA, Archana (b. 1948) PhD (Northwestern), FASc, FNA, INSA Honorary Scientist, Indian Institute of Geomagnetism, New Panvel, Navi Mumbai – 410218; Res. 303, Mohnesh 3, Sector 21, Nerul, Navi Mumbai - 400706; Tel. (022) 27484147(O), 09619543004(M); Email: archana.bhattacharyya @gmail.com; Sp. Ionospheric Physics/ Geomagnetism/Space Weather.

BHATTACHARYYA, Gautam (b. 1966) PhD, FNA, FASc, Director, Saha Institute of Nuclear Physics, 1/AF Bidhan Nagar, Kolkata - 700064; Res. 2/58 (2nd Floor), Naktala, Kolkata - 700047;Tel.(033) 23375345-49(O), 24996314(R), 09433028531 (M); Fax: 23374637; Email: gautam. bhattacharyya@saha. ac.in; gautam.sinp@gmail.com; Sp. Particle Physics/Phenomenology.

2007 BHATTACHARYYA, Kankan (b. 1954) PhD,FASc,FNA,FTWAS, Visiting Professor, Department of Chemistry, Indian Institute of Science Education & Research, Bypass Road, Bhauri, Bhopal – 462066; Tel. (0755) 6691345(O), 09433071155(M); Fax: 6692392; Email: kankan@iiserb.ac.in; kankan.bhattacharyya@gmail.com; Sp. Physical Chemistry/Ultrafast Lasers/Organized Assemblies.

2019 BHATTACHARYYA, Somnath (b. 1962) PhD, Professor (HAG)
Department of Mathematics, Indian Institute of Technology
Kharagpur, Kharagpur - 721302; Res. IIT Kharagpur Campus,
A-128, Block 6, Kharagpur - 721302; Tel. (03222) 283640(O),
283641(R), 09434758966(M); Fax: 255303; Email:
somnath@maths.iitkgp.ac.in; Sp. Applied Mathematics/
Computational Fluid Dynamics/ Microfluidics Modeling.

2015 **BHATTACHARYYA, Souvik** (b. 1959) PhD, FNAE, FWAST, Šenior Vice President, TCG CREST, Kolkata; Former Vice Chancellor, BITS, Pilani & Jadavpur University; Res. T8/F11/G1 Eastern High, Newtown, Kolkata – 700156; Tel. 09836833100(M) Email: souvik.iit@gmail.com;

BHATTACHARYYA, Sriman Kumar (b. 1957) PhD, FNAE, FIASE, FIE(I), Vice Chancellor, Shiv Nadar University Chennai, Rajiv Gandhi Salai (OMR), Kalavakkam - 603110, TN; Res. Block A, Staff Quarters, SSN College Campus, Kalavakkam - 603110, TN; Tel. (044) 35069780(O), 35571200(R), 09411100666, 09932575122(M); Email : vc@snuchennai.edu.in; bsri@civil.iitkgp.ac.in; Sp. Sustainable Materials/Fluid-Structure Interactions/ Structural Retrofitting and Rehabilitition.

2017 BHATTACHARYYA, Suvendra Nath (b. 1975) PhD,FNA, FASc,FAScT, Senior Principal Scientist & Head, Molecular Genetics Division, CSIR-Indian Institute of Chemical Biology, Kolkata - 700032; Res. 23, Janukinath Bose Road, Harinavi, 24 Parganas (S) - 700148, WB; Tel. (033) 24995783(O), 24279515(R), 09831633460(M); Fax: 24735197; Email: suvendra@iicb.res.in, sb@csiriicb.in; Sp. Molecular Cell Biology/RNA Biology.

2021 BHATTACHARYYA, Tirthankar (b. 1968) PhD, FASc, FNA, Professor, Department of Mathematics, Indian Institute of Science, Bangalore - 560012; Res. HE 321, HE Quarters, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22932710(O), 09448279673(M); Email: tirtha@iisc.ac.in; Sp. The Theory of Operators on Hilbert Spaces/Analysis of Several Complex Variables.

1990 BHAWALKAR, Dİlip Devidas (b. 1940) PhD,FNA, FASc, Director, Quantalase Enterprises Pvt. Ltd.; Res. 26, Paramanu Nagar, Indore - 452013; Tel. (0731) 2320031(R), 09303237573(M); Email : ddbhawalkar@yahoo.com; Sp. Lasers/Non-Linear Optics.

BHOJWANI, Sant Saran (b. 1940) PhD, Co-ordinator, Distance Education Programme and Technical and Financial Adviser, RSS Agriculture Farm, Dayalbagh; Formerly Director, Dayalbagh Educational Institute, Agra; Res. 3/43 Prem Nagar, Dayalbagh, Agra - 282005; Tel. 09837308578(M); Email: bhojwani1940@gmail.com; Sp. Plant Tissue Culture/Reproductive Biology of Flowering Plants/Plant Growth and Development.

2006 **BHOSLE, Ushadevi Narendra** (b. 1949) PhD, FASc, FNA, INSA Senior Scientist, ISI Bangalore; Former Senior Professor of Mathematics, TIFR, Mumbai; Res. 256, Jal Vayu Towers, NGEF Layout, Bennigannahalli, Benguluru – 560038; Email: usnabh07@gmail.com; usha@math.tifr.res.in; Tel. 8861696296 (M); Sp. **Algebraic Geometry.** 

- 2002 BHOWMIK, Ranjan Kumar, (b. 1947) PhD(Maryland), Former Senior Scientist (H), Inter University Accelerator Centre, New Delhi; Res. 45C Maharaja Tagore Road, Dhakuria, Kolkata 700031, WB; Tel. (033) 24734978(R), 09831921308(M); Email: ranjanbhowmik@gmail.com; Sp. Nuclear Physics/Electronic Instrumentation.
- 2001 BHUSHAN, Ravi (b. 1953) PhD, CChem FRSC, Former Professor, Department of Chemistry, IIT Roorkee, Roorkee 247667; Res. C-502 Dwarika Aptts., Opp. Garhwal Sabha, Paniala Road, Roorkee 247667; Tel. 09456379979(M); Email: rbushfcy@iitr.ac.in, rbushfcy54@gmail.com; Sp. Organic Chemistry/Proteins/Liquid Chromatography, Enantiomeric Resolution.
- BHUYAN, Mantu (b. 1970) PhD, FRES(London), Senior Principal Scientist, Agrotechnology & Rural Development Division, CSIR-North East Institute of Science & Technology, Jorhat 785006, Assam; Res. Quarter No. E5, NEIST (RRL) Colony, PO RRL Jorhat, Dist. Jorhat 785006, Assam; Tel. 09435350172, 07002766066(M); Email : mantubhuyan@gmail.com; mantubhuyan@neist.res.in; Sp. Entomology/Biodiversity Conservation/Bioprospecting.
- 1989 **BIJLANI**, **Veena** (b. 1933) M.B.B.S.,M.S.,PhD,FAMS, Formerly Professor & Head, Department of Anatomy, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029; Res. 1, Sadhna Enclave, Panchsheel Park, New Delhi-110 017; Tel. (011) 26463271(R); Sp. **Neuroanatomy/Developmental Neurobiology.**
- BISEN, Prakash Singh (b. 1948) PhD, DSc, FBS, FPSI, Honorary Emeritus Professor, School of Studies in Biotechnology, Jiwaji University, Gwalior, MP; Res. C-32, MK City, Elixir, Sirol Road, Gwalior 474010; Tel. (0751) 340279(O), 323259(R); Email: psbisen@gmail.com; prakash\_bisen@hotmail.com; Sp. Microbiology and Biotechnology.
- 2020 BISHT, Naveen Chandra (b. 1978) PhD, FASc, FNAAS, Scientist V, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067; Res. H-IV(S), 102, NIPGR, Aruna Asaf Ali Marg, New Delhi 110067; Tel. (011) 26735183(O), 26735216(R), 08800840839(M); Fax: 26741658; Email: ncbisht@nipgr.ac.in; ncbisht@gmail.com; Sp. Plant Secondary Metabolism/Plant G-proteins Signaling/Plant Molecular Biology and Biotechnology.
- 2006 BISWAL, Basanti (b. 1952) PhD, D.Sc., Formerly Professor of Biotechnology, Emeritus Scientist, CSIR, School of Life Sciences, Sambalpur University, Jyotivihar- 768019; Res. Biology Enclave, Basant Vihar, Jyotivihar 768019; Tel. (0663) 2432060(O), 2430246(R), 09937251246(M); Fax: 2430158; Email: basanti\_b@hotmail.com; Sp. Photobiology/Molecular Biology/Developmental Biology.

2003 BISWAL, Udaya Chand (b. 1945) PhD, Formerly Professor & Ex Vice-Chanceller, Sambalpur University, Jyotivihar; Res. Biology Enclave, Basant Vihar, Jyotivihar - 768019; Tel. (0663) 2430246(R), 094370-51246 (M); Email: biswaluc@yahoo.co.in; Sp. Photosynthesis/ Leaf Senescence/Plant Photoreceptors.

- 2023 BISWAS, Debabrata (b. 1974) PhD, Senior Principal Scientist & HOD, Molecular Genetics Division, CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Kolkata 700032; Res. Flat-A/B-2, 2nd Floor, Urban Regency, 443(330), Purbalok, Kalikapur, Kolkata 700099; Tel. (033) 24995852(O), 09734963848, 06289618780(M); Email : dbiswas@iicb.res.in; Sp. Biochemistry/Molecular Biology/Gene Expression in Eukaryotes.
- 2007 **BISWAS, Gautam** (b. 1956) PhD, FNA, FASc, FNAE, FASME, FIE, Professor & JC Bose National Fellow, Indian Institute of Technology Kanpur, Kanpur 208016; Former Director, IIT Guwahati & CSIR-CMERI, Durgapur; Tel. (0512) 2597656(O), 08811086524(M); Fax: 2597408; Email: gtm@iitk.ac.in; Sp. Fluid Mechanics/Heat Transfer/CFD/Boiling.
- 2023 BISWAS, Ranjit (b. 1969) PhD, Senior Professor, SN Bose National Centre for Basic Sciences, Sector III, Salt Lake, Kolkata 700106; Res. Ruchira Residency,T6,Flat 11/2 369 Purbachal, Kalitala Main Road, Kalikapur, PS Haltu, Kolkata 700078; Tel. (033) 23355706, 23351313(O), 08479892565, 09051357113 (M); Fax: 23353477, 23351364; Email: rbsnbc@gmail.com; ranjit@bose.res.in; Sp. Physical Chemistry, Theory, Experiments.
- BISWAS, Sanjib Kumar (b.1935) DSc, FGS, FGMS, Formerly Director, KDM Institute of Petroleum.Exploration, ONGC, Dehradun; Emeritus Scientist (CSIR); Flat No. 201, Ruby-C-Wing, ISM House, 818 A, Thakur Village, Kandivali (East), Mumbai 400101; Tel. (022) 28461593(R), 09820764910(M); Email : sanjibkbiswas2001@yahoo.co.in; Sp. Petroleum Geology/ Structure-Tectonics & Stratigraphy.
- 2013 **BISWAS, Somenath,** PhD, Sanjay & Rachna Pradhan Chaired Professor, Department of Computer Science & Engineering, Indian Institute of Technology Kanpur, Kanpur 208016; Res. 659, IIT Campus, IIT Kanpur, Kanpur 208016; Tel. (0512) 2597574(O), 2598714(R), 09839708760(M); Fax: 2590725; Email: sb@cse.iitk.ac.in; Sp. **Computer Science.**
- 1985 **BLOKHRA**, **Ratan Lal** (b. 1939) PhD, Formerly Professor of Physical Chemistry, Head, Chemistry Dept. & Dean of Studies, HP University; Res. 16 Jake Drive, Cream Ridge, NJ 08514, USA; Email: rlblokhra@gmail.com; Sp. **Electro-Chemistry/Thermodynamics/Membrane Transport.**
- 1978 BOISSYA, Champok Lall (b. 1937) PhD (Lond), FLS(Lond), Formerly Professor & Head, Deptt. of Botany, Gauhati University; Res. Lakhimi Path (Riverside), R.G. Baruah Road, Guwahati 781024; Tel. (0361) 528288(R); Sp. Plant Physiology/Plant Biochemistry/Medicinal Plants/Algalogy.

2009 BORKAR, Vivek Shripad (b. 1954) PhD, FNA, FASc, FNAE, FAMS, FIEEE, FTWAS, Emeritus Fellow, Department of Electrical Engineering, IIT Bombay, Powai, Mumbai - 400076; Res. VFA-4, B18, IIT Powai, Mumbai - 400076; Tel. (022) 25769405(O), 25764054(R); 09969066626(M); Email: borkar.vs@gmail.com; Sp.Stochastic Control & Optimization/ Stochastic Algorithms.

- 2005 BORUAH, Romesh Chandra (b. 1953) PhD, CSIR Emeritus Scientist, Chemical Sciences & Technology Division, North East Institute of Science & Technology, Jorhat 785006; Formerly Outstanding Scientist, & Acting Director, NEIST, Jorhat; Res. A-6, Madhurkunj Apartment, Tarajan, Jorhat 785001; Tel. 09435353744(M); Fax: 2370011; Email: rc\_boruah@yahoo. co.in: Sp. Synthetic Organic Chemistry.
- 2009 BOSE, Arup (b. 1959) PhD,FNA,FASc,FIMS(USA), Professor, Stat-Math Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata 700108; Res. Flat 4A, 242 Jodhpur Park,Kolkata-700068;Tel.(033)25753409(O), 24298922(R); 09830496250(M); Fax:25773071; Email: abose@isical.ac.in;bosearu@gmail.com; Sp. Statistics/Probability/Econometrics.
- 2003 BOSE, Indrani (b. 1951) PhD, FASc, NASI Honorary Scientist, Department of Physics, Bose Institute, 93/1, APC Road, Kolkata-700009; Res. 45A, Raja Rammoman Sarani, Kolkata-700009; Tel. (033) 23031184(O), 23523723(R), 09830606901(M); Fax: 23506790; Email: indrani@jcbose.ac.in; ibose1951@gmail.com; Sp. Theoretical Physics/Cross Disciplinary Physics.
- 1992 **BOSE, Tarit Kumar** (b. 1939) Dipl.Ing., Dr.Ing., FNASI, FAeSI, AFAIAA, Formerly Professor of Aerospace Engg., IIT Madras; Res. 1/1A Jodhpur Park, Kolkata 700068; Tel. (033) 40634057(R); Email: bose.tarit@gmail.com; Sp. **Aerospace Engg.**
- 2000 BRAHMACHARI, Samir K. (b. 1952) PhD, FNA, FASc, FNAE, FTWAS, JC Bose National Fellow, CSIR-Institute of Genomics & Integrative Biology, South Campus, Mathura Road, New Delhi- 110020; Former Director General, CSIR & Secretary to the Govt. of India, DSIR, New Delhi; Res. B-101, Karle Zenith Apartment, 100 ft Kempapura Road, Nagavara, Bangalore 560045; Tel. (011) 29879304(O), 09810443272(M); Fax: 29879111; Email: skb@igib.in; brahmacharisk@gmail.com; Sp. Biotechnology/ Structural Biology/Genome Analysis.
- 2009 BRAHMACHARI, Vani (b. 1955) PhD, FNA, Professor, Dr. B.R. Ambedkar Centre for Biomedical Research, Delhi University, Delhi 110007; Res. 101, Karle Zenith Apartments, 100 ft. Kepmpapura Road, Nagawara, Bangalore 560045; Tel. (011) 27666272(O), 09818841024(M); Fax: 27666248; Email: vani. brahmachari@gmail.com; vbrahmachari@acbr.du.ac.in; Sp. Epigenetics/ Functional Genomics/ Molecular Biology.
- 1994 BRAR, Ajaib Singh (b. 1947) PhD, Vice-Chancellor, Guru Nanak Dev University, Amritsar 143005; Tel. (0183) 2258811, 2258822(O); Fax: 2258820; Email: asbrar@chemistry. iitd.ernet.in; vcgndu@gmail.com; Sp. NMR & Polymer.

2005 **BUDHANI, Ramesh Chandra** (b. 1955) PhD,F-APS, FNA, FASc, Professor,Dept. of Physics & Centre of Laser Technology,Indian Institute of Technology Kanpur, Kanpur-208016; Tel. (0512) 2597185, 2597955(O), Fax: 259091; Email: rcb@iitk.ac.in; Sp. **Super condutivity Magnetism/Low Temperature.** 

- 2000 BUJURKE, Nagendrappa Masanappa (b. 1944) PhD, FNA, INSA Emeritus Scientist, Dept. of Mathematics, Karnatak University, Dharwad 580003; Res. 'Aditya', Plot No. 33, UCB Nagar, 1st Main, 4th Cross, Saptapur, Dharwad 580007; Tel. (0836) 2215222(O), 09448424745(M); Fax : 2747884; Email : bujurke@yahoo.com; Sp. Applied Mathematics/Fluid Dynamics/ Numerical Analysis and Wavelets/Krylov Subspace Methods'/Approximation Theory.
- 1992 **BUTI, Bimla** (b. 1933) PhD(USA), FNA, FTWAS, Director, Center for Science & Society, Ahmedabad; Former Sr. Professor, PRL, Ahmedabad; Res. 20 Swagat Mahal, Chandkheda, Ahmedabad-382424; Tel. 09825319013(M); Email: bimlabuti@gmail.com; bbuti@butifoundation.org; Sp. **Plasma Physics.**
- 2023 CHADA, Raji Reddy (b. 1973) PhD, Chief Scientist & Chair, Dept. of Organic Synthesis and Process Chemistry, CSIR-Indian Institute of Chemical Technology, Hyderabad 500007; Res. H.No.5-3/1/R/2/221, RNS Colony Boduppal, Hyderabad-500092; Tel. (040) 27191885(O), 09866940669(M); Email: rajireddy@iict.res.in; Sp. Organic Synthesis/Process Chemistry/Medicinal Chemistry.
- 2006 CHADDAH, Praveen (b. 1951) PhD,FNA,FASc, Formerly Director, UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore; Res. Flat 702, Block 24, Heritage City, MG Road, Near Metro Station, Gurgaon 122002; Tel. (0124) 4280243(R), 09630128811(M); Email: chaddah.praveen@gmail.com; Sp. Low Temperature Physics/Superconductivity.
- 1986 CHADHA, Mohindra Singh (b. 1928) PhD,FNA, Formerly Director, Biochemical Group, Bhabha Atomic Research Centre, Mumbai; Res. C-6, Beach House Apts., Gandhigram Road, Juhu, Mumbai-400049; Tel. (022) 26202596(R); 09821441121 (M); Email: chadhams@gmail.com; Sp. Organic and Bioorganic Chemistry.
- 2009 CHADHA, Rajender Kumar (b. 1955) PhD, Chief Scientist, Seismology Group, National Geophysical Research Institute, Uppal Road, Hyderabad 500007; Res. 4-200/35B, Eashwaripuri Colony, Sainikpuri, Secunderabad- 500094; Tel. (040) 27012830(O), 20089888(R), 09849378244(M); Fax: 23434651; Email: chadha@ngri.res.in; rajen0555@gmail.com; Sp. Seismology.
- 2003 CHAINY, Gagan Bihari Nityananda, (b. 1950) PhD, FZSI, Professor, Department of Zoology and Biotechnology, Utkal University, Bhubaneswar 751004; Res. 603, Sri Sudarshan Tower, Sahid Nagar, Bhubaneswar 751007; Tel. (0674) 2548713(R), 09337116660(M); Email: chainyg@gmail.com; Sp. Biochemistry/Free Radical Metabolism.

2000 CHAKRABARTI, Aloknath (b. 1943) PhD, FIMA(UK), C.Math.(UK), NASI Honorary Scientist; Formerly Professor, Department of Mathematics, Indian Institute of Science, Bangalore - 560012; Formerly NASI Senior Scientist; Res. 930/20, 7th Cross, Gokul I Stage, I Phase, Mathikere, Bangalore - 560054; Tel. (080) 22932265 Ext. 220(O), 23374526(R); Fax: 23600146; Email: alok@alumni.iisc.ac.in; aloknath.chakrabarti@gmail.com; Sp. Applied Mathematics/ Boundary Value Problems /Integral Equations.

- 2009 CHAKRABARTI, Arunaloke (b.1956) MBBS, MD, FAMS, FIDSA, FECMM, Professor & Head, Department of Medical Microbiology, PGIMER, Chandigarh, Chandigarh 160012; Res. House No. 60, Sector 24A, Chandigarh-160023; Tel. 09914208244(M); Email: arunaloke@hotmail.com; Sp. Medical Mycology.
- CHAKRABARTI, Manoj Kumar (b. 1952) PhD,FAScT, Scientist G (Director Grade) & Head, Division of Pathophysiology, National Institute of Cholera & Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010; Res. 73, Lake East 6th Road, Santoshpur, Kolkata 700075; Tel. (033) 23537470(O), 24167851(R), 09831597346(M); Fax: 23632398; Email: mkc\_niced@yahoo.co.in; Sp. Microbial Biochemistry/Immunology.
- 1981 CHAKRABARTI, Nirmal Kumar (b. 1927) D.Phil., F.P.S.E., F.W.B.A.S.T., Formerly Director, Central Research Institute of Jute and Allied Fibres (CRIJAF) (ICAR), Barrackpore; Joint Director, Central Rice Reseach Institute Cuttack (ICAR); Team Leader, Deep Water Rice, (IPM) project and Rice-fish culture (ICAR/IRRI)/ADB); Res. B-12/320, Kalyani-741235; Tel. (033) 5828963(R); Sp. Plant Pathology (Rice)-Epidemiology/Disease Resistance/Chemical Control.
- 2021 CHAKRABARTI, Oishee (b. 1975) PhD, Professor 'G', Biophysics & Structural Genomics, Saha Institute of Nuclear Physics, Sector I, Block AF, Bidhannagar, Kolkata-700064; Res. Flat No. 4G, 'Orchid Valley', Kaikhali, Sardarpara, Kolkata 700052; Tel. (033) 23375345 Ext. 4622(O), 09674335151(M); Email: oishee.chakrabarti@saha.ac.in; Sp. Molecular and Cell Biology/Neurodegeneration/Organellar Dynamics.
- 1991 CHAKRABARTI, Parul (b. 1939) PhD, Professor of Chemistry, Bose Institute, 93/1, A.P.C. Road, Kolkata 700009; Res. CJ 331, Kolkata 700091; Tel. (033) 2350-6619(O), 334-4130, 2358-2686(R); Fax 2350-6790;Sp. Membrane Biochemistry/ Biological Chemistry.
- 2006 CHAKRABARTI, Pinakpani (b. 1955) PhD,FNA,FASc, FTWAS, Raja Ramanna Fellow, Department of Biochemistry, Bose Institute, P1/12 CIT Scheme VIIM, Kolkata 700054; Res. A2, Srobona, Neelachal Abasan, 98 Rajdanga Gold Park (N), Kolkata 700107; Tel. (033) 25693253(O), 09830751009(M); Fax: 23553886; Email: pinak.chak@gmail.com; pink\_chak@yahoo.co.in; Sp. Structural Biology/Molecular Biophysics/Bioinformatics.

2010 CHAKRABARTI, Sekhar (b. 1952) PhD, FNA, Formerly Scientist G & Head, Division of Virology, NICED, Kolkata; Res. Flat B-005, VIP Enclave - II, VIP Road, Baguihati, Kolkata - 700059; Tel. (033) 25918057(R), 09831504066(M); Email : sekharchak rabarti61@gmail.com; Sp. Medical Virology/ Biotechnology.

charistic (a) 2031/8037(R), 09831304006(M), Elitair Sentiatrial artistic (a) 2031/8037(R), 09831304006(M), Elitair Sentiatrial artistic (a) 2031/80312801 (b) 1957) PhD, Professor, Department of Chemistry, University of Calcutta, 92 APC Road, Kolkata - 700009; Res. 153/2C, APC Road, Kolkata - 700006; Tel. 09433228010(M); Email : scchem1957@gmail.com; Sp. History of Science/Philosophy of Science/Popularization of Science.

2000 CHAKRABORTI, Pradip Kumar (b. 1956) PhD, FASc, FNA, INSA Senior Scientist, Department of Biotechnology, Panjab University, Chandigarh – 160014; Former Chief Scientist and JB Bose National Fellow, IMTECH; Res. House No. 1005, Sector 39 B, Chandigarh - 160036; Tel. (0172) 2534085(O), 3146698(R), 09815863975(M); Email: pradipkchakraborti@gmail.com; Sp. Molecular Biology & Biochemistry/Molecular Microbiology.

CHAKRABORTY, Chandan (b. 1965) PhD, FNAE, FIEEE, Institute Chair Professor, Dean (R&D), Professor, Department of Electrical Engineering, IIT Kharagpur, Kharagpur - 721302; Res. Qtr.No.A-13, IIT Campus, IIT Kharagpur, Kharagpur - 721302; Tel. (03222) 283096(O), 283097(R), 09733677284(M); Fax: 282262; Email: cc@ee.iitkgp.ac.in; chakraborty@ieee.org; Sp. Power Electronics/Electrical Machines/Renewable Energy.

2015 CHAKRABORTY, Mrityunjoy (b. 1961) PhD, FNAE, Professor, Department of Electronics & Electrical Communication Engineering, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. A-185, IIT Kharagpur, Kharagpur - 721302; Tel. (03222) 283512(O), 283513(R), 09434026874(M); Fax: 255303; Email: mrityun@ece.iitkgp.ac.in; Sp. Electronics and Telecommunication Engineering.

2008 CHAKRABORTY, Niranjan (b.1958) PhD, FNA, FNAAS, Professor of Eminence, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26735178(O), 26139428(R), 09873208264(M); Fax: 26741658; Email: nchakraborty@hotmail.com, nchakraborty@nipgr.ac.in; Sp. Stress Physiology/Plant Proteomics/Plant Molecular Biology.

2012 CHAKRABORTY, Partha Sarathi (b. 1973) PhD, Professor, Stat Math Unit, Indian Statistical Institute, 203 BT Road, Kolkata - 700108; Res. Gobindanagar, Baidyabati, Hooghly - 712222; Tel. (033) 25753470(O), 26325018(R); Email: parthac@imsc. res.in; parthacsarathi@yahoo. co.in; Sp. Noncommutative Geometry/Operator Algebras/ Global Analysis.

CHAKRABORTY, Subhra (b. 1964) PhD, FNA, FASc, FNAAS, Director & Professor, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067; Res. Director's Bangalow, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26742267, 26735169(O), 26735186(Lab), 26735123(R), 09971923777(M); Fax: 26741658; Email: director@nipgr.ac.in; schakraborty@nipgr.ac.in; subhrac@hotmail.com; Sp. Nutritional Genomics/Plant Immunity/Proteomics and Multiomics/Molecular Biology/Genetic Engineering.

Council: Mem. 2018-19

2009 CHAKRABORTY, Suman (b. 1973) ME, PhD, FNAE, FNA, FASc, FAPS, FRSC, FASME, Professor, Department of Mechanical Engineering, IIT Kharagpur, Kharagpur- 721302; Res. 28/9 Station Road, PO Dhakuria, Kolkata - 700031; Tel. (03222) 282990(O), 09831402939(M); Email: suman@mech.iitkgp.ac. in; sumanchakrabortyiitkgp@gmail.com; Sp. Mechanical Engineering/ Fluid Mechanics & Thermal Sciences/ Microfluidics/Nanofluidics/Technologies for Healthcare.

2017 CHAKRABORTY, Supriya (b. 1969) PhD,FNAAS, FNA, Professor, Molecular Virology Laboratory, School of Life Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. 16, Dakshina Puram, JNU Campus, New Delhi - 110067; Tel. (011) 26704153(O), 26741875(R), 09868628684(M); Fax: 26742558; Email: supriyachakrasls@yahoo.com; Sp. Plant Virology/Biology of Plant-Virus Interactions/Plant Biotechnology.

2000 CHAKRABÓRTY, Tushar Kanti (b. 1957) PhD, FNA, FASc, Professor, Department of Organic Chemistry, Indian Institute of Science, Bangalore – 560012; Former Director & JC Bose Fellow, CSIR – CDRI, Lucknow; Tel. (080) 22932215(O), 23603380(R), Fax: 23600529; Email: tusharkantichakraborty@gmail.com; tushar@iisc.ac.in; Sp. Peptides & Peptidomimetics/Organic Synthesis /Bioorganic Chemistry.

2012 CHAKRAPANI, Govind Joseph (b. 1963) PhD, Professor, Department of Earth Sciences, Indian Institute of Technology Roorkee, Roorkee - 247667; Res. 54/1, Amod Path, IIT Campus, Roorkee - 247667; Tel. (01332) 285080(O), 285548(R), 9411769309, 09411111168(M); Fax : 285638, 273560; Email : chakrapani.govind@gmail.com; gjcurfes@itr.ernet.in; Sp. Environmental Geochemistry/Water Environment/Rock-Water Interaction.

2014 CHAKRAVARTY, Runu (b. 1954) PhD, Deputy Director, ICMR Virus Unit, Kolkata, GB-4, 1st Floor, ID & BG Hospital Campus, 57, Dr. S.C. Banerjee Road, Kolkata - 700010; Res. CE 52 Sector 1, Salt Lake, Kolkata - 700064; Tel. (033) 23537425(O), 23598187(R), 09831487077(M); Fax : 23537424; Email : runugc@gmail.com; Sp. Medical Virology/Biochemistry/Molecular Epidemiology.

1959 CHAKRAVARTY, S.C. (b. 1911) PhD,D.Sc., Formerly Professor of Botany; Res. E-6/MIG 100, Arera Colony, Bhopal-14; Sp. Vernalization/Growth Hormones.

2012 CHAKRAVORTI, Sivaji (b. 1962) PhD,FNAE,FAScT,FIE(I), FIETE, Professor of Electrical Engineering, Jadavpur University, Kolkata and Former Director, National Institute of Technoloy Calicut, Kozhikode; Res. Flat No. 1E, Swati Kunj, 3/1A Paddapukur Road, Kolkata - 700092; Email: s.chakravorti@gmail.com; Sp. Condition Monitoring of High Voltage Equipment/Optimization of High Voltage System/High Voltage Fields.

2012 CHAKRAVORTTY, Dipshikha (b.1968) PhD, FNA, FASc, Professor, Department of Microbiology and Cell Biology, Indian Institute of Science, Bangalore - 560012; Res. D-209, IISc Campus, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22932842(O), 23606657(R), 09902789453(M); Fax: 23602697; Email: dipa@iisc.ac.in; chakravorttyd@gmail.com; Sp. Microbiology/Infectious Diseases/Immunology.

2006 CHAMYAL, Laxman Singh (b. 1959) PhD, FGSA, Former Professor & Head, Department of Geology, Faculty of Science, The M.S. University of Baroda, Vadodara - 390002; Res. A-102, Skyline, Sunpharma Road, Vadodara - 390012; Tel. (0265) 3561537(R), 09426721547(M); Email: Ischamyal@yahoo.com; Ischamyal@gmail.com;Sp.Quaternary Geology/Neotectonics.

2002 CHANDA, Bhabatosh (b.1957) PhD, FIETE, FNAE, FIAPR, Professor, Electronics & Communication Sciences Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata - 700108; Res. 125, Madhusudan Mukherjee Road, Khardah, 24 Pgs.(N) - 700116; Tel. (033) 25752915, 25752913, 25752909(O), Fax: 25752914; Email: chanda@isical.ac.in; Sp. Digital Image Processing/Pattern Recognition/Computer Vision.

2019 CHANDAK, Giriraj Ratan (b. 1963) MD,PhD,DNB,FAMS,FASc, FNA, FTWAS, Sir JC Bose Fellow, CSIR-Centre for Cellular & Molecuar Biology, Uppal Road, Hyderabad - 500007; Res. Indu Aranya Pallavi Apartments, Flat No.D-306, Bandlaguda, GSI Post, Nagole, Hyderabad - 500068; Tel. (040) 27192748(O), 09849084365(M); Email: chandakgrc@ccmb.res.in; chandakgrc@gmail.com; Sp. Disease Epidemiology/Human Molecular Genetics/Medical Genetics & Genetic Testing/Predictive and Preventive Health/Gene Nutrient Interactions/Human Epigenetics.

2017 CHANDRA, Amalendu (b. 1963) PhD,FASc,FNA, Professor, Department of Chemistry, Indian Institute of Technology Kanpur - 208016; Res. House No. 632, IIT Kanpur, Kanpur - 208016; Tel. (0512) 2597241(O), 2598446(R), 09415045276(M); Fax: 2596806; Email: amalen@iitk.ac.in; Sp. Statistical Mechanics of Liquids/Molecular Simulations and Modeling/Theoretical Nonlinear Spectral Studies of Liquids and Interfaces.

1974 CHANDRA, Ashoka (b. 1942) PhD(Cornell), FNAE, FIETE, FIE, Former Special Secretary, Govt. of India; Res. House No. 15, Block A, Sector 15, Noida UP- 201301; Tel. (0120) 4321642(R), 09810394959(M); Email: prof\_ashoka\_chandra@yahoo.com; Sp. Technical Education/ Solid State Physics/Electronics & Tele-communication.

CHANDRA, Hombe Gowda Sharat (b. 1938) PhD, FNA, FASc, FTWAS, Founding Society Chair, Centre for Human Genetics, Biotech Park, Electronic City Phase I, Bangalore - 560100; Res. 192, 24th B Cross, 8th Main, 3rd Block, Jayanagar, Bangalore - 560011; Tel. (080) 28521831, 28521833(O), 26639353(R); Fax: 28521832; Email: sharat@chg.res.in; sharat@iisc.ac.in; Sp. Human General Genetics/Evolution.

Award : SICO - National Academy of Sciences, India Award in Biotechnology (1992).

Council: Mem. 93

1986 CHANDRA, Naresh (b. 1934) PhD, Formerly Professor & Head of Botany & Dean, Faculty of Science, University of Rajasthan; Res. 7-N-18, Jawahar Nagar, Jaipur-302 004; Tel. (0141) 2650919(R); Sp. Plant Morphogenesis/ Biotechnology.

1994 CHANDRA, Peeyush (b. 1950) PhD, Formerly Professor, Department of Mathematics & Statistics, IIT Kanpur; Res. B 603, Vicenza Highbreeze, Kalali Link Road, Vadodara – 390012; Tel. 08076289896, 09450346471(M); Email: peeyush@iitk.ac.in; Sp. Mathematical Modelling/Biofluidmechanics.

2020 CHANDRA, Poodipeddi Sarat (b. 1968) MCh, Professor, Department of Neurosurgery, All India Institute of Medical Sciences, New Delhi - 110029; Res. Raheja Atlantis, Sector 31-32A, Gurgaon - 122002, Haryana; Tel. (011) 25646477(O), 09013605782(M); Email : saratpchandra@aiims.edu; saratpchandra3@gmail.com; Sp. Epilepsy Surgery/Complex Spine Surgery/Vascular, Minimally Invasive Surgery.

2023 CHANDRA, Poonam (b. 1975) PhD, FASc, National Radio Astronomy Observatory, 520 Edgemont Road, Charlottesville, VA, 22903, USA; Res. 520 Edgemont Road, Charlottesville, VA, 22903, USA; Tel. +1 434 296 0391(O); Email: poonam.chandra@gmail.com; Sp. Astronomy and Astrophysics/Radio Astronomy/X-Ray Astronomy.

2019 CHANDRA, Satish (b. 1962) PhD, Professor, Department of Civil Engineering, Indian Institute of Technology Roorkee, Roorkee – 247667; Former Director, CRRI, New Delhi; Tel. 09412394357 (M); Email: satisfce@gmail.com; Sp. Traffic Engineering/Highway Capacity/Highway Material Characterization.

2023 CHANDRASEKAR, Rajadurai (b. 1973) PhD, FASc, FRSC, Professor, School of Chemistry, University of Hyderabad, Prof. CR Rao Road, Hyderabad - 500046; Res. 27, Nandhan Serenity, Velimela, Hyderabad - 502300; Tel. (040) 23134824(O), 09848155581(M); Email : chandrasekar.rajadurai @gmail.com; r.chandrasekar@uohyd.ac.in; Sp. Physical, Applied Chemistry.

1996 CHANDRASEKHAR, Muthugadahalli G. (b. 1949) PhD, Director, Devas Multimedia Private Limited, 284/C, Chandra Nivas, 9th A Main, 40th Cross, 5th Blcok, Jayanagar, Bangalroe – 560041; Tel. 09980519256, 07034755284(M); Email: drchandramg@yahoo.co.in, mgc@devasmedia.com; Sp. Satellite Technology/Spacecraft Mission Planning & Operations/Earth Observation and Communication Satellites & their Appliations.

2010 CHANDRASEKHAR, Srivari (b. 1964) PhD, FASc, FNA, Secretary, Govt. of India, Department of Science & Technology, Technology Bhavan, New Mehrauli Road, New Delhi – 110016; Res. 2-2-25/P/2/A, Plot No.2, Bagh Amberpet, Amberpet, Hyderabad - 500013; Tel. (011) 26510068, 26511439(O), 09848035908(M); Email : dstsec@nic.in; srivaric@iict.res.in; srivaric@gmail. com; Sp. Natural Product Synthesis/Green Chemistry/Drug Discovery.

1979 **CHANDRASEKHARA, B.C.** (b. 1934) PhD, Formerly Professor; Res. 40/2, Khazi Street, Basavanagudi, Bangalore - 560004;Tel. 09916446650(M); Sp.**MHD/Plasma/Heat Transfer.** 

1996 CHANDRASHEKAR, K. Tavarekere (b. 1956) PhD, FASc, FNA, FTWAS, Sr. Professor, School of Chemical Sciences, National Institute of Science Education and Research, PO: Sainik School, Khorda District, Bhubaneswar – 752050; Formerly Secretary, SERB, New Delhi; Tel. 09818844936(M); Email: tkc.serb@nic.in; tkc@niser.ac.in; Sp. Inorganic/ Bioinorganic Chemistry.

Council: Mem. 2011-12

CHANDRASEKHAR, Vadapalli (b. 1958) PhD, FASc, FNA, FTWAS, Visiting Distinguished Professor, Tata Institute of Fundamental Research, 36/P, Gopanpally Village, 2007 Serilingampally Mandal, Ranga Reddy District, Hyderabad -Tel. 09415132221(M); Email : vc@iitk.ac.in; 500107; vc@tifrh.res.in; Sp. Organometallic Chemistry/ Inorganic Chemistry/Molecular Materials.

Council: Mem. 2015-16

CHAPLOT, Samrath Lal, (b. 1955) PhD, FNA, Formerly Distinguished Scientist & Director, Physics Group, Bhabha Atomic Research Centre, Mumbai - 400085; Res. Flat 904, Sai 2007 Ansh CHS Ltd., Plot 7, Sector 11, Sanpada, Navi Mumbai -400705; Tel. (022) 27759768(R); Email: chaplot@barc.gov.in; chaplot1974@gmail. com; Sp. Condens Physics/Neutron Scattering/ Lattice Dynamics. Condensed

2000 CHARY, Kandala VenkataRamana (b. 1954) PhD,FTWAS, FNA, FAPAS, FTSAS, Sir J C Bose National Fellow (DST, Gol), Director, Indian Institute of Science Education and Research Berhampur, Transit Campus, Government ITI, Berhampur, Engineering School Junction, N.H. 59, Berhampur, 760010 (Ganjam), Odisha, Tel (0680) 2227701(O), 9987260959(M); Fax 2227704; Email: director@iiserbpr.ac.in; chary@tifr.res.in; chary54@gmail.com; Website: www.tifr.res.in/~chary; Sp. Biophysics/Biological Chemistry/Structural Molecular Biology/NMR Spectroscopy.

Council: Mem. 2016-17

CHATTARAJ, Pratim Kumar (b. 1958) PhD,FTWAS, FNA,FASc, FRSC, JC Bose National Fellow, Distinguished Visiting 2009 Chemistry Dept., Birla Institute of Technology Mesra, Ranchi- 835215, Jharkhand; Res. OGH, Suite no. 2, 1st Floor, Inner Campus, BIT Mesra; Email: pratim.chattaraj@gmail.com; pkc@chem.iitkgp.ac.in; Sp. **Density Functional** Theory/Chemical Reactivity/Nonlinear Dynamics.

CHATTERJEE, Anindya (b. 1966) PhD, FNAE, Professor, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. B402, Faculty 2016 Apartments, IIT Kanpur Campus, Kanpur - 208016; Tel. (0512) 2596961(O), 2594620(R), 09044422869(M); Fax: 2597408; anindya@iitk.ac.in; anindya100@gmail.com;

Mechanical Engineering.

CHATTERJEE, Anupam (b. 1956) PhD, Professor & Head, 2006 Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong - 793022; Res. Q.No.P-45, NEHU Permanent Campus, North-Eastern Hill University, Shillong -793022; Tel. (0364) 272 2403, 2409(O), 2551693(R); Fax: 272200Ó, 09402131929(M); Email: chatterjee@nehu.ac.in, chatterjeeanupam@hotmail.com; Sp. Radiation Genetics/Cancer Genetics.

1999 CHATTERJEE, Bishnu Pada (b. 1942) PhD(Sc), FAScT, FAMS, Distinguished Scientist, Chittaranjan National Cancer Institute, Kolkata; Formerly ISCA Sir Asutosh Mookerjee Fellow & Emeritus Professor, MAKA University of Technology, Senior Professor, IACS, Kolkata; NASI Senior Scientist; Res. 'Ratnamala', 5/1/3 Khettra Mitra Lane, Salkia, Howrah - 711106; Tel. 06289724483(M); Email: cbishnup@gmail.com; Sp. Carbohydrates/Protein Chemistry/Glycobiology/Immunoloav.

2011 CHATTERJEE, Debabrata (b. 1956) PhD, CChem, FRSC(UK), FWAST, Formerly Scientist & Head, Chemistry & Biomimetics Group, CSIR-CMERI, Durgapur- 713209; Res. Post - Gopinathpur, Durgapur - 713211, Dist. Burdwan, WB; Tel.(0343) 2554017(R), 09474112800(M); Email: dchat57@hotmail.com; Sp. Kinetic & Reaction Mechanism/Catalysis/Photocatalysis.

2015 CHATTERJEE, Mitali (b. 1960) MD,PhD, FNA, FASc, FAMS, FRCP (London), FTWAS, Professor & Head, Department of Pharmacology, Institute of PG Medical Education and Research, 244 Acharya JC Bose Road, Kolkata - 700020; Res. 57/11B Ballygunge Circular Road, Kolkata - 700019; Tel. (033) 22041428(O), 09830031523 (M); Email: ilatimc@gmail.com; Sp. Immunopharmacology.

Council: Mem. 2024-

2001 CHATTERJEE, Rabindra Nath (b. 1950) PhD, DSc, FAScT, FZSI, FZS, Associate Editor, 'The Nucleus' (Springer); Former Professor & Head, Department of Zoology, University of Calcutta, 35, B.C. Road, Kolkata- 700019; Res. 25 East Point, Haltu, Kolkata - 700078; Tel. (033) 24424678(R), 09433132910, 08100164284(M); Email: chatterjee\_rn@yahoo.co.in, chatterjee erncu@gmail.com; Sp. Genetics/Developmental Biology/Sex Determination and Dosage Compensation/Chromatin Biology.

1995 CHATTERJEE, Ranjit Kumar (b.1939) M.V.Sc., PhD, F.H.S., Formerly Senior Deputy Director, Central Drug Research Institute, Lucknow; Res. 95, Rabindra Palli, Faizabad Road, Lucknow -226016; Tel. (0522) 2351766(R), 09839233946(M); Sp. Parasitic Diseases/ Parasite Chemotherapy/Parasite

Immunobiology.

CHATTERJEE, Smriti Narayan (b. 1932) PhD, FAScT, FAMS, FNA, Founder President, DNA Society of India; Formerly Senior Professor of Biophysics & Director, Saha Institute of Nuclear Physics, Kolkata & INSA Senior Scientist (Emeritus); Res. Block-CF-69, Sector-I, Bidhan Nagar, Kolkata-700064; Tel. (033) 23346118(R); 09831180440(M); Email : sncac.08@gmail.com; Sp. Biophysics/Microbiology/Free Radicals & Genetic Toxicology and Biological Electron Microscopy.

2019 CHATTERJEE, Subhadeep (b. 1975) PhD, Staff Scientist VI, Centre for DNA Fingerprinting and Diagnostics (CDFD), Inner Ring Road, Uppal, Hyderabad - 500039, Telengana; Res. B-5, Flat No. 102, Indu Aranya Pallavi, GSI Post, Bandlaguda, Hyderabad - 500068, Telengana; Tel. (040) 27216108(O), 67307107(R), 09490794946(M); Fax: 27216006; Email: subhadeep@cdfd.org.in; xoohyd@gmail.com; Sp. Molecular Microbiology/Plant-Microbe Interaction/Pathogenesis.

1989 CHATTERJI, Dipankar (b. 1951) PhD, DSc(hc), FNA, FASc, FTWAS, Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore-560012; Res. A901, Zenith Towers, Karle Residency, Kempepura 100ft. Road, Nagawara, Bangalore – 560045; Tel. (080) 23600137, 22932836(O), 25392055(R), 09845404962(M); Fax: 23600535, 23600683; Email: dipankar@iisc.ac.in; Sp. Molecular Biology/Biophysical Chemistry.

CHATTOPADHYAY, Amitabha (b. 1956) PhD, FTWAS, FRSB, 1998 FRSC, FNA, FASc, FAPSc, FTASc, FAScT, CSIR Bhatnagar Fellow, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad - 500007; Res. Apt No. L301, Surya Splendor, Road No. 1, Kakatiya Nagar, Habsiguda, Hyderabad - 500007; Tel. 27192578, 27160059(O), 09849803092(M); 27160311, 27160591; Email: amit@ccmb.res.in; amit.gpcr@ gmail.com; Sp. Membrane and GPCR Biophysics and **Biology** 

CHATTOPADHYAY, Buddhadeb (b. 1979) PhD, Associate 2023 Professor, Centre of Biomedical Research, SGPGIMS Campus, Raebareli Road, Lucknow - 226014; Res. CSIR-CDRI, Apt No. E23, Jankipuram, Sitapur Road, Sector 10, Lucknow, Tel. 09005853385(M); Email buddhachem12@gmail.com; buddhadeb.c@cbmr.res.in; Sp. Organic Chemistry/Applied

Chemistry/Inorganic Chemistry.

CHATTOPADHYAY, Debasis (b. 1967) PhD, FASc, FNA, Scientist 2009 VII and JC Bose National Fellow, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi- 110067; Res. H-VB(D1)-001, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26735189(O), 26735148(R), 09868240645(M); Fax: 26741658; **Email** debasis@nipgr.ac.in; Sp. Abiotic Stess/Plant Genomics.

1997 CHATTOPADHYAY, Dhrubajyoti (b.1954) PhD, FASc, FWAScT, Vice Chancellor, Sister Nivedita University Kolkata, New Town, Kolkata - 700156; Res. Swajan, Flat 1A, Block AE 148, Action Area 1A, New Town, Kolkata - 700156; Tel. 09831083791(M); Email: dhrubajyotic@gmail.com; Sp. **Molecular Virology/** Transcription/Biochemistry/Nanobiotechnology.

Council: Mem. 2022-23

2023 CHATTOPADHYAY, Kalyan Kumar (b. 1963) PhD, Professor & Head, Department of Physics, Jadavpur University, Kolkata - 700032; Res. Qtr. No. B245, IIEST Campus, Shibpur, Howrah -711103; Tel. (033) 24146666(O), 09433389445(M); Email: kalyan\_chattopadhyay@yahoo.com; kkc.juphy@gmail.com; Sp. Nanotechnology/Condensed Matter Nanoscience and Physics/ Semiconductor.

1999 CHATTOPADHYAY, Kamanio (b. 1950) PhD, FNA, FASc, FNAE, National Science Chair, Dept. of Materials Engineering, Indian Institute of Science, Bangalore - 560012; Res. 410-411, Block III, RMV Cluster, Phase II, 10/11A, LT Halli, Devinagar Extn., Bengaluru 560094: (080)22932262(O). Tel. 09845949940(M); Fax: 23600472; Email : kamanio@iisc.ac.in; kamanio@gmail.com; Sp. Physical Metallurgy and Materials Science/Alloy Development for High Temperature and Extreme Environment/Energy Materials.

2019 CHATTOPADHYAY, Kausik (b. 1974) PhD, Professor, Biological Sciences Dept., Indian Institute of Science Education & Research Mohali, Sector 81, SAS Nagar, Mohali - 140306, Punjab; Res. IISER Mohali, MJ-303, Sector 81, SAS Nagar, 140306, Punjab Tel. (0172) 2293147(O), 09872414572(M); Email: kausik@iisermohali.ac.in; kausikchatt @yahoo.com; Sp. Protein Structure-Function/Host-Pathogen

Interaction/Immunobiology.

2023 CHATTOPADHYAY, Krishnananda (b. 1970) PhD, Chief Scientist & Head, Structural Biology and Bioinformatics Division, CSIR-Indian Institute of Chemical Biology, Kolkata - 700032; Res. 1475 Madurdaha, Sunflower 2A, Deeshari Estate, Kolkata - 700107; Tel. 09903046826(M); Email: krishnanandac@gmail. com; krish@iicb.res.in; Sp. Neurodegeneration/Protein Aggregation.

2017 CHATTOPĀDHYAY, Nitin (b. 1960) PhD,FASc,FAScT, Professor, Department of Chemistry, Jadavpur University, Kolkata - 700032; Res. 63 A/2, Prince Golam Hossain Shah Road, Jadavpur, Kolkata - 700032; Tel. (033) 24572776(O), 09433948648(M); Fax: 24146584; Email: nitin.chattopadhyay @yahoo.com; nitink.chattopadhyay@jadavpuruniversity.in; Sp. Photochemistry/Biophysical Chemistry/Surface Chemistry.

2019 CHATTOPADHYAY, Pronobesh (b. 1975) PhD, Scientist F, Defence Research Laboratory, DRDO, Ministry of Defence, Tezpur - 784001, Assam; Res. Type V Qtr, P-53, DRLNew Campus, Tezpur, Assam; Tel. (03712) 258498(O), 258048(R), 09435183212(M); Fax: 258534; Email: pronobesh@drl.drdo.in; chattopadhyay.drl@gmail.com; Sp. Pharmacology & Toxicology/Animal Science.

2006 CHATTOPADHYAY, Samit (b. 1959) PhD, FTWAS, FNA, FASc, FAScT, Sir JC Bose National Fellow, BITS-Goa, NH 17B, Bypass Road, Zuarinagar, Sancoale, Goa – 403726; Former Director, CSIR-Indian Institute of Chemical Biology, Kolkata; Tel. 09823409155(M); Email: samitc@goa.bits-pilani.ac.in; samitchatterji@yahoo.com; Sp. Cancer Biology, Transcription and Chromatin Biology, Immunology.

2014 CHATTOPADHYAY, Sharmila (b. 1959) PhD, CSIR Emeritus Scientist, CSIR-Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata - 700032; Res. 49/68, Prince Gollam Md. Shah Road, Kolkata - 700033; Tel. (033) 24995868(O), 09432672974(M); Fax: 24735197; Email: sharmila@iicb.res.in; Sp. Plant Defense/Medicinal Plants.

CHATTOPADHYAY, Soma (b. 1973) PhD, Scientist F, Institute of Life Sciences, Nalco Square, Bhubaneswar - 751023; Res. A405, Infocity Green Apts., Sailashree Vihar, Chandrasekharpur, Bhubaneswar - 751021; Tel. (0674) 2304235(O), 09777831185(M); Fax : 2300728; Email : sochat.ils@gmail.com; soma@ils.res.in; Sp. Virology/ Molecular Biology/Biotechnology.

2019 CHATTOPADHYAY, Subhasis (b. 1964) PhD, Head, Experimental High Energy Physics and Applications Group, Variable Energy Cyclotron Centre (VECC), 1/AF, Salt Lake, Kolkata - 700064, WB; Res. 4B, Niharika, Anusaktiabasan, 1/AF, Salt Lake, Kolkata - 700064, WB; Tel. (033) 23182318(O), 23343022(R), 09433773686(M); Fax: 23346871; Email: sub@vecc.gov.in; Sp. Experimental High Energy Nuclear Physics/Advanced Detectors & Instrumentation.

2003 CHATTOPADHYAY, Subrata (b. 1957) PhD, Head, Bio-Organic Division, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085; Res. 13, Shri Niketan, Anushaktinagar, Mumbai - 400094; Tel. (022) 25505163, 25593703(O), 25578826(R); Fax: 25505151, 25519613; Email: schatt@barc.gov.in; Sp. Bioorganic Chemistry/Asymmetric Synthesis/Biocatalyst.

2006 CHATTOPADHYAY, Sudip (b. 1960) PhD, FNA, FASc, JC Bose National Fellow, Professor, Department of Biotechnology, National Institute of Technology-Durgapur, Mahatma Gandhi Avenue, Durgapur - 713209; Res. House No. 73, Shilpakanan, Sector 2A, Bidhannagar, Durgapur - 713206; Tel. (0343) 2754030(O), 09434788029(M); Fax: 2547375; Email: sudipchatto@gmail.com; sudip.chattopadhyay@bt.nitdgp. ac.in; Sp. Developmental Biology/Signal Transduction.

2015 CHATTOPADHYAY, Sukalyan (b. 1963) PhD, Senior Professor & Head, High Energy Nuclear and High Energy Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata - 700064; Res. 93/2, Kankulia Road, Flat D/203, Kolkata - 700029; Tel. (033) 23375345 Ext.3405(O), 24429266(R), 09831239031(M); Fax : 23374637; Email : sukalyan. chattopadhyay@saha.ac.in; sukalyan@mail.cern.ch; Sp. Experimental Nuclear and High Energy Physics.

1967 CHATTORAJ, A.N. D.Phil., Formerly Professor & Head, Zoology Department, Allahabad University, Prayagraj; Res. 1 D Road, (Behind Chandralok Cinema), Prayagraj - 2110 03; Tel. (0532) 2563211(R); Sp. Entomology.

CHATURVEDI, Harish Chandra (b. 1940) PhD, F.I.S.H.Med., Emeritus Scientist, Tissue Culture Laboratory, National Botanical Research Institute, Lucknow - 226 001; Scientist in Directors' Grade & Head, Biotechnology & Physiology, N.B.R.I., Lucknow; Res. 'Vishram', Vivek Khan 4/254, Gomti Nagar, Lucknow - 226010; Tel. (0522) 2205840, 2205831-35 Extn. 289(O), 2393313, 2393987(R); Fax: 2205836, 2205839; Email: hcc\_nbri@hotmail. com, hcc\_vishram@yahoo.co.in; Website: www.nbri-lko.org; Sp. Plant Biotechnology & Morphogenesis in Plant Tissue Culture.

2011 CHATURVEDI, Madan Mohan, PhD, Professor, Laboratory for Chromatin Biology, Department of Zoology, University of Delhi (North Campus), Delhi - 110007; Res. Flat No. B-1305, Tower-B, Express Zenith, Sector-77, Noida - 201301; Tel. (011) 27666051, 27667985 Extn. 316, 317(O), (0120) 6580304(R), 09968468700(M); Email : mchaturvedi@zoology.du.ac.in, madan.chaturvedi@gmail.com; Sp. Biochemistry & Molecular Biology, Epigenetics.

2008 CHATURVEDI, Subhash (b.1950) D.Phil.(Waikato),FASc, Visiting Professor, Department of Physics, Indian Institute of Science Education & Research, Bhopal bypass Road, Bhauri, Bhopal 462066; Tel. (0755) 2691201(O), 09959613709(M); Email: scifi103@yahoo.com; Sp. Quantum Information/Open Quantum Systems/Quantum Phase Space Distributions.

1987 CHATURVEDI, Umesh Chandra (b. 1939) MBBS, MD, FRCPath(Lond), FAMS, FAAM(USA), FNA, FASc, Scientific Consultant, ICMR/DHR; Formerly Professor & Head, Deptt. of Microbiology, K.G. Medical College, Lucknow; INSA Honorary Scientist, Chairman, Bharat Immunologicals & Biologicals Corp.Ltd.; CSIR Emeritus Scientist; Res. 201-Annapurna Apartments, No. 1 Bishop Rocky Street, Faizabad Road, Lucknow- 226007; Tel. (0522) 4026202, 09450913506(M); Email: uchaturvedi201@gmail.com; Sp. Medical Microbiology/Virology/Immunology.

1987 **CHAUDHARY, T.N.** (b. 1936) Former Asst. Director General (IWM), ICAR; Res. R-159, Vani Vihar, Uttam Nagar, New Delhi - 110 059; Tel. (011) 2559804(R), 09958408113, 09818314045(M) Email: sushil.chaudhary159@gmail.com; Sp. **Soil Science.** 

1998 CHAUDHARY, Vijay Kumar (b. 1955) PhD, NASI Senior Scientist, Centre for Innovation in Infectious Disease Research, Education and Training, University of Delhi South Campus, New Delhi - 110021; Res. C1/1573, Vasant Kunj, New Delhi - 110070; Tel. (011) 24115883(O), 09811800434(M); Email: vkchaudhary@south.du.ac.in; vijkumchau@gmail.com; Sp. Biochemistry/Protein Engineering.

CHAUDHURI, Bidyut Baran (b. 1950) PhD, FNA, FNAE, FIETE, FIAPR, FIEEE, FTWAS, INAE Distinguished Professor, Computer Vision and Pattern Recognition Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata - 700108; Res. 87/29, A.K. Mukherjee Road, Kolkata - 700090; Tel. (033) 25752852, 25752850(O), 65657893(R), 09038329290(M); Fax: 25753035, 25751832; Email: bbcisical@ gmail.com; bbc@isical.ac.in; Sp. Image Processing/ Pattern Recognition/Natural Language Processing.

2014 CHAUDHURI, Keya (b. 1952) PhD, FNAMS, Formerly Emeritus Scientist (CSIR), Indian Institute of Chemical Biology, Kolkata - 700032; Res. 356/1D/1 NSC Bose Road, Kolkata - 700047; Tel. 09831215893(M); Email: keya.chaudhuri@gmail.com; Sp. Molecular Medicine/Infectious Diseases/Molecular & Cell Biology.

1996 CHAUDHURI, Kripasindhu (b. 1943) PhD, FIMA (UK), Former Professor & Emeritus Fellow (UGC & AICTE), Department of Mathematics, Jadavpur University, Kolkata- 700032; Res. 39A, Ajanta Road, New Santoshpur, Kolkata - 700075; Tel. (033) 24146282(O), 24163747(R), 09433001765(M); chaudhuriks@gmail.com; Sp. **Operations** Research/ Mathematical Ecology/History of Mathematics/Fluid Dynamics.

2007 CHAUDHURI, Probal, (b. 1963) PhD(Barkelay), FASc, FNA, Professor, Theoretical Statistics & Mathematics Unit, Indian Statistical Institute, 203 B.T. Road, Kolkata- 700108; Res. 8, Ramlal Agarwalla Lane, Kolkata - 700050; Tel. (033) 2575-3414/3400/4300(O), 25580105(R), 09831789429(M); Email: probal@isical.ac.in:probalchaudhuri@gmail.com:Sp. Statistics.

2003 CHAUDHURI, Subhasis (b. 1963) PhD, FNAE, FASc, FNA, FIEEE, Director, Indian Institute of Technology Bombay, Powai, Mumbai- 400076; Res. B-130, IIT Bombay Campus, Powai, Mumbai - 400076; Tel. (022) 25767437(O), 25768437(R); Fax: 25723707; Email: director@iitb.ac.in; sc@ee.iitb.ac.in; Sp. Computer Vision/Multimedia/Image Processing/Haptics.

2005 CHAUDHURY, Santanu (b. 1961) PhD, FNAE, Director, Indian Institute of Technology Jodhpur, NH-62, Nagaur Road Karwar, Jodhpur - 342037; Tel. (0291) 2801200(O), Email: director@iitj.ac.in; schaudhury@gmail.com; Sp. Information Technology.

2021 CHAUHAN, Manmohan Singh (b. 1960) PhD, FNA, FNAAS, Vice – Chancellor, GB Pant University of Agriculture & Technology, Pantnagar (Uttarakhand) - 263145; Res. VC Residence, Tarai Bhavan, GBPUAT, Pantnagar, Uttarakhand; Tel. (05944)-233333(O), 09991652455(M); Email : chauhanabtc@gmail.com; vcgbpuat@gmail.com; Sp. Biotechnology/Assisted Reproductive Technology/Animal Cloning.

- 2018 CHAUHAN, Prakash (b. 1969), PhD, Director, Indian Institute of Remote Sensing, 4 Kalidas Marg, Dehradun - 248001; Res. Quarter E1, Indian Institute of Remote Sensing, 4 Kalidas Marg, Dehradun - 248001; Tel. (0135) 2744583(O), 2744914(R), 09427001498(M); Email : prakash@iirs.gov.in; prakash4140@ gmail.com; Sp. Remote Sensing of Earth & Planetary Sciences.
- 2020 CHAUHAN, Santosh (b.1978) PhD, Senior Principal Scientist, CSIR-CCMB, Uppal Road, Hyderabad-500007, Telangana; Res. Apt, CSIR-CCMB, Uppal Road, Hyderabad-500007, Telangana; Tel. (040) 27192635(O), 07077702598(M); Email: chauhan 2010santosh@gmail.com; schauhan@ccmb.res.in; Sp. Cell Biology/Infectious Diseases/Cancer Biology.
- 2018 CHAUHAN, Shyam Singh (b. 1958), PhD, FAMS, Professor & Head, Department of Biotechnology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029; Res. CII/06, Ansari Nagar East, AlIMS Campus, New Delhi 110029; Tel. (011) 26593272(O), 26589661(R), 09810916291(M); Fax: 26588663, 26588641; Email: s\_s\_chauhan@hotmail.com; Sp. Cancer Biology/Molecular Biology.
- 2004 CHAUHAN, Shyam Vir Singh (b. 1943) PhD, D.Sc., FSPRB, Formerly Professor & Dean, School of Life Sciences, Dr. B.R. Ambedkar University, Khandari Campus, Agra 282002; Director, Academy of Life Sciences, 8/13 I Kaushalpur Bye Pass Road, Agra- 282005; Tel. 0749377772(M); Email: svs350@rediffmail.com; svsc071241@gmail.com; www.ijprb.com; Sp. Reproductive Biology/Male sterility.
- 1996 CHAUHAN, Virander Singh (b. 1950) PhD, DPhil(Oxford), FNA, FASc, Arturo Falaschi Fellow, Emeritus Scientist, ICGEB, Aruna A.Ali Marg, New Delhi - 110067; Res. B23, Geetanjali Enclave, New Delhi - 110017; Tel. (011) 26742317(O), 09811292058 (M): Email: virander@icgeb.res.in; viranderschauhan@ amail.com: Sp. Biophysics/Malaria/Malaria Vaccine Development/Peptides/Nano-Drug Delivery Systems/ Peptide Based Anti-Biotic Development.

Council: Mem. 2004-05

2013 CHAWLA-SARKAR, Mamta (b. 1970) PhD, Deputy Director Sr. (Scientist F), National Institute of Cholera and Enteric Diseases, P-33, CIT Scheme XM, Beliaghata, Kolkata - 700010; Res. T-19, Panchasayar, Kolkata - 700094; Tel. (033) 23537470(O), 09830660999(M); Fax: 23632398; Email: chawlam70@gmail. com; chawlasarkar.m@icmr.gov.in; Sp. Molecular Virology/Cell Biology/Immunology.

2013 CHEBIYYAM, Siva Ram Murthy (b. 1960) PhD, FIEEE, FTWAS, FNA, FNAE, Richard Karp Institute Chair Professor, Department of Computer Science & Engineering, Indian Institute of Technology Madras, Chennai - 600036; Res. #263/33, Block 2, 3E, Ceebros Orchid, Velachery Main Road, Chennai - 600042; Tel. (044) 22574361(O), 48567765(R), 09444498619(M); Fax: 22574352; Email: murthy@iitm.ac.in; Sp. Computer Science & Engineering.

2020 CHELLAPPAN, Retna Raj (b. 1970) PhD, Professor, Department of Chemistry, Indian Institute of Technology Kharagpur, Kharagpur -721302; Res. Quarter No. A-157, G+7, IIT Kharagpur, Kharagpur - 721302; Tel. (03222) 283348(O), 283349(R), 09434061583, 09679087660(M); Email: crraj@chem.iitkgp.ac. in; retnaraj.c@gmail.com; Sp. Electrochemistry/Materials Chemistry/ Analytical Chemistry.

2009 CHENGALUR, Jayaram Narayanan (b. 1965) PhD, FASc, FNA, Senior Professor, National Centre for Radio Astrophysics, Tata Institute of Fundamental Research, Pune University Campus, Ganesh Khind, Pune - 411007; Res. E-3, NCRA Housing Colony, Pune University Campus, Ganesh Khind, Pune - 411007; Tel. (020) 25719248, 25719000(O), 25719348(R); Fax : 25697257; Email : chengalur@ncra. tifr.res.in; Sp. Radio Astrophysics.

CHERUKUMALLI, Srinivasa Rao (b. 1965) PhD, FNA, FNAAS, FISSS, FISPRD; Director, ICAR-National Academy of Agricultural Research Management, Rajendranagar, Hyderabad - 500030, Telangana; Res. NAARM House, NAARM Campus, Rajendranagar, Hyderabad - 500030, Telangana; Tel. (040) 24015070(O), 24015654(R), 09848848453(M); Email: cherukumalli2011@gmail.com; chsrao\_director@naarm.org.in; Sp. NRM/Soil Carbon Sequestration/ Dryland Production Systems/Climate Change/Contingency Crop Planning/Agriculture Research Management/Climate Policy.

2010 CHHABRA, Rajendra Prasad (b. 1953) PhD, FNAE, FASc, FNA, Distinguished Professor, Dept. of Chemical Engineering, Shiv Nadar University, Delhi NCR Campus, NH-91, Tehsil Dadri, Distt. Gautambuddh Nagar – 201314; Res. 755, Campus Housing, Shiv Nadar University, Dadri, Greater Noida – 203207; Tel. 09839741317(M); Email : chhabra@iitk.ac.in; Sp. Transport Phenomena/Non-Newtonian Fluid Mechanics.

2021 CHHUNEJA, Parveen (b. 1966) PhD, FNAAS, Director, School of Agricultural Biotechnology, Punjab Agricultural University, Ludhiana - 141004; Res. 6/12, Punjab Agricultural University, Ludhiana - 141004; Tel. (0161) 2401444, 2401960-71 Ext.270(O), 2920953(R), 09888885557(M); Fax: 2400945; Email: pchhuneja@pau.edu; Sp. Molecular Genetics/ Genomics and Cytogenetics.

1993 CHIDAMBARAM, Rajagopala (b. 1936) PhD, DSc, DSc(hc), FNA, FASc, FNAE, FTWAS, DAE Homi Bhabha Professor, Bhabha Atomic Research Centre, Central Complex, Trombay, Mumbai -400085; & Former Director, BARC & Former Principal Scientific Advisor, GOI; Res. 405/406 Apollo, Raheja Acropolis-I, Deonar, Mumbai - 400088; Tel. (022) 25505305(Ó), 25561315(R); Fax: 25505132; Email: rc@barc.gov.in, rajachid@nic.in; Sp. Material Science/Neutron Crystallography/High Pressure Physics/Nuclear Technology/Sustainable Development.

Award: Prof. M.N. Saha Memorial Lecture Award - Nat. Acad. Sci. India (1999)

2019 CHINNASWAMY, Anandharamakrishnan (b. 1973) PhD, FNAAS, FAFST(I), FRSC,FRSB, Director, Indian Institute of Food Processing Technology, MOFPI, GOI, Pudukkottai Road, Thanjavur - 613005, TN; Res. Director's Quarters, Indian Institute of Food Processing Technology, Pudukkottai Road, Thanjavur-613005, TN; Tel.(04362) 226676(O), 09750968404 (M); Fax: 227971; Email: c.anandharamakrishnan@gmail.com; Sp. director@iifpt.edu.in; Food Engineering/Chemical Engineering/Food Nanotechnology.

CHINTALAPATI, Venkata Ramana (b. 1962) PhD, Professor, Dept. 2019 of Plant Sciences, School of Life Sciences, University of Hyderabad, Hyderabad - 500046; Res. 5-3-357 Rashtrapathi Road, Secunderabad - 500003; Tel. (040) 23134502(O), 27535462(R), 08179724006, 09000796341(M); Email: cvr449@gmail.com; chvrsl@uohyd.ernet.in; Sp.

Taxonomy/Metabolism.

2011 CHOCKALINGAM, Ananthanarayanan, (b. 1962) PhD, FASc, FIETE, Professor, Dept. of Electrical Communication Engineering, Indian Institute of Science, Bangalore - 560012; Res. 29, AECS 2nd Stage Layout, 2nd Nagasettihalli, Bangalore - 560094; Tel. (080) 22933156(Ŏ), 23516637(R), 08971474971(M); Fax: 23600563; Email: achockal@iisc.ac.in; Sp. Wireless Communication and Networking.

CHOKSHI, Atul Harish (b. 1958) PhD, FNA, FASc, FNAE, 2001 Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore - 560012; Res. Grove 3, Goodearth Orchard, Kengeri, Bangalore- 560060; Tel. (080) 22932684(O): Fax: 23600472, 23600683; Email: achokshi@iisc.ac.in; Sp.

Materials Science and Engineering.

1988 CHOPRA, Virender Lal (b. 1936) PhD(Edinb.), DSc(hc), FNA, FASc, FNAAS, FTWAS, Formerly Member, Planning Commission, New Delhi & Formerly Secretary, DARE and DG, ICAR, New Delhi; Res. A-3/210 A, Janakpuri, Delhi - 110058; 63, Housing Board Colony, Bindraban, Palampur; Tel. 09810343925, 08894273848(M); Email : virenderchopra@yahoo.com; Sp. Genetics/Crop Improvement/Biotechnology.

Award: Dr. BP Pal Memorial Lecture Award - Nat. Acad. Sci. India (2001). 2008 CHOUDHURI, Arnab Rai (b.1956) PhD(Chicago), FNA, FASc, FTWAS, Honorary Professor, Department of Physics, Indian Institute of Science, Bangalore - 560012; Res. Flat-206, Pavan Apts, No. 74, 15th Cross, Malleswaram, Bangalore - 560055; Tel. (080) 23603481(O), 23603664(R), 09900551702(M); Email: arnab@iisc.ac.in; Sp. **Theoretical Astrophysics/Solar** Physics/Magneto-hydrodynamics/History of Science.

1995 CHOUDHARY, Vasant Ramchandra (b.1944) PhD, FNA, FASc, Formerly NASI Senior Scientist, Chemical Engineering Division, National Chemical Laboratory, Pune - 411008; Res. Vasantasha, 1-Green Park, Off D.P. Road, Behind Hotel Seasons, Aundh, Pune - 411007; Tel. (020) 65265508(R), 09225106141(M); Email: vrc0001@yahoo.co.in; Sp. Zeolites/Catalysis and Reaction Engineering.

- 1989 CHOUDHURY, Amalesh Chandra (b. 1931) PhD, Professor, Dept. of Marine Science, Calcutta University, Secretary, Susama Devichowdhurani, Marine Biological Research Institute, Sagar Island 743373; Res. D44-Amarabati, Sodepur Kolkata 700110; Tel. (033) 25650305 (R), 09433974593 (M); Email: amalesh\_choudhury@yahoo.com Sp. Protozoology/Parasitology/Marine & Estuarine Biology/ Mangrove & Coral Reef Ecology.
- 2011 CHOUDHURY, Debajyoti (b. 1964) PhD, FNA, FASc, Professor, Department of Physics & Astrophysics, University of Delhi, Delhi–110007; Tel. (011) 27667061(O), 27261536(R), 09213211830(M), Email: debchou@physics.du.ac.in, debajyoti. choudhury@gmail.com;Sp. Cosmology/High Energy Physics.
- 2017 CHOUDHURY, Deepankar (b. 1974) PhD, FASc, FNAE, FASCE, FAScT, FIE, FIGS,FISET, Prof. T. Kant Chair Professor (HAG) & Head, Dept. of Civil Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076; Res. B-213, Aravali Building B 23, Hill Side, IIT Bombay, Powai, Mumbai 400076; Tel. (022) 2576-7335(O), 3670(L), 8335(R), 09969274031(M); Fax: 25767302; Email: dc@civil.iitb.ac.in; dchoudhury@iitb.ac.in; Sp. Civil Geotechnical Earthquake Engineering/Computational Geomechanics/Foundation Engineering/Disaster Management.
- 2005 CHOWDHERY, Harsh Ji (b. 1949) PhD, Ex. Additional Director & Emeritus Scientist, Botanical Survey of India, Northern Regional Centre, 192-Kaulagarh Road, DehraDun 248195; Res. 103-A, Engineer's Enclave-III, GMS Road, Dehra Dun 248001; Tel. (0135) 2753433(O), 2522986(R); Fax: 2757951; Email: hjchowdherybsi@rediffmail.com; Sp. Floristics/Taxonomy of Angiosperms (Orchids)/Plant Conservation.
- 2007 CHOWDHURY, Abhijit, (b. 1959) M.B.B.S., M.D., DNB, DM, Head, School of Digestive & Liver Diseases, Institute of PG Medical Education & Research, 244, AJC Bose Road, Kolkata-700020; Res. CC-502, Ashabori Housing Complex, Baishnabghata Patuli Township, Kolkata 700094; Tel. (033) 22235435(O), 24625359(R); Fax:22235435; Email: achowdhury2002@yahoo.co.in; Sp. Liver Disease / Molecular Epidemiology.
- 2008 CHOWDHURY, Debashish (b.1957) PhD, FNA, FASc, JC Bose National Fellow (SERB), Professor, Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208016; Res. House No. 407, IIT Campus, Kanpur 208016; Tel. (0512) 2597039(O), 2598465(R); Fax: 2590914; Email: debch@iitk. ac.in; debchg@gmail.com; Sp. Statistical Physics/Biological Physics/Complex Systems.

2017 CHOWDHURY, Rukhsana (b. 1958) PhD, Chief Scientist, CSIR-Indian Institute of Chemical Biology, 4 Raja S.C. Mullick Road, Kolkata - 700032; Res. Ekta Oleander Flat 6C Block 2, 16 R.N. Chowdhury Road, Kolkata - 700015; Tel. (033) 24995842(O), 23290013(R), 09830175773(M); Fax : 24735197; Email : rukhsanachowdhury@hotmail.com; rukhsana@iicb.res.in; Sp. Bacterial Pathogenesis/Host Pathogen Interactions/Microbiota and Probiotics.

- 2012 CHOWDHURY, Shantanu (b. 1968) PhD, FASc, Scientist, CSIR-Institute of Genomics & Integrative Biology, Mathura Road, Delhi 110025; Res. C305, Amrapali Sapphire, Sec 45, Noida 201303; Tel. (011) 29879325(O), 09810953135(M); Fax : 27667471; Email : shantanuc@igib.res.in; Sp. Structural and Functional Studies.
- 2005 **CHUTIA, Joyanti** (b. 1948) PhD, Director, Institute of Advanced Study in Science and Technology, Paschim Boragaon, P.O.Gorchuk, Guwahati 781035; Res. Hengerabari Housing Board Colony, Ganesh Giri, Guwahati 781006; Tel. (0361) 2740659(O), 2263027(R); Fax: 2740659; Email: joyanti\_c@yahoo.com; Sp. **Plasma Physics/Solid State Physics.**
- 1990 COWSIK, Ramanath (b. 1940) PhD, FNA, FASc, FTWAS, Padma Shri, NAS(F-USA), James S. McDonnell Professor & Director, McDonnell Center for the Space Sciences, Physics Department, Washington University in St. Louis, Campus Box 1105, One Brookings Drive, St. Louis, MO 63130 USA; Tel. (001 314) 9354493 (O) (001 314) 727 5959(R); Fax: (001 314) 9354134; Email: cowsik@physics.wustl.edu; Sp. Astrophysics/Elementary Particles/Cosmology/Gravitation.

Award: Prof. A.C. Banerji Memorial Lecture Award (1995).

- 2000 DADARWAL, Kalu Ram (b. 1944) PhD, Professor, Department of Microbiology, CCS Haryana Agricultural University, Hisar -125004; Res. 8/25 New Campus, CCS Haryana Agricultural University, Hisar - 125004; Tel. (01662) 237848(O), 236341(R); Fax: 231120, 234952; Email: dadarwal@hau.nic.in; Sp. Soil Microbiology - Biological Nitrogen Fixation.
- 1975 **DANDA, Ajit Kumar** (b. 1936) PhD, Former Director, Anthropological Survey of India, 27 J.L. Nehru Road, Kolkata 700016; Res. 225, Kadam Kanan, Jhargram 721507, Paschim Medinipur, WB; Sp. **Anthropology.**
- 1998 DANDAPAT, Bhabani Shankar (b. 1946) PhD, Former Head, Physics & Applied Mathematics Unit, ISI, Kolkata; and Former Dean, Academics & Head of Mathematics, Sikkim Manipal Institute of Technology, E-Sikkim; Res. 'Nabarun', 110/22C, BT Road, Kolkata 700108; Email: bsdandapat@gmail.com; Tel. 08910310565(M); Sp. Fluid Mechanics/Flow Stability/MHD/Thin Film Development.
- 1995 DANI, Shrikrishna Gopalrao (b.1947) PhD, FNA, FASc, FTWAS, Distinguished Professor, UM-DAE Centre for Excellece in Basic Sciences, University of Mumbai, Kalina, Santracruz East, Mumbai 400098; Tel. (022) 26532134(O), 09757282263(M); Email : shrigodani@gmail.com; Sp. Lie Groups/Ergodic Theory/Probability Measures/History of Mathematics.

2015 DAS, Amita (b. 1965) PhD, FASc, Professor, Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 110016; Tel. (011) 26548701(O), Email: amita@iitd.ac.in; amitadas3@yahoo.com; Sp. Plasma Physics.

- 2012 DAS, Amitava (b. 1959) PhD, FASc, FNA, Professor, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur, Nadia 741246; Tel. 09428051283, 08275225356(M); Email : amitava@iiserkol. ac.in; das.amitava1@gmail.com; Sp. Inorganic Synthesis/Nanostructured Material for Imaging and Drug Delivery/Molecular Recognition/Supramolecular Chemistry/Photoinduced Processes and Electron Transfer.
- 2023 DAS, Amitava (b. 1973) PhD, FABP, Senior Principal Scientist, Dept. of Applied Biology, CSIR-Indian Institute of Chemical Technology, Uppal Road, Tarnaka, Hyderabad 500007; Res. Silver Oak Bungalows, B.No 356, Cheriapally, Hyderabad 500051; Tel. (040) 27191873(O), 09618658585(M); Fax : 27160387; Email : amitavadas@iict.res.in; drdas.amitava@gmail.com; Sp. Stem Cell Biology/Regenerative Medicine /Biochemistry.
- 1988 DAS, Asit Baran (b. 1938) PhD(Illinois),FZSI, Professor, Deptt. of Zoology, School of Life Sciences, Visva-Bharati Univeristy, Santiniketan - 731 235; Res. 49, Andrews Palli, Santiniketan -731 235; Sp. Comparative Animal Physiology/Biochemistry.
- 2020 DAS, Benu Brata (b. 1975) PhD, FAScT, Associate Professor, School of Biological Sciences, Indian Association for the Cultivation of Science, 2A&B, Raja SC Mullick Road, Jadavpur, Kolkata 700032; Res. 8A/1, Baishnabghata Bye Lane, Flat# FF3, Kolkata 700047; Tel. (033) 24734971 Ext.2108(O), 08910229121(M); Fax: 24732805; Email: benubrata@yahoo.com; pcbbd@iacs.res.in; Sp. Topoisomerase/DNA Repair/Mitochondrial DNA.
- 1999 DAS, Bhabani Sankar (b. 1945) MBBS, MD, Former Adviser, DBT,Govt. of India; Res. 117, Ratnakar Bag-1, Bhubaneswar 751018; Tel. 09937689286(M); Email: bhabanisankar@gmail. com; Sp. Biochemistry.
- 1998 DAS, Bhudev Chandra (b. 1948) PhD, FNA, FASc, FAMS, Chairman & Hargobind Khorana Chair Professor, Amity Institute of Molecular Medicine & Stem Cell Research (AIMMSCR) and Dean, Health & Allied Sciences, Amity University Uttar Pradesh Campus, Sector-125, Noida 201313; Res. 'Anubhav', A-10, Sector 56, Noida 201301; Tel. (0120) 4275392(R), 09810537835, 09810566870(M); Email : bcdas48@hotmail. com; bcdas@amity.edu, Sp. Molecular Oncology/Human Genetics/Cancer Stem Cell & Drug Discovery.
- 1989 DAS, Bijoy Kishore (b. 1945) BTech(Hons.), MS, PhD, APAM, Formerly Executive Director, CMET, Pune; Res. Flat No. P-2004, Tower P, Great Value Sharanam, Sectot 107, Noida 201301; Tel. 09650979801(M); Email: bkdas45@yahoo.co.uk, bkdas45@gmail.com; Sp. Materials Science/Metallurgy/Electronics Materials.

1983 DAS, Chandi Charan (b. 1930) D.Phil., Formerly Professor of Zoology, Director, College Development Council & Vice-Chancellor, Berhampur University, Odisha; Res.159, Gautam Nagar, Bhubaneswar- 751014; Tel. (0674) 6536164; Sp. Cytogenetics/Cytochemistry.

DAS, Chandrima (b. 1978) PhD, Associate Professor, Biophysics & Structural Genomics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata - 700064; Res. FD-472/2, Sector-III, Salt Lake, Kolkata - 700106; Tel. (033) 23375345-49 Ext. 4623(O), 23212035(R), 09830185993(M); Fax: 23374637; Email: chandrima.das@saha.ac.in; Sp. Biochemistry/ Molecular and Cell Biology/Chromatin and Epigenetics.

2011 DAS, Gobardhan (b. 1966) PhD, Professor, Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi; Res. Flat # 4572, B-5&6, Vasant Kunj, New Delhi - 110070; Tel. (011) 46025847(R); Email: gobardhan.das07@gmail.com; Sp. Infectious Diseases/Genetic Engineering/Immunity.

1996 DAS, Jyotirmay (b. 1943) PhD, Former Professor & Head, Electronics & Communication Science Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata - 700 035;Res. 11/26 Kali Charan Ghosh Road, Sinthee, Kolkata - 700050;Tel. (033) 25568085 (4 lines) Ext. 2911(O), 25561314(R); Fax: 25776680; Email: jdas@isical.ac.in; Sp. Computer Science/Remote Sensing/Atmospheric Science.

2005 DAS, Kali Pada (b. 1953) PhD, Senior Professor, Department of Chemistry, Bose Institute, 93/1 A.P.C. Road, Kolkata - 700009; Res. 5 South Park, Santoshpur, Kolkata - 700075; Tel. (033) 23031152(O), 24838055(R); Fax: 23506790; Email: kalipada@ jcbose.ac.in; daskp25@gmail.com; Sp. Biophysical Chemistry /Molecular Chaperone/Protein Folding.

2010 DAS, Mukul (b. 1956) PhD, FST, FNAAS, Director, Shriram Institute for Industrial Research, 19, University Road, Delhi - 110007; Former Chief Scientist CSIR-IITR, Lucknow; Res. Director's Bungalow, Shriram Institute for Industrial Research, Delhi; Tel. (011) 35200501(O), 09335041295(M); Fax: 35200455; Email: mukuldas@shriraminstitute.org; mditrc@rediffmail.com; mukuldas@gmail.com; Sp. Food Toxicology/Chemical Carcinogenesis/Xenobiotic Biotransformation/Nano-toxicology.

DAS, Pijush K. (b.1952) PhD, FNA, FASc, FAScT, INSA Senior Scientist, JC Bose National Fellow, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata - 700 032; Res. 35, Justice Chandra Madhab Road, Kolkata - 700020; Tel. (033) 24140921(O), 40036221(R), 09830401233(M); Fax: 24735197; Email: pijushdas@iicb.res.in; pijush52@gmail.com; Sp. Biochemistry/Cell Biology/Molecular Parasitology.

2008 DAS, Pradeep (b.1956) PhD, FNA, FAMS, FAScT, JC Bose National Fellow, ICMR-Emeritus Scientist, ICMR-NICED, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata – 700010; Former Director, RMRIMS, Patna; Tel. 09431012380(M); Fax: (033) 23632398; Email: drpradeep.das@gmail.com; Sp. Medical Biotechnology/Molecular Parasitology/Immunology & Cell Signalling in Disease.

2013 DAS, Prasanta Kumar (b. 1962) PhD, FNAE, Professor, Department of Mechanical Engineering, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. B-44, IIT Campus, IIT Kharagpur - 721302; Tel. (03222) 282916(O), 282917, 278045(R), 09434035266(M); Fax: 255239; Email: pkd@mech.iitkgp.ac.in; Sp. Multiphase Flow/Heat Transfer.

DAS, Premananda (b. 1942) PhD,D.Sc.(hc), FNA, FNAAS, FSE, FSHI, FISOH, Chairman & Director, The Science Foundation for Tribal & Rural Resource Development, Bhubaneswar - 751003; Res. C-122 (HIG), State Housing Board Colony, Baramunda, Bhubaneswar - 751003; Tel. (0674) 2355505(O), 2355970(R), 09437007970(M); Email : profpdas@gmail.com; profpdas@yahoo.co.uk; Sp. Plant Biotechnology/Plant Physiology/Medicinal and Aromatic Plants, Bioenergy.

Council: Mem. 2003

1990 DAS, Punyabrata (b. 1936) PhD, FZS, FAA, FIFI, FNC, FSB, FAEB, FBRS, Formerly Director, National Bureau of Fish Genetic Resources, ICAR, GOI, Lucknow; Ex Consultant, W.B. University of Animal & Fishery Sciences; Res. A8/4, Indralok Estate, Paikpara, Kolkata -700002, Tel. (033) 25286307(R); Sp. Fisheries and Aquaculture Including Fish Genetics.

2018 DAS, Samar Kumar (b. 1963), PhD, FNA, FASc, Professor, School of Chemistry, University of Hyderabad, Hyderabad - 500046; Res. Qtr No.A-12, University Campus, University of Hyderabad, Hyderabad - 500046; Tel. (040) 23134853(O), 09959425259 (M); Email : skdas@uohyd.ac.in; Sp. Inorganic Chemistry/Polyoxometalate Chemistry/Coordination Chemistry/Electrocatalysis for Sustainable Energy.

2009 DAS, Sampa (b. 1951) PhD,FNA, INSA Senior Scientist, Division of Plant Biology, Bose Institute, P1/12, CIT Scheme VII(M), Kolkata - 700054; Res. A-13, Cluster 14, Purbachal Housing Estate, Salt Lake, Kolkata - 700097; Tel. (033) 25693251(O), 23359393(R); Fax: 23353886; Email: sampa@jcbose.ac.in, sampadpb@gmail.com; Sp. Plant Molecular Biology and Plant Pathogen Interaction Study.

2018 DAS, Sanjeev (b. 1976), PhD, Staff Scientist, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Res. Flat No.A-8, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26703702(O), 26703701(R), 09818999176(M); Email : sdas@nii.ac.in; Sp. Cancer Biology.

DAS, Sarit Kumar (b. 1963) PhD,FNAE,F.N.A.S.I., Director, Indian Institute of Technology Ropar, Nangal Road, Rupnagar, Ropar - 140001; Res. A/38, Narumukhai Apartments, 2nd Street, Brindavan Nagar Extn., Adambakkam, Chennai - 600088; Tel. (01881) 242101(O), (044) 22530602(R), 09500072602(M); Fax: 223393; Email : director@iitrpr.ac.in; sarit\_das@hotmail.com; skdas@iitrpr.ac.in; Sp. Engineering and Engineering Science /Chemical and Material Technology.

2009 DAS, Saumitra (b. 1962) PhD, FNA, FASc, Professor, Department of Microbiology and Cell Biology, Indian Institute of Science, Bangalore - 560012; Res. NE 301, New Housing Colony, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22932886(O), 23603632(R), 09448479632(M); Fax: 23602697; Email: sdas@iisc.ac.in; sdas@nibmg.ac.in; Sp. Molecular Virology/ Molecular Biology/ Antiviral Research.

2018 DAS, Shankar Prasad (b. 1959), PhD, FASc, FNA, JC Bose National Fellow, Professor, School of Physical Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. Flat No. 6229, Sector B, Pocket 9, Vasant Kunj, New Delhi - 110070; Tel. (011) 26738768(O), 40391050(R), 09899674943(M); Email: shankar@jnu.ac.in; spd@uchicago.edu; Sp. Statistical Physics/Soft-Matter/Non-Equilibrium Dynamics.

DAS, Tanya (b. 1959) PhD, FAScT, FPSI, ICMR Emeritus Scientist, Division of Molecular Medicine, Bose Institute, P-1/12, CIT Scheme VII M, Kolkata - 700054; Res. Flat #3B, 77/1K, R.K. Chatterjee Road, Kolkata - 700042; Tel. (033) 25693257(O), 40035326, 24423438(R), 09830020024(M); Fax: 23553886; Email: tanya@jcbose.ac.in; das\_tanya@yahoo.com; dr.tanyadas@gmail.com; Sp. Cancer Stem Cell Biology/Tumor Immunology/Drug Development.

1997 DAS GUPTA, Chanchal Kumar (b.1945) PhD, FNA, FASc, Res. EE-72/2, Salt Lake, Kolkata - 700091; Tel. 09007889857(M); Email : chanchaldg2000@yahoo.com; Sp. Biochemistry/Protein Folding.

2000 DASGUPTA, Chandan (b. 1951) PhD, FNA, FASc, FTWAS, Emeritus Professor, Department of Physics, Indian Institute of Science, Bangalore - 560012; Res. Flat No. 7, 55/1, 4th Main Road, Malleswaram, Bangalore - 560055; Tel. (080) 23603924(O), 23345417(R); Email: cdgupta@iisc.ac.in; Sp. Theoretical Condensed Matter Physics.

2009 DASGUPTA, Indranil (b. 1958) PhD, FASc, FNA, INSA Senior Scientist, Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi - 110021; Res. A-401, Prabha Apartments, Sector-23, Plot-11, Dwarka, New Delhi - 110077; Tel. 09910334110(M); Email : indranil58@yahoo.co.in; Sp. Plant virus interactions/Transgenic virus resistance in plants/Virus-induced gene silencing.

2010 DASGUPTA, Maitrayee (b. 1959) PhD, FNA, FASc, JC Bose National Fellow, Professor, Department of Biochemistry, University of Calcutta, 35, Ballygunge Circular Road, Kolkata - 700019; Res. T3 10/2 Ruchira Residency, Kalikapur, Kolkata - 700078; Tel. (033) 24614714(O), 24843966(R), 09830776131 (M); Fax: 24614849; Email: maitrayee\_d@hotmail.com; mdgbiochem@caluniv.ac.in; Sp. Symbiotic Nitrogen Fixation.

2001 DASGUPTA, Somnath (b. 1951) PhD, FNA, FASc, FTWAS, Visiting Professor, Department of Earth Sciences, Indian Institute of Science Education & Research Kolkata, PO Mohanpur - 741246; Res. Westwind, Block 4, Flat 3B, 78, Raja SC Mullick Road, Kolkata - 700084; Tel. (033) 24238057(R), 09831167145(M); Email: somnathdasg@gmail.com; Sp. Metamorphic Petrology/Ore Geology.

2022 DASGUPTA, Sunando (b. 1962) PhD, FNAE, Professor of Chemical Engineering, Paresh & Shimul Shah Chair Professor, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. A-115, IIT Kharagpur Campus, Kharagpur - 721302; Tel. (03222) 283922(O), 283923(R), 09434020641(M); Email: sunando@che.iitkgp.ac.in; sunando.dasgupta@gmail.com; Sp. Interfacial Phenomena/Microfluidics/Microscale Transport Processes.

2000 DAS SARMA, Dipankar (b. 1955) PhD, DSc(hc mult),FASc, FNA, FNAE, FTWAS, Honorary Professor, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore - 560012; Res. No. 7, 2<sup>nd</sup> Cross, NTI Layout, Nagashetty Halli, RMV Extension Stage II, Bengaluru – 560094; ; Tel. (080) 23607576, 22932945(O), Fax: 23601310; Email : sarma@iisc.ac.in; sarma.dd@gmail.com; Sp. Physics and Chemistry of Solids/Nano Materials/Energy Materials.

DAS SARMA, Jayasri (b. 1965) PhD, Professor, TRC 226, Dept. of Biological Sciences, Indian Institute of Science Education and Research Kolkata (IISER-K), Mohanpur-Campus, Mohanpur - 741246, Nadia; Res. 53, Kali Bari Road, PO: Newbarrackpur, 24 PGS North - 700131, Kolkata, WB; Tel. 09748642423, 07003514069(M); Email: dassarmaj@iiserkol. ac.in; Sp. Neurovirology/Neuroimmunology/Neurobiology of Diseases.

DASH, Aditya Prasad (b. 1951) PhD, DSc, FZSI, FISCD, FNESA, FAMS, Vice Chancellor, Asian Institute of Public Health University, Bhubaneswar; Former VC, Central University of Tamil Nadu, Thiruvarur; Former Distinguished Scientist Chair, ILS, Bhubaneshwar; Former Director, NIMT & Regional Advisor (VBN), WHO; Res. 190 Dharma Vihar, Jagamara, Bhubaneswar - 751030; Tel. 09560971223, 07077700510(M); Email: apdash@gmail.com; Sp. Parasitology and Public Health.

2020 DASH, Debabrata (b. 1958) MD, PhD, DNB, DSc, FNA, FASc, FAMS, JC Bose National Fellow, Tata Innovation Fellow & Professor, Biochemistry Dept., Institute of Medical Sciences, Banaras Hindu University, Varanasi - 221005; Res. 19, Old Medical Enclave, BHU, Varanasi - 221005; Tel. (0542) 2369300(O), 09336910665, 09670957414(M); Email : ddash.biochem@gmail.com; Sp. Platelet Signaling/Thrombus Biology/Translational Nanomedicine.

DASH, Madhab Chandra (b. 1939) PhD(Calgary), FZSI, FNIE, FAA, FNEA, FSGAT, FOES, Formerly Member, Orissa Environment Appellate Authority, Vice-Chancellor, Sambalpur University; Res. Plot-45, Flat-101, VIP Area, Nayapalli, Bhubaneswar-751015; Tel. 09437209935, 08339814788(M); Email: mcdash1939@gmail.com; dash.madhab@yahoo.com; Sp. Ecology (Ecosystems Analysis and Modeling, Soil Biology & Vermitechnology, Population Ecology) and Environmental Science (Environmental Conservation and Environmental Management, Environmental Laws, EIA & EMP).

1998 DASIKA, Durga Prasada Rao (b. 1939) PhD, Former Director, NRSA, Hyderabad; Res. 402, Manasa Sarovar Apts., Plot 166 Kalyan Nagar, Hyderabad- 500038; Tel. (040) 23816155(R); Sp. Geosciences/Remote Sensing.

DASIKA, Nagesh Kumar (b. 1963) PhD, FNA, FASc, Professor, Department of Civil Engineering, Indian Institute of Science, Bangalore - 560012; Res. Quarters HE-172, Block 1, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22932666(O), 29720197(R), 09739050057(M); Fax: 23600404; Email: nagesh@iisc.ac.in; dasikanagesh@gmail.com; Sp. Earth Sciences/Water Resources Engineering/Applied Hydrology.

DASS, N.D. Hari (b. 1946) PhD, Senior Professor, Institute of Mathematical Sciences, C.I.T. Campus, Chennai - 600 113; Res. 12/9, I Main Road, Kasturbanagar, Chennai - 600 113; Tel. (044) 2351856(O), 4422767(R); Sp. Quantum Field Theory/Gravitation and Astrophysics.

2017 DATTA, Anindya (b. 1970) PhD, Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Res. B218, Aravali, IIT Bombay, Powai, Mumbai - 400076; Tel. (022) 25767149(O), 09769257149(M); Fax: 25763480; Email: anindya@chem.iitb.ac.in; Sp. Physical Chemistry.

DATTA, Asis (b. 1944) PhD, DSc, FNA, FASc, FTWAS, Distinguished Scientist, NIPGR, Formerly NASI-Platinum Jubilee Chair Distinguished Professor, Founder & Formerly Director, National Institute for Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067; Formerly Vice-Chancellor, JNU, New Delhi; Res. House No. 182, The National Media Centre Co-operative House Building Society Ltd., Shankar Chowk, Gurgaon-122002; Tel.(011) 26742750, 26735119(O), 09810855666(M); Fax : 26741759, 26741658; Email : asis\_datta@nipgr.ac.in; asis\_datta@rediffmail.com; asisdatta@hotmail.com; Sp.Molecular Biology/Biochemistry.

Council: Pres. 2009-10; P. Pres. 2011-12, 2017-18; Mem. 95-98, 2001, 2003-04; V.P. 99-2000

2014 DATTA, Basudeb (b. 1957) PhD, FASc, Honorary Adjunct Professor, TRIM, IAI, TCG CREST, Sector V, Bidhannagar, Kolkata – 700091; Res. TD 2304, Tata Avenida, Rajarhat, Newtown, Action Area IIG, Kolkata – 700160; Tel. (033) 66411888(O), 08762312767(M); Email : bdatta17@gmail.com; Sp. Combinatorial and Algebraic Topology/Convex & Discrete Geometry.

DATTA, Kasturi (b. 1943) PhD, FNA, FASc, FTWAS, Formerly NASI Senior Scientist & Adjunct Professor, Special Centre for Molecular Medicine, Former Professor & Dean, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. House No. 182, The National Media Centre Co-operative House Building Society Ltd., Shankar Chowk, Gurgaon-122002; Tel. (011) 26704327(O), 09810326590(M); Email: datta\_k@hotmail.com; kdatta@mail.jnu.ac.in; Sp. Molecular and Cellular Biology/Genetic Engineering/Functional Genomics.

Council: Mem. 98-2000, 2004-05, 2011-12 F.S. 2001-02

2023 DATTA, Simanti (b. 1974) PhD, Professor, Centre for Liver Research, School of Digestive & Liver Diseases, Institute of PG Medical Education & Research, 244, AJC Bose Road, Kolkata -700020; Res. BH-108, Sector 2, Salt Lake City, Kolkata -700091; Tel. (033) 23341179(R), 09836593812(M); Email : seemdatt@gmail.com; Sp. Molecular Virology/Immunology.

DATTA, Sourav (b. 1979) PhD, Associate Professor, Dept. of Biological Sciences, Cell (Academic Building 3), Room # 322, IISER Bhopal, Bhopal Bypass Road, Bhauri, Bhopal - 462066; Res. Tower B-504, IISER Bhopal, Bhopal Bypass Road, Bhauri, Bhopal - 462066; Tel. (0755) 2691419(O), 2691601(R), 08224888536(M); Email : sdatta@iiserb.ac.in; Sp. Developmental Biology/Functional Genomics/Genetics.

2003 **DATTA, Swapan Kumar** (b. 1946) PhD, Formerly Scientist, Nuclear Science Centre, New Delhi; Res. 21, Justice Dwarakanath Road, Kolkata - 700020; Email: skd@iiserkol.ac.in; swapan.sk@gmail.com; Sp. **Nuclear Physics.** 

2006 DATTA, Swapan Kumar (b. 1953) PhD, FNA, FASc, FNAAS, FTWAS, Distinguished Biotechnology Research Professor at University of Calcutta, Kolkata; Founder Vice Chancellor, Biswa Bangla Biswabidyalay, Bolpur; Former Vice Chancellor, Visva - Bharati University; Res. Udita - 02-0302, 1050/1 Survey Park, Kolkata - 700075; Tel. (033) 40031319(R), 08768644777 (M); Email: swpndatta@yahoo.com; dattaswapan1953@gmail.com; Sp. Plant Biotechnology and Agriculture Science/Policy.

2002 DATTAGUPTA, Jiban Kanti (b.1945) PhD, Former Senior Professor, Crystallography & Molecular Biology Division, Saha Institute of Nuclear Physics, 1/AF Bidhan Nagar, Kolkata-700064; Res. Apt. 304, Tower-3, Rupashree, Shree Housing Complex, Street No. 77, New Town, Kolkata - 700156; Tel. (033) 23244053(R), 09831913824(M); Email: jibank.dattagupta @gmail.com; Sp. Biological Crystallography/Protein Structure and Function/Modeling.

DATTAGUPTA, Sushanta (b.1947) PhD, FNA, FASc, FTWAS, Formerly Vice Chancellor, Visva-Bharati, Santiniketan; Formerly Professor & Director, IISER, Kolkata; Formerly Director, SN Bose Centre, Kolkata; Res. New Town, Uniworld City "Heights", Tower 6, Flat # 0002, Kolkata - 700160; Tel. 09433013858, 09831842858(M); Email: sushantad@gmail.com; Sp. Nonequilibrium Statistical Mechanics/Structure & Dynamics of Condensed Matter.

Council: Mem. 2002-07 V.P. 2013-14

1980 DATTA-MUNSHI, Jyoti Swarup (b. 1930) PhD, FNA, Formerly Professor & Head, PG Department of Zoology, T.M. Bhagalpur University, Bhagalpur; Formerly INSA Senior Scientist and Emeritus Scientist (CSIR); Res. P124A, Usha Park, Garia, Kolkata - 700084; Tel. (033) 24102641(R); Email: jsmunshi @yahoo.co.in; Sp. Fish & Fisheries/Ecology/Cell Biology.

Council: Mem. 91-92

- 2019 DAVID, Justin Raj (b. 1969) PhD,FASc, FNA, Professor, Centre for High Energy Physics, Indian Institute of Science,Bangalore 560012; Res. A602, Sterling Residency, 5th Main, Dollars Colony, Bangalore 560094; Tel. (080) 22933146(O), 23511826(R), 09740091236(M); Fax: 23600683; Email: justin@iisc.ac.in; Sp. String Theory/Quantum Field Theory/Black Holes.
- 1979 DAYAL, Ram (b. 1930) D.Phil., Formerly Professor & Head, Mycology & Plant Pathology Dept., Institute of Agril. Sciences, B.H.U., Varanasi-221 005; Res. Shiva Mandir,Lanka, Varanasi-221 005; Sp. Mycology-Aquatic, Soil and Nematophagous.
- 2012 DE, Sirshendu (b. 1967) PhD, FNAE, Professor & Head, Department of Chemical Engineering, Indian Institute of Technology Kharagpur, Kharagpur 721302; Res. B-252, IIT Campus, IIT Kharagpur, Kharagpur 721302; Tel. (03222) 283926(O), 283927(R), 09434017363(M); Fax: 255303; Email: sde@che.iitkgp.ac.in; Sp. Membrane Separation/Transport Phenomena/ Pollution Control.

2017 DE, Swades (b. 1969) PhD,FNAE,FIET(UK), FIETE, Professor, Department of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016; Res. 31, Vikramshila Apartments, IIT Delhi, Hauz Khas, New Delhi - 110016; Tel. (011) 26591042(O), 26597242(R), 09968249529 (M); Fax: 26581606; Email: swadesd@ee.iitd.ac.in; swadesd@gmail.com; Sp. Communication Systems and Networks.

- 1986 **DEEKSHATULU, Bulusu Lakshmana** (b. 1936) PhD, FNA, FASc, FNAE, FNAAS, FTWAS, FIEEE(USA), Formerly Distinguished Scientist & Director, NRSA, Hyderabad; Res.10-3-123/3, East Maredpally, Teachers' Colony, Secunderabad 500026; Tel. 09908499081(M); Email : deekshatulu@hotmail.com; deekshatulu@gmail.com; Sp. Remote Sensing/Image Processing/System Engg./Machine Learning.
- 1978 **DEKA, Tarini Charan** (b. 1939) PhD, FZSI, Formerly Professor & Head, Department of Zoology, Gauhati University, Guwahati; President, GAIA Conservers; Res. 147/1 Deka Niwas, Lankeswars NH 37, Guwahati-781014; Tel. (0361) 570294(O), 570573(R); Fax: 570133; Email: tcdeka@hotmail.com; Sp. **Animal Ecology/Entomology/Environmental Biology.**
- DEO, Madhav Gajanan (b. 1932), M.D.(Path.), PhD, FNA, FASc, FAMS, Formerly Director, Cancer Research Institute, Mumbai; President (Hon.), Moving Academy of Medicine and Biomedicine, Pune 411052; Res. C-13, Kubera Gulshan Apartments, D.P. Road, Aundh, Pune 411007; Tel. (020) 25449649(O) 25893128(R); 09922403266(M); Email : deo.madhav@gmail.com, Sp. Pathology/Cell Biology/Medicine.
- 1984 **DESAI, Bhagirath Navinkant** (b. 1934) PhD(Wales), Formerly Director, National Institute of Oceanography, Dona Paula, Goa-403 004; Sp. **Marine Environmental Sciences.**
- DESAI, Jyotindra N. (b. 1936) PhD, Formerly Senior Professor, Physical Research Laboratory, Ahmedabad; Res. M-75/371 Saraswati Nagar, Near Azad Society, Ahmedabad - 380015; Tel. (079) 646080(R); Sp. Spectroscope Observations in Solar Corona, Planetary Nebulae.
- 2019 DESHMUKH, Mandar Madhukar (b. 1974) PhD,FASc, Professor, Condensed Matter Physics and Materials Science Department, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400005, MH; Res. B243, Aravali, IIT Bombay, Mumbai 400076; Tel. (022) 22782829(O), 25768616(R), 09869447651(M); Fax: 22804610; Email: deshmukh@tifr.res.in; Sp. Condensed Matter Physics.
- 2000 DESIRAJU, Gautam Radhakrishna (b. 1952) PhD, FNA, FTWAS, FASc, Professor, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560012; Res. 36/18, 9th Main Road, Rajamahal Vilas Extn., Bangalore-560080; Tel. (080) 22933311(O), 23616008(R); Fax: 23602306; Email: gautam\_desiraju@yahoo.com; desiraju@sscu.iisc.ernet.in; Sp. Supramolecular Chemistry/Crystal Engineering/Drug Design.

2021 DETHE, Dattatraya Hanumant (b. 1976) PhD, Professor, Department of Chemistry, Indian Institute of Technology Kanpur - 208016; Res. H.No.433, Type IV, Indian Institute of Technology Kanpur - 208016; Tel. (0512) 2596537(O), 2598674(R), 09621146252(M); Fax : 2596806; Email : ddethe@iitk.ac.in; Sp. Organic Synthesis.

- 2011 DEV, Bhupendra Nath (b. 1953) PhD, FASc, Professor, Centre for Quantum Engineering, Research and Education (CQuERE), TCG Centres for Research and Education in Science and Technology, 1st Floor, Tower 1, Bengal Eco Intelligent Park (Techna Building), Block EM, Plot No 3, Sector V, Salt Lake, Kolkata 700091; Res. GD-83, Sector-III, Salt Lake City, Kolkata-700106; Tel. (033) 71253719(O), 09433847131(M); Email: bhupen.dev@gmail.com, bhupen.dev@tcgcrest.org; Sp. Surfaces, Interfaces and Thin Films/Nanoscale Physics/X-ray Physics/Ion-Solid Interactions/Quantum Structures/Quantum Science and Technology.
- 2006 DEV, Vas (b. 1954) PhD (Notre Dame, USA), FISCD, Former Director Grade Scientist, House No. 656, Sector 9, Urban Estate, Ambala City 134003, Haryana; Tel. 09435345154(M); Email: mrcassam@hotmail.com; Sp. Genetical/Taxonomical & Evolution/Ecology.
- 1989 DEVI, P. Uma (b. 1941) PhD, Formerly Professor & Head of Radiobiology, KMC, Manipal; Department of Research, Jawaharlal Nehru Cancer Hospital & Research Centre, Idgah Hills, Post Box No. 32, Bhopal - 462001; Sp. Radiation Biology/Experimental Oncology.
- 1996 **DEWANGAN, Durga Prasad** (b. 1944) PhD, Formerly Sr. Professor, Physical, Research Laboratory, Ahmedabad; Res. 203, Kalash Apartments, Opp. C.N. Vidhyalay, Ambawadi, Ahmedabad- 380006; Tel. (079) 26314454(O), 26400285(R), Sp. **Theoretical, Atomic and Molecular Physics.**
- 2023 DEY, Abhishek (b. 1977) PhD,FASc, Senior Professor, School of Chemical Sciences, Indian Association for the Cultivation of Sciences, 2A Raja SC Mullick Road, Kolkata - 700032; Res. 505 Purbalok, Flat 2C, Kolkata - 700099; Tel. (033) 24734971 Ext.1366(O), 09051710061(M); Email : abbeyde@gmail.com; Sp. Inorganic Chemistry/Bio-Inorganic Chemistry/ Spectroscopy.
- 2004 DEY, Aloke (b. 1945) PhD,FNA, Formerly NASI Senior Scientist & Hon. Visiting Professor, Indian Statistical Institute, 7 S.J.S. Sansanwal Marg, New Delhi 110016; Res. B-17/S-1, Dilshad Garden, Delhi 110095; Tel.(011) 41493940(O), 22574022(R); Fax:41493981; Email: alok.dey@gmail.com;Sp. Statistics.
- 2006 DEY, Chinmoy Sankar (b. 1961) PhD,FNA, JC Bose National Fellow & Professor, The School of Biological Sciences, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016; Tel. (011) 26597523(O), 09560279888(M); Email: csdey@bioschool.iitd.ac.in; Sp. Diabetes/Leishmanial Drug Resistance/Leishmanial Flagellar Motility.

2016 DEY, Gautam Kumar (b. 1957) PhD, FASc, FNAE, FNA, Former Distinguished Scientist & Ex Director, Materials Group, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085; Res. C-704, Cielo, Lodha Splendora Bhyanderpara, Ghorbunder Road, Thane - 400615; Tel. (022) 25595063, 25593816(O), 25502075(R); Fax: 25505221; Email: gkdey@barc.gov.in; gautam\_k\_dey@yahoo.com; Sp. Metallurgy & Material Science/Electron Microscopy/ Radiation Damage.

2019 DEY, Nrisingha (b. 1964) PhD, Scientist, Institute of Life Sciences, NALCO Square, Bhubaneswar - 751023, Odisha; Res. 2B/1, Justice Manmotha Mukherjee Road, Kolkata - 700009, WB; Tel. (0674) 2300137,2301460(O),(033) 23600239(R), 09937163453 (M); Fax: 2300728; Email: ndey@ils.res.in; nrisinghad@gmail. com; Sp. Plant Molecular Biology/Plant Genomics.

2012 DEY, Subhasish (b. 1958) PhD,FNA, FASc,FNAE, JC Bose National Fellow and Professor, Department of Civil Engineering, Indian Institute of Technology Kharagpur, Kharagpur - 721302, Res. Quarters No. A-159, IIT Kharagpur, Kharagpur - 721302, Tel. (03222) 283418(O), 283419(R), 09434713850(M); Fax: 282254; Email : sdey@iitkgp.ac.in; Sp. Hydrodynamics/ Turbulence/Fluvial Hydraulics.

2018 DHAR, Abhishek (b. 1970), PhD, FASc, Professor, International Centre for Theoretical Sciences, Tata Institute of Fundamental Research, Bangalore - 560089; Res. 3051, Prestige Wellington Park, IAF Main Road, Jalahalli, Bangalore - 560013; Tel. (080) 67306270(O), 23089117(R), 09164183540(M); Fax: 46536002; Email: abhishek.dhar@icts.res.in; Sp. Statistical Physics/ Condensed Matter Physics.

DHAR, Deepak (b. 1951) PhD, FNA, FASc, FTWAS, Distinguished 1999 Emeritus Professor & NASI Senior Scientist, Department of Physics, Indian Institute of Science Education & Research, Pune; Res.A 904, Faculty Housing, IISER, Dr Homi Bhabha Road, Pashan, Pune – 411008; Tel. (020) 25908455(O), 25908458(R); Fax: 20251566; Email: deepak@iiserpune.ac.in;

Sp. Statistical Physics.

1988 DHAR, Durga Nath (b. 1932) PhD, Formerly Professor of Chemistry, Indian Institute of Technology, Kanpur; Formerly Visiting Professor and Actg. Director, Rajiv Gandhi Institute of Petroleum Technology, Rae-Bareli – 229316; Res. 44 Duplex – 1. Block A. Raiat Vihar, Sector 62, Noida- 201301; Tel. (0120) 2496137(R),09889496845(M); Email : durga\_dhar@yahoo.com;

Sp. Synthetic Organic Chemistry/Natural Products.

DHAR, Manoj Kumar (b. 1964) PhD,FNAAS, Vice Chancellor, 2017 University of Jammu, Babasaheb Ambedkar Road, Jammu – 180006; Professor, School of Biotechnology, University of Jammu, Jammu - 180006; Res. H.No.74, Shanker Vihar, Near Easy Day Store, Talab Tillo, Jammu - 180002; Tel. (0191) 2456534(O), Fax: 2459383; Email: manojkdhar@rediffmail.

com; Sp. Genomics/ Molecular Cytogenetics.

DHAR, Suman Kumar (b. 1968) PhD, FASc,FNA, Professor, Special Centre for Molecular Medicine, Jawaharlal Nehru 2011 University, New Delhi - 110067; Res. 596 Tower D, Pashchimabad, New Delhi - 110067; Tel. (011) 26742572, 26704559(O), 26742476(R); Fax : 26741781; Email : skdhar2002@yahoo.co.in; skdhar@mail.jnu.ac.in; Sp. DNA Replication/Cell Cycle Regulation/Parasitology.

DHAR, Uppeandra (b. 1948) PhD, Formerly CSIR Emeritus Scientist, University School of Environmental Management, Guru Gobind Singh Indraprastha University, Sector 16C Dwarka, Delhi - 110078; Formerly NASI Senior Scientist; Director, GBPNIHES, Almora; Res. M-317 First Floor, Orchid Island, Samaspur, Sector 51, Gurgaon - 122001; Tel. 09818335379(M); Email: uppdhar@gmail.com; uppdhar@rediffmail.com; Sp. Conservation Biology/Plant Ecology/Exsitu Conservation.

1994 DHARMALINGAM, K. (b. 1949) PhD, FASc, Distinguished Biotechnology Research Professor, Director-Research, Aravind Medical Research Foundation, No.1, Anna Nagar, Madurai – 625020; Res. 185, Palkalai Nagar East, Madurai-625021; Tel. 09443148447(M); Email : dharmalingam.k@gmail.com, kdharmalingam@aravind.org; Sp. Genetic Engineering/Biotechnology/Proteomics of Eye Diseases.

2011 DHAVALE, Dilip Dattatray (b. 1956) PhD,FASc, Former Head & Distinguished Professor, Department of Chemistry, SP Pune University (University of Pune), Pune - 411007 Res. C-201, Rohan Nilay (1), Aundh, Pune - 411007; Tel. 09422521594(M); Email : dilipdhavale56@gmail.com; Sp. Organic Chemistry/Carbohydrate Chemistry.

2009 DHAWAN, Alok (b. 1964) PhD, DSc(hc), FAMS, FRSC(UK), FST, FAEB, FINS, Director, Centre of Biomedical Research, SGPGIMS Campus, Raibareli Road, Lucknow - 226014; Res. 3 Ram Krishna Marg, Faizabad Road, Lucknow - 226007; Tel. (0522) 2668985(O), 09925120444(M); Email: director.cbmr@cbmr.res.in; alok.dhawan@cbmr.res.in; alokdhawan@yahoo.com; Sp. Molecular Epidemiology/Genetic Toxicology/Nanomaterial Toxicology.

Council: Mem. 2016-17

2001 DHAWAN, Vibha (b. 1960) PhD, Deputy Director, Research and Partnership Coordination, Borlaug Institute for South Asia, CG Block, NASC Complex, DPS Marg, Pusa Campus, New Delhi – 110012; Res. G-1, Jangpura Extn., New Delhi - 110014; Tel. (011) 24682100(O), 24312484(R), 09811009262(M); Fax: 24682144; Email: v.dhawan@cgiar.org, Sp. Plant Biotechnology.

DHEVALAPALLY, Ramachary Buchi (b. 1973) PhD, FTAS, FRSC, FASc, Professor of Chemistry, Catalysis Laboratory, School of Chemistry, University of Hyderabad, Central University PO, Gachi Bowli, Hyderabad-500046; Res. Vedha Viyas Nilayam, Door No.15-15/223, Road No.7D, Sudharshan Nagar Colony, Sherilingampally, Ranga Reddy (District), Hyderabad - 500046; Tel. (040) 23134816(O), 23134916(R), 09652010273(M); Email: ramsc@uohyd.ac.in; ramchary.db@gmail.com; Sp. Asymmetric Organocatalysis/Reaction Engineering/Total Synthesis.

2001 DHILLON, Baldev Singh (b. 1947) PhD, FNA, FNAAS, Former Vice Chancellor, Punjab Agricultural University, Ludhiana; Res. Villa 27 (EMAAR), Sector 106, Mohali – 140307; Tel. (0160) 2969165(R), 09872871033(M); Email: dhillonbaldevsingh@gmail.com; Sp. Plant Breeding/ Quantitative Genetics/Biotechnology/Plant Genetic Resources.

2016 DHIMAN, Ramesh Chand (b. 1955) PhD, FISCD, Senior Consultant and Former Scientist G, National Institute of Malaria Research (ICMR), Sector 8, Dwarka, New Delhi - 110077; Res. D-3/54, IInd Floor, Sector 16, Rohini, Delhi - 110089; Tel. (011) 25307404(O), 27857120(R), 09871535858(M); Fax: 25307177; Email: dhiman.rc.nimr@gov.in; r.c.dhiman@gmail.com; Sp. Vector Borne Diseases/Climate Change/Early Warning.

- DHINDSA, Kuldip Singh (b. 1945) PhD, FAIC, FNESA, FRSC (Lond.), EX-Director General, JCD, Vidyapeeth, Sirsa- 125055, Haryana; Res. H.No. 1402, Sector-1, Shahabad Markanda 136135, Distt. Kurukshetra; Tel. (01744) 243273 (R), 09992100013, 09416169590(M); Email : kuldipdhindsa@ yahoo.com;Sp.Inorganic Chemistry/Coordination Chemistry/Biological Chemistry/Agrochemicals.
- 2004 DHURANDHAR, Sanjeev Vishnu (b. 1951) PhD, FNA, FASc, Emeritus Professor, Inter-University Centre for Astronomy and Astrophysics, Post Bag No. 4, Ganeshkhind, Pune University Campus, Pune 411007; Res. Flat No.903, Terraza Building, Near Medi-Point Hospital, Vishal Auto Service Lane, Survey No. 244/1, Baner, Pune 411007; Tel. (020) 25604123(O); Fax: 25604699; Email: sanjeev@iucaa.in; Sp. Gravitational Waves/General Relativity.
- DIGHE, Rajan R. (b. 1951) PhD, FNA, FASc, JC Bose National Fellow, Professor, Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore 560012; Res. Anriya Dwellington, Apt 5302, RMV Stage II, Lottegollahalli, Bangalore 560094; Tel. (080) 22933261(O), 23663313(R), 09901903513(M); Fax: 23600999; Email: digherr@gmail.com; rdighe@alumni.iisc.ac.in; Sp. Biochemistry/Molecular Endocrinology/ Reproductive Biology.
- DIKSHIT, Anupam (b.1954) D.Phil.,PhD, FPSI, FBS, Professor & Formerly Head, Botany Department, University of Allahabad, Prayagraj- 211002; Res. A-307, Sai Nilayam, Mehdauri Avas Vikas Colony, Teliarganj, Prayagraj 211004; Tel. (0532) 2461779(O), 2546200(R), 09335108519, 09453254221(M); Email: anupambplau@rediffmail.com; anupambplau@gmail.com; Sp. Microbiology/Plant Pathology/Angiosperms/Taxonomy.
- 2002 DIKSHIT, Kanak Lata (b.1951) PhD, FNA, INSA Senior Scientist, Department of Biotechnology, South Campus, Sector 25, Panjab University, Chandigarh 160014; Res. H.No. 1524, Pushpac Complex, Sector 49B, Chandigarh 160047; Tel. 09915007784(M); Email: kanakdikshit@pu.ac.in; kanakdixit@gmail.com; Sp. Molecular Biology/ Biotechnology/Genetics.
- 2000 DIKSHIT, Madhu (b. 1957) PhD, FNA, FASc, FAMS, JC Bose National Fellow; THSTI National Chair; Res. C-95, Sector M, Aliganj, Lucknow – 226024; Tel. 09415111766, 06393782190 (M); Email: madhudikshit@thsti.res.in; drmadhudikshit@gmail. com; Sp. Biochemical & Molecular Pharmacology.

Council: V.P. 2023- Mem. 2009-10

2020 DIMRI, Ashok Priyadarshan (b. 1970) PhD, Professor, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. 1335, Poorvanchal, Jawaharlal Nehru University, New Delhi - 110067; Tel. (011) 26704319(O), 26742446(R), 09958154360(M); Fax : 26741502; Email : apdimri@hotmail.com; apdimri@gmail.com; Sp. Himalayan Climate/Climate Modeling/Two Rains: Summer & Winter.

DIMRI, Vijay Prasad (b. 1948) PhD, FNA, FTWAS, INSA Senior Scientist, ACSIR-Distinguished Professor, Former Director, National Geophysical Research Institute (CSIR), Uppal Road, Hyderabad - 500007; Res. 2-1-33/14, Saraswathi Nagar Uppal, Hyderabad-500039; Tel. (040) 27012337(O), 23434645(R), 07799043000(M); Fax: 23434651; Email: dimrivp@yahoo.com; vpdimri@gmail.com; Sp. Geophysics / Fractals / Signal Processing.

Council : Mem. 2013-14

2015 DOBHAL, Rajendra (b. 1962) PhD, Vice Chancellor, Swami Rama Himalayan University, Swami Ram Nagar, PO Jolly Grant, Dehradun - 248016, Uttarakhand; Res. E-108, Pacific Apartments, Near Anurag Nursery, Dehradun - 248006; Tel. (0135) 2471142/43(O), 9458181777(M); Email: drrdobhal@gmail.com; Sp. Science, Technology and Society/Intellectual Property Rights and Biodiversity.

DOGRA, Sneh Kumar (b. 1942) PhD, FNA, INSA Honorary Scientist; Formerly Dean, Academic Affairs, IISER Bhopal, Professor & Head of Chemistry, IIT Kanpur; Res. B-101, Mangal Apartment, 16, Vasundhara Enclave, Delhi - 110096; Tel. (011) 22622182(R), 09818791143(M); Email: skdogra@iitk. ac.in; Sp. Physical Chemistry/Photochemistry.

DONIHAKALU, Nagaraj Shankar (b. 1958) PhD, FNA, FASc, Visiting Professor, IISER Tirupati, Srinivasapuram, Yerpedu Mandal, Tirupati Dist. AP - 517619; Res.J-3, Shivani, Block II, 40 East Coast Road, Thiruvanmiyur, Chennai - 600041; Tel. (0877) 2500421; Email : dsn@imsc.res.in; dsn@iisertirupati.ac.in; Sp. Algebraic Geometry.

2011 DORAIRAJ, Prabhakaran (b. 1961) MD, DM (Cardiology), FRCP, Executive Director, Centre for Chronic Disease Control, C1/52, Safdarjung Development Area, New Delhi - 110016; Res. B-55, IInd Floor, Sarvodaya Enclave, New Delhi - 110017; Tel. (011) 26850117/18(O), 26527200(R); Fax: 26850588; Email: dprabhakaran@ccdcindia.org; Sp. Cardiology/Clinical Research/Genetic.

DORAISWAMY, Shankar (b. 1967) PhD,FASc, Chief Scientist, CSIR-National Institute of Oceanography, Dona Paula, Goa-403004; Res. 20/360/4, 4F2, Noble Shelters, Dona Paula, Goa-403004; Tel.(0832) 2450312(O), 09423319557(M); Fax: 2450603; Email: shankar@nio.org; dshankar67@gmail.com; Sp. Tropical Ocean Dynamics/ Ocean atmosphere Interaction/Monsoons.

Interaction/Monsoons.

D'SILVA, Patrick Raymond (b. 1972) PhD, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore - 560012; Res. NE-23 Apartment, Second Floor, New Housing Colony, Near Janta Bazar, IISc Main Campus, Bangalore - 560012; Tel. (080) 22932821(O), 23603915(R), 09880331400(M); Fax: 23600814; Email: patrick@iisc.ac.in; prdsilva72@gmail.com; Sp. Biochemistry/Cell Biology/Genetics/Chemical Biology.

DUBE, Anuradha (b. 1955) PhD, FNA, FASc, FTWAS, Former JC Bose Fellow, INSA Emeritus Scientist, Molecular Microbiology & Immunology (Parasitology) Div., Central Drug Research Institute, BS-10/1, Sector 10, Jankipuram Extn., Sitapur Road, Lucknow - 226031; Res. B2/M91, SBI Colony, Sector B, Jankipuram, Lucknow - 226021; Tel. (0522) 2771940 Extn. 4533(O), 09450931332(M); Email: anuradhadube@gmail.com; anuradha\_dube@hotmail.com; Sp. Immunobiology of Parasitic Infections.

DUBE, Harish Chandra (b. 1940) D.Phil., FPSI, FBS, Professor, Department of Life Sciences, Bhavnagar University, Bhavnagar-364002; Res. Principal's Bungalow, University Old Campus, Bhavnagar-364002; Tel. (0278) 521545, 519824(O), 430657(R); Fax: 519824; Email: hcdube@hotmail.com; Sp. Microbial Physiology/Fungal Biotechnology/ Agricultural Microbiology.

1979 **DUBE, Shobh Nath** (b. 1937) PhD, Director, Science & Technology, Kota Open University, Rawat Bhata Road, Kota-324 010; Tel. (0744) 426322(O), 450567(R); Sp. **Fluid** 

Mechanics/Heat Transfer.

2014 DUBEY, Nawal Kishore (b. 1957) PhD, Professor, Department of Botany, Banaras Hindu University, Varanasi - 221005; Res. B34/130, A-13, Manas Nagar Ext., Durga Kund, Varanasi -221005; Tel. 09415295765(M); Email : nkdubeybhu@gmail. com; nkdubey2@rediffmail.com; Sp. Plant Pathology/ Angiosperm Taxonomy/Bioprospection.

1992 **DUTTA, Chitra**, PhD, Chief Scientist & Head, Structural Biology & Bio-Informatics Division, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Kolkata - 700 032. Email :

cdutta@iicb.res.in; Sp. Biophysics.

2014 **DUTTA, Pradip** (b. 1960) PhD, FNA, FASc, FNAE, FASME, Professor, Department of Mechanical Engineering, Indian Institute of Science, Bangalore - 560012; Res. Quarter No. 302, Indian Institute of Management Campus, Bangalore - 560076; Tel. (080) 22933225, 23604536(O), 2699249(R), 09845010520 (M); Fax: 23604536; Email: pradip@iisc.ac.in; Sp. **Mechanical Engineering/Energy Sciences.** 

DUTTA, Rup (b. 1938) D.Phil., Professor & Head, Department of Chemistry, Birla Institute of Technology & Science, Pilani - 333 031; Res. A297B, Vidya Vihar, P.O. Pilani - 333 031; Sp.

**Physical Chemistry.** 

2019 DUTTA, Shanta (b. 1962) MBBS, MD, PhD,FWAST, Director & Scientist G, ICMR-National Institute of Cholera & Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata - 700010; Res. "Shriji Terrace", Flat-3A, 102/3A Beliaghata Main Road, PO Beliaghata, Kolkata-700010; Tel. (033) 23633373(O), 23720018(R), 09830152971(M); Fax: 23632398; Email: shanta1232001@yahoo.co.in; drshantadutta@gmail.com; Sp. Medicine/Infectious Diseases/Enteric Infection.

2023 DUTTA, Sourabh (b. 1967) PhD, FAMS, FNNF, Professor, Division of Neonatology, Dept. of Pediatrics, PGIMER, Sector 12,Chandigarh - 160012; Res. House No.121-A, Sector 24A, Chandigarh - 160023; Tel. (0172) 2755313(O), 2971221(R), 08283831967(M); Fax: 2744401; Email: sourabhdutta1@gmail.com; Sp. Clinical Medical Sciences/Pediatrics/

Neonatology.

DUTTA, Sushil Kumar (b. 1952) PhD (Utkal), PhD(Kansas, USA), DSc(Utkal), Formerly Professor of Zoology; Res. Plot 1573/1, Udyogpuri (Gandamunda), Post Khandagiri, Bhubaneswar – 751030; Tel. (0674) 2350811(R), 09437143598(M); Email: duttaphrynus@gmail.com; dutta\_sushilkumar@rediffmail.com; Sp. Taxonomy.

- DUTTA ROY, Suhash Chandra (b. 1937) DPhil, FNA, FASc, FNAE, FIEEE, DFIETE, INSA Emeritus Scientist, Formerly Professor of Electrical Engineering, Indian Institute of Technology-Delhi; Res. 04, New Campus, IIT Delhi, Hauz Khas, New Delhi 110016; Tel. 09871470136(M); Email: s.c.dutta.roy@gmail. com; Sp. Circuits, Systems and Signal Processing. Council: Mem. 2009-10
- 2005 EHTESHAM, Nasreen Zafar (b. 1959) PhD, Director-in-Charge, Scientist G, National Institute of Pathology, Safdarjung Hospital Campus, New Delhi 110029; Tel. 08826377433(M); Email: nzehtesham@gmail.com; Sp. Molecular Biology and Cell Biology and Cell Biology and Cell Signaling.
- FAROOQ, Ahmad (b. 1934) PhD(Purdue), Formerly Professor & Head, Department of Reproductive Biology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110 029; Res. CII-28, AIIMS Campus, Ansari Nagar, New Delhi 110 029; Tel. (011) 26862416, 2661123/304(O), 2668745(R); Sp. Physiology/Endocrinology/Reproductive Immunology/Contraceptive Technology.
- 2012 FLORA, Swaran Jeet Singh (b. 1956) PhD,FAEB,FABP,FSSE, Director, National Institute of Pharmaceutical Education and Research, Shree Bhawani Paper Mill Road, ITI compound, Raebareli 229010; Res. 123-E, Sarojini Nagar Sainik Colony, Lucknow 226008; Tel. 09425482305(M); Email : director@niperraebareli.edu.in; sjsflora@hotmail.com; Sp. Toxicology of Metals/Drug Development/Chelation Treatment.
- GADAGKAR, Raghavendra (b.1953) PhD, FNA, FASc, FTWAS, International Member, NAS USA, Member, Ger.Nat.Acad.Sci. Leopoldina, Foreign Hon. Member, Amer.Acad.of Arts & Sci.; Founder President, ISEB; DST Year of Science Chair Professor, Centre for Ecological Sciences, Indian Institute of Science, Bangalore 560012; Res. 3082, Cornwall, Prestige Kensington Gardens, 17, HMT Main Road, Jalahalli, Bangalore 560013; Tel. (080) 22932340(O), 43022022(R); Email: ragh@iisc.ac.in; Sp. Animal Behaviour, Ecology/Evolution. Council: 2006
- 1990 GADGIL, Madhav Dhananjaya (b. 1942) PhD(Harvard), FNA, FASc, FTWAS, Res. A-18, Springflowers Apartment, Panchavati, Pashan, Pune 411008; Tel. (020) 25893424(R); 09881153413(M); Email : madhav.gadgil@gmail.com; Sp. Ecology.
- 1999 GAIROLA, Bhartendu Kumar (b. 1949) PhD, Dy Director General, National Informatics Centre, Ministry of Information Technology, Govt. of India, A-B Block, CGO Complex, Lodi Road, New Delhi 110003; Res. DII/95 Kidwai Nagar (W), New Delhi; Tel. (011) 4361635(O), 4674548(R):, Sp. Information Technology.

2002 **GAJBHIYE, Namdeo Shriramji** (b.1952) PhD, Former Professor, Department of Chemistry, IIT Kanpur; Res. Flat No. G-1, Plot No. 176, Rameshwaram Apartments, Pande Layout, Khamala, Nagpur - 440025; Tel. 09415134267, 08299357917(M); Email: nsg@iitk.ac.in; gajbhiyens@gmail.com; Sp. Nanoscience and Nanotechnology of Materials/Solid State Chemistry.

- 2017 GALANDE, Sanjeev (b. 1967) PhD,FNA,FASc, Professor & Dean, School of Natural Sciences, Shiv Nadar University, NH-91, Tehsil Dadri, Gautam Buddha Nagar 201314; Tel. 09923363737(M); Email : sanjeev.galande@snu.edu.in; sanjeevgalande@gmail.com; Sp. Epigenetics, Cell and Molecular Biology.
- 2004 GAMBHIR, Yogendra Kumar (b. 1941) PhD, Professor, Physics Dept., Indian Institute of Technology, Powai, Mumbai 400076; Res. Qtr.No. C-503, Sh. Vijay Vihar, IIT (Mumbai) Employees CHS Ltd., Near Powai Vihar, Powai, Mumbai 400076; Tel. (022) 25767564(O), 25768564, 25704068(R); Fax: 25723480, 25767552; Email: yogy@phy.iitb.ac.in; Sp. Sub-Atomic Physics/Theoretical Physics.
- 2020 GANESAN, Venkatasubramanian (b. 1975) MBBS, MD, PhD, FNA, FASc, FAMS, Professor of Psychiatry, Department of Psychiatry, National Institute of Mental Health & Neuro Sciences, Bengaluru 560029; Res. Qr.No.41, Type 5, Block 3, BRC Campus Quarters, National Institute of Mental Health & Neuro Sciences, Bengaluru 560029; Tel. (080) 26995256, 26995250(O), 26995060(R), 09480829476(M); Fax: 26564830; Email: gvs@nimhans.ac.in; venkat.nimhans@gmail.com; Sp. Psychiatry/Schizophrenia/ Neuromodulation.
- 1996 GANESH, Krishnarajanagar Nagappa (b. 1953) PhD(Delhi), PhD(Cambridge), FNA, FASc, FMASc, FTWAS, Professor of Chemistry & Director, Indian Institute of Science Education & Research Tirupati, Tirupati 517507; Tel. Email: kn.ganesh@iisertirupati.ac.in; Sp. Bioorganic Chemistry/Nucleic Acids Peptides/Medicinal Chemistry.
- 2012 GANESH, Subramaniam (b. 1968) PhD, FASc, Professor, Department of Biological Sciences & Bioengineering, Indian Institute of Technology Kanpur, Kanpur 208016; Res. House No. 510, Type 5, IIT Campus, Kanpur 208016; Tel. (0512) 2594040(O), 2598590(R); Fax: 2594010; Email: sganesh@itk.ac.in; Sp. Human Molecular Genetics/ Neuroscience.
- 1994 GANGAL, Sharad Vishwanath (b. 1937) PhD, FASc, FCAAI, Director, Institute of Environmental Medicine, Kasturba Hospital, Mumbai; Res. Lakshmi Niwas, Opp. Santoshi Mata Temple, (B-Cabin), Sane Guruji Path, Naupada, Thane 400602; Tel. (022) 25376961(R), 09324924307(M); Email: sharadvgangal @hotmail.com; Sp. Biochemistry/Immunology/Allergy.
- 2020 GANGAVAAMSAM, Raja Sekhar Pydi (b. 1970) PhD, Professor, Department of Mathematics, Indian Institute of Technology Kharagpur, Kharagpur 721302; Res. A-148, Indian Institute of Technology Kharagpur, Kharagpur 721302; Tel. (03222) 283684(O), 283685(R), 09434722291(M); Fax: 255303; Email: rajas@iitkgp.ac.in; Sp. Applied Mathematics/Viscous Flows/Flow Through Porous Media.

2012 GANGULI, Ashok Kumar (b. 1961) PhD, FASc, Deputy Director (IIT Delhi) & Professor, Department of Chemistry, IIT Delhi, New Delhi - 110016; Founding Director, Institute of Nano Science & Technology, Phase X, Sector 64, Mohali - 160062; Res. 61, Vikramshila Apts. IIT Campus, New Delhi - 110016; Tel. (011) 26591704. 26591511, 26591501(O), 26591654(R). 09810464112(M); Fax: 26582153; Email: ashokganguliiitd@ gmail.com; ashok@chemistry.iitd.ac.in; Sp. **Materials** Chemistry involving Nanomaterials, Super-conductors.

2018 GANGULI, Ranjan (b. 1967), PhD, FNAE, FASME, FRAeS, FAeSI, Professor, Aerospace Engineering Dept., Indian Institute of Science, Bangalore - 560012; Res. 8505 Prestige Monte Carlo, Yelahanka, Bangalore - 560064; Tel. (080) 22933017(O), 22193768(R), 09980542144(M); Fax: 23600134; Email: ganguli@iisc.ac.in; Sp. Aerospace Engineering.

GANGULY, Chaitanyamoy (b. 1946) PhD, FNA, FASc, FNAE, FIE, FIIM, Humboldt Fellow, Adviser to Director General and Distinguished Professor, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat - 382007; Res. 703, Caladia, The Botanika, Gachibowli (behind Platina), Hyderabad - 500032, Telangana; Tel. 08008222016(M); Email: chaitanya. ganguly@gmail.com; chm\_ganguly@yahoo.com; Sp. Nuclear Fuels & Reactor Core Structural Materials/ Ceramics/ Powder Metallurgy.

GANGULY, Nirmal Kumar (b. 1941) MD, DSc (hc), FAMS, FNA, FASc, FTWAS, FIACS(Canada), FRC Path(London), FIMSA., Honorary Senior Professor (Clinical Research), Liver and Biliary Science, New Delhi Former DG, ICMR, New Delhi; Res. 701, Gayatri Apartment, GH-6, Sector-45, Faridabad - 121003 and 1103/1, Sector 39B, Chandigarh - 160012; Tel. (011) 26741501(O), (0129) 2439998(R), 09811504314(M); Email: gangulynk41@yahoo.co.in, nkganguly@nii.ac.in; Sp. Microbiology/Immunology/ Biotechnology/Tropical Medicine/ Public Health/Health Policy.

Council: Mem. 2000

2000 GANUGAPATI, Lakshmi Sita (b. 1939) PhD, Formerly Professor, Microbiology & Cell Biology Dept., IISc, Bangalore; Res. 1A, Pradhan Apartments, 18th Cross, Malleswaram, Bangalore - 560055; Tel. (080) 23466430(R), 09448051697, 09886310603 (M); Email: sitagl@yahoo.co.uk; sitagl@iisc.ac.in; Sp. Plant Tissue Culture/ Biotechnology/ Plant Molecular Biology.

2014 GARG, Pramod Kumar (b. 1963) MBBS, MD, DM, FNA, FASc, FAMS, FRCP(Glasg), Professor & Head, Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi – 110029; Former Executive Director, Translational Health Science & Technology Institute, Faridabad; Res. 1273, B-1, Vasant Kunj, New Delhi; Tel. (011) 26593556(O), 41006336(R), 09810038116(M); Fax: 26588663; Email: pgarg10@gmail.com; Sp. Gastroenterology.

Council: F.S. 2017-18, Mem. 2023-

2011 GARIKAPATI, Narahari Sastry (b. 1966) PhD,FAPAS, FASc, JC
Bose National Fellow, Director, CSIR-North East Institute of
Science & Technology, Jorhat – 785006, Assam; Tel.
09963582996(M); Email: gnsastry@yahoo.com; gnsastry@
gmail.com; director@neist.res.in; Sp. Theoretical Chemistry/
Computational Chemistry/Computational Biology/
Chemoinformatics.

- 2022 GATTAMRAJU, Ravindra Kumar (b. 1961) PhD, FASc, FNA, Distinguished Professor (J), Tata Institute of Fundamental Research, Colaba, Mumbai 400005; Res. 510 Bhaskara TIFR Colony, Homi Bhabha Road, Colaba, Mumbai 400005; Tel. (022) 22782381(O), 22783381(R); Email : grk@tifr.res.in; grktifr@gmail.com; Sp. Intense Laser-Matter Interactions/Extreme States/Nonlinear Optics.
- 2023 GAUNS, Manguesh Uttam (b. 1970) PhD, FNESA, FAEB, Senior Principal Scientist & Head, Biological Oceanography Div., CSIR-National Institute of Oceanography, Dona Paula, Goa 403004; Res. St. Lawrence, Agassaim-Mercurim, Ilhas-Goa 403204; Tel. (0832) 2450217(O), 2217197(R), 09421241835(M); Fax: 2450602, 2450603; Email: gmangesh @nio.org; Sp. Oceanography/Marine Biodiversity/Marine Biogeochemistry.
- 2000 GAUR, R.D. (b. 1945) PhD, FBS, Professor Emeritus; Formerly Head, Department of Botany & Dean, Faculty of Science, H.N.B. Garhwal University, Srinagar-Garhwal, Uttarakhand; Res. HN 653, Hanumantpuram, Lane 6, Ganga Nagar, Rishikesh, Uttarakhand 249201; Tel. (0135) 2431187(R), 09412961288(M); Email: rdgaur2009@gmail.com; Sp. Plant Systematics/ Ethnobotany/Conservation Biology.
- 1988 **GAUR, Vinod Kumar** (b. 1936) DIC, PhD(Lond.), DSc(hc), FNA, FASc, FTWAS, Professor Emeritus, CSIR Fourth Paradigm Institute, NAL Belur Campus, NAL Wind Tunnel Road, Kempapura, Bellandur, Bengaluru 560037; Res. 101, Windsor Court, 17, Millers Road, Bangalore 560046; Tel. (080) 23437410(R); Email: gaurvinod36@gmail.com; gaur@csir4pi. in; Sp. **Earth System Science (Geophysical Sciences).**
- 2006 GAUTAM, Dinesh Kumar (b. 1959) PhD, Former Professor & Head, Dept. of Electronics, North Maharashtra University, Jalgaon; Res. Rue Theodore de Cuyper 163, Box No. 2, Woluwe Saint Labert, Brussels 1200, Belgium; Tel. 09326755042, +32-494902706(M); Email: dkgautam\_nmu@hotmail.com, dkgautam.iacqer@gmail.com; Sp. Electronics/Optoelectronics/Semiconductor Materials and Devices/Nanomaterials.
- 2007 GAUTHAM, Namasivayam (b. 1955) PhD, Formerly Professor, Centre for Advanced Study in Crystallography & Biophysics, University of Madras, Guindy Campus, Chennai 600025; Res. 1, Park Street, Kilpank Garden, Chennai 600010; Tel. (044) 26472938(R), 09940578240(M); Email : n\_gautham@hotmail.com; Sp. Biomolecular Structure/X-ray Crystallography/Computational Biology.

2001 GEETHA BALI (b. 1949) PhD, D.Sc., Former Vice-Chancellor, Karnataka State Women's University; Sterling South End, 30<sup>th</sup> Cross, 7<sup>th</sup> Block, Jayanagar, Bangalore – 560082; Email: geetha.bali@gmail.com; Sp. Behaviour/Neuroethology/Insect Physiology/Biocontrol.

2000 **GEETHA, Srinivasa Rao** (b. 1944) PhD, Formerly Professor, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai; Res. 90/1(Old 50/1) Second Main Road, Gandhi Nagar, Adyar, Chennai - 600020; Tel. (044) 24411347, 42118801(R); Email: geetha\_srao@yahoo.com; Sp. Mathematical Analysis/Functional Analysis/Approximation Theory/Wavelet Analysis.

2023 **GEORGE, Subi Jacob** (b. 1977) PhD, FASc, Professor & Head, New Chemistry Unit & School of Advanced Materials, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur PO, Bangalore - 560064; Res. A-303, MV Royal Homes, Srirampura, Jakkur, Yelahanka, Bangalore - 560064; Tel. (080) 22082964(O), 23690615(R), 09916729572(M); Email: george@jncasr.ac.in; subijg@gmail.com; Sp. **Supramolecular Chemistry/Organic Materials/Spectroscopy.** 

2014 GHANTY, Tapan Kumar (b. 1963) PhD, Scientific Officer (H), Chemical Group, Theoretical Chemistry Section, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085; Res. 16-A, Kanchanjunga, Anushakti Nagar, Mumbai - 400094; Tel. (022) 25595089(O), 25503763(R), 09969309595(M); Fax: 25505151; Email: tapang@barc.gov.in; tghanty@gmail.com; Sp. Physical Chemistry/Theoretical Chemistry/Density Functional Theory.

2010 GHASKADBI, Surendra Madhukar (b. 1956) PhD, Former Scientist G and Honorary Advisor, Developmental Biology Group, MACS-Agharkar Research Institute, Pune - 411004; Res. 301, Sampadan, Income Tax Lane, Prabhat Road, Pune - 411004; Tel. 09822659155, 09518576497(M); Email : ghaskadbi@gmail.com; Sp. Developmental Biology/Cell Biology/Evolution.

1977 GHATAK, Ajoy Kumar (b. 1939) PhD(Cornell), Past President, NASI & Formerly MN Saha Distinguished Chair Professor, NASI; Formerly Professor of Physics at IIT Delhi; Res. D-42, Hauz Khas, New Delhi-110016; Tel. (011) 41033386(R), Email: ajoyghatak5@gmail.com Sp. Fiber Optics/Quantum Mechanics.

Council: Mem. 2015-16 Pres. 2021-22 P.Pres. 2023-

2015 **GHORAI, Manas K.** (b. 1967) PhD, Professor, Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur - 208016; Tel. (0512) 2597518, 2597539(O); Email: mkghorai@iitk.ac.in; Sp. **Synthetic Organic Chemistry.** 

2010 GHORPADE, Sudhir Ramakant (b. 1963) PhD, Professor, Department of Mathematics, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Res. Apt. B-270, Nilgiri, IIT Campus, Powai, Mumbai - 400076; Tel. (022) 25767470(O), 25769470(R); Fax: 25723480; Email: srg@math.iitb.ac.in; Sp. Algebraic Geometry/Coding Theory/Combinatorics.

2022 GHOSE, Debasish (b. 1960) PhD, FNAE, Professor, Department of Aerospace Engineering, Indian Institute of Science, Bengaluru -560012; Res. 550, 1A Main, 4, Cross, Tatanagar, Bengaluru -560092; Tel. (080) 22903023(O), 23414173(R), 08867395021, 7259436017(M); Fax: 23600134; Email: dghose@iisc.ac.in; Sp. Autonomous Systems/Robotics/Aerospace.

1999 GHOSE, Partha (Sarathy) (b. 1939) PhD, FWBAScT, Distinguished Fellow, Tagore Centre for Natural Sciences & Philosophy & Formerly Professor, SN Bose National Centre for Basic Sciences, Kolkata; Formerly NASI Senior Scientist; Res. 2B Bally High, 1 Ballygunge Park Road, Kolkata – 700019;Tel. 09331010722(M); Email : partha.ghose@gmail.com; Sp. Foundations of Quantum Theory.

2002 GHOSH, Amitabha (b.1941) DPhil,DSc(hc),FIE,FNAE,FASc,FNA, INSA Emeritus Scientist, Former NASI Platinum Jubilee Senior Scientist, INSA Senior Scientist, Professor & Head of Mechanical Engineering, IIT Kanpur and Director, IIT Kharagpur; Res. Flat D2, 'Kalpataru Apartments', 50/A, College Road, PO Botanic Garden, Howrah - 711103; Tel. (033) 26682424(R), 09433043427(M); Email: amitabha@iitk.ac.in; amitabhaiitk@gmail.com; Sp. Mechanics, Machine Dynamics & Robotics, Manufacturing Science.

GHOSH, Amit (b. 1944) PhD, DSc(hc), FASc, FNA, FBRS, FAScT, NASI Honorary Scientist, Vice President (Publication), INSA; National Institute of Cholera and Enteric Diseases (ICMR) (JICA Building), P-33, CIT Scheme XM, Beliaghata, Kolkata - 700010; Formerly Director, IMTECH Chandigarh & School of Biological Sciences, IIAR Gandhi Nagar and JC Bose Distinguished Chair Professor, NASI; Tel. (033) 23537470(O), 46033573(R), 09433692858, 07044808282(M); Fax: 23705066; Email: amitghosh24@yahoo.com; Sp. Molecular Biology.

Council: Mem. 2000, 2003-05, 2010-2011, 2014-15 V.P. 2001-02
2016

GHOSH, Anup Kumar (b. 1956) PhD, Emeritus Professor,
Department of Materials Science & Engineering, Indian Institute
of Technology Delhi, Hauz Khas, New Delhi - 110016; Res.
Jagaran Apartment, Sector 22, Dwarka, Delhi – 110077; Tel.
(011) 26591424(O), 09810432622(M); Fax: 26591421; Email:
akghosh@mse.iitd.ac.in; anupkghosh@gmail.com; Sp.

Polymer Science & Engineering/Rheology/Chemical Engineering.

Council: Mem. 2023-

2013 GHOSH, Arindam (b. 1969) PhD, FNA, FASc, Professor, Department of Physics, Indian Institute of Science, Bangalore – 560012; Res. HE 351, IISc Campus, Bangalore – 560012; Tel. (080) 22933288(O), 09880064200(M); Email: arindam@iisc.ac. in; Sp. Experimental Condensed Matter Physics at Ultra-low Temperature/Nano Electronics/ Semiconductor Physics.

2019 GHOSH, Ashish (b. 1966) PhD,FWAS, Professor & Head, Machine Intelligence Unit, Indian Statistical Institute, 203 BT Road, Kolkata - 700108; Res. M4/14 Teachers's Quarter, Jadavpur University Campus, Kolkata - 700032; Tel. (033) 25753110(O), 24146067(R), 09831761370(M); Fax: 25783357; Email: ash@isical.ac.in; Sp. Computer Science/Artificial Intelligence/Data Science.

2008 GHOSH, Balaram (b.1955) PhD, FNA, FASc, Formerly JC Bose National Fellow and Scientist H, CSIR Outstanding Scientist, Head, Genomics & Molecular Medicine Unit, Institute of Genomics and Integrative Biology, Mall Road, Delhi - 110007; Res. B114 Shakti Apartments, Sector - 9, Rohini, Delhi - 110085; Tel. (011) 27662580(O), 27860108(R), 09871386414 (M); Email : bghosh14@gmail.com; Sp. Immunology/Molecular Biology/Biochemistry.

1994 GHOSH, Bharati (b. 1938) PhD, Emeritus Scientist (CSIR); Res. J1/2 Labony Estate, Salt Lake City, Kolkata - 700064; Tel. (033) 23506619(O), 23371859(R); Email : bharati@bosemain.ac.in, dulug@yahoo.co.in; Sp.Plant Physiology/Plant Molecular Biology.

2008 GHOSH, Hirendra Nath (b. 1966) PhD, FNA, FASc, Scientist H+, Institute of Nano Science & Technology, Habitat Centre, Sector 64, Phase X, Mohali - 160062; Res. Tel. (0172) 2210075(O), 09920165111(M); Email: hnghosh@inst.ac.in; hnghosh@gmail. com; Sp. Femtosecond Visible, Infrared and Terahertz Spectroscopy/Ultrafast Photochemistry and Reaction Dynamics in Solution Phase/Ultrafast Electron Transfer Dynamics/ Nanostructured Quantum Dot Materials.

2012 GHOŚH, Jimut Kanti (b. 1965) PhD, Chief Scientist, Professor, AcSIR, Biochemistry & Structural Biology Division, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Ext., Sitapur Road, Lucknow - 226031; Res. 3/159 & 160, Sector B, Priyadarshini Colony, Sitapur Road, Lucknow - 226031; Tel. (0522) 2772450 Ext. 4451(O), 2756509(R), 09450113927(M); Fax: 2771941; Email: jk\_ghosh@cdri.res.in; jighosh@yahoo.com; Sp. Peptide Chemistry and Biology/Membrane Biology/Biophysics/Microbial Infection/Metabolism.

2002 GHOSH, Kanjaksha (b.1952) MD, DNB, MAMS (Path), MRCPath(Lond), FRCPath (Lond.), FACP (USA), FICP(Ind.), FISHTM, MRCP(UK&Ire), FRCP, FAMS, Director, Surat Raktadan Kendra & Research Centre, Udhna Magdalla Road, Nr Chosath Jaganio Mataji Temple, Surat – 395002; Tel.(0261) 3937700, 2635536(O); Fax: 2635535; Email: kanjakshaghosh @hotmail.com; Sp. Medicine/Haematology/ Immunology.

2006 GHOSH, Mrinal Kanti (b. 1956) PhD, FASc, Professor, Department of Mathematics, Indian Institute of Science, Bangalore - 560012; Res. DQ-16, Duplex Quarters, Indian Institute of Science, Bangalore - 560012;Tel. (080) 22933210(O), 09880267371(M); Fax: 23600146; Email: mkg@iisc.ac.in; mkg.math.iisc@gmail.com; Sp. Stochastic Control/Stochastic Dynamic Games/Mathematical Finance.

2015 GHOSH, Mrinal Kanti (b. 1966) PhD, FAScT, Chief Scientist (G), Professor, AcSIR, Head, Division of Cancer Biology & Inflammatory Disorder, Translational Research Unit of Excellence, Salt Lake Campus, CSIR-IICB, CN-6, Sector V, Salt Lake, Kolkata - 700091; Res. Jayajayanti Sourav Abasan, Flat-A2, AJ-15, AJ Block, Sec-II, Salt Lake, Kolkata - 700091; Tel. 09836129350(M); Fax: 033-24735197, 24723967; Email: mrinal.res@gmail.com; mrinalghosh@iicb.res.in; Sp. Biochemistry/Molecular Oncology/Targeted Nanodelivery of Nanotherapeutics Across the BBB.

2022 GHOSH, Nirmalva (b. 1974) PhD. FASc. Professor, Department of Physical Sciences, Indian Institute of Science Education & Research (IISER) Kolkata, Mohanpur - 741246; Res. B 14/411, Kalyani, Nadia - 741235; Tel. (033) 61360000 Ext.1257(O), 09734678247(M); Email: nghosh@iiserkol.ac.in; Sp. Optical Physics/Photonics/Experimental Physics.

1997 GHOSH, Prahlad C. (b.1953) PhD, Professor, Department of Biochemistry, University of Delhi South Campus, New Delhi -110021; Res. Type - 5A Apt. Flat No. 3, University of Delhi South Campus, New Delhi-110021; Tel. (011) 24111968(O), 24117560(R), 09810841488(M); Fax: 24115270; Email: pcghose@gmail.com; Sp. Cell Biology/Drug Delivery.

2014 GHOSH, Probir Kumar (b. 1962) PhD, FNA, FNAAS, FISA, FISPP, FWAST, Director and Vice-Chancellor, ICAR-National Institute of Biotic Stress Management, Raipur - 493225, Chhattisgarh; Former Director, ICAR-Indian Grassland & Fodder Research Institute, Jhansi; Tel. (0771) 2277333, 09453042870(M); Email: director.nibsm@icar.gov.in pkgiipr@gm ail.com; Sp. Agronomy/Conservation Agriculture Carbon Sequestration/Soil Water Conservation/Fodder Research.

1993 GHOSH, Ranjit Kumar (b. 1944) PhD, Assistant Director, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata - 700032; Res. Flat D/1,77A, Bade Raipur Road, Kolkata - 700032; Tel. (033) 24733491, 24730492, 24736793(O); Sp. Molecular Biology.

GHOSH, Sankar Kumar (b. 1963) PhD, Professor, Biotechnology, 2015 Assam University, Silchar; Former Vice Chancellor, University of Kalvani, Nadia: Res. 28/2G. Nakuleswar Bhattacheriee Lane. Kalighat, Kolkata - 700026; Tel. 09435372338, 06291672338 (M); Email: drsankarghosh@gmail.com; Sp. Biotechnology/ Healthcare Genomics & Bioinformatics/Biodiversity and DNA Barcoding.

1992 GHOSH, Sibdas (b. 1939) PhD, DSc, Former Professor, Head of the Dept., Programme Coordinator, CAS, Department of Botany, University of Calcutta, Kolkata - 700 019; Res. 4C/44R Gariahat Kolkata -700029; Tel. (033) 24404694(R), 09433130313(M); Email: sibdasghosh@gmail.com; Sp. Cell

Biology/Cytogenetics.

2023 GHOSH, Subimal (b. 1979) PhD, Professor, Dept. of Civil Engineering, Indian Institute of Technology Bombay, Mumbai -400076; Res. Flat 2003, Himadri Building, Indian Institute of Technology Bombay, Mumbai - 400076; Tel. (022) 25767319(O), 09930663969(M); 25768319(R), Email Sp. subimal.ghosh@gmail.com; subimal@iitb.ac.in; Hydrometerology/Regional Climate Modeling/Hydrology.

2023 GHOSH, Sumit (b. 1980) PhD, Senior Principal Scientist, Plant Biotechnology Division, CSIR-Central Institute of Medicinal & Aromatic Plants, PO-CIMAP, Lucknow - 226015; Res. E3, CIMAP Colony, Vikas Nagar, Sector 7, Lucknow - 226022; Tel. (0522)2718518(O). 09565030235(M); **Fmail** sumitghosh@cimap.res.in; sumitg80@gmail.com; Sp. Plant Biochemistry/Plant Molecular Biology/Plant Specialized Metabolism.

2017 **GHOSH, Sundargopal** (b. 1968) PhD,FASc, Professor, Department of Chemistry, Indian Institute of Technology Madras, Room No.317, Chennai - 600036; Res. C2-7/6C, Kurinji Apartment, Indian Institute of Technology Madras, Chennai - 600036; Tel. (044) 22574230(O), 09884432944(M); Email : sghosh@iitm. ac.in; Sp. **Main Group and Organometallic Chemistry.** 

GHOSH, Swapan Kumar (b. 1949) PhD, FASc, FNA, FTWAS, Distinguished Professor, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Kalina, Santacruz (E), Mumbai - 400098; Res. Plot No. 56, Row House, Sector 1, Kopar Khairane, Navi Mumbai - 400709; Tel. (022) 27549108(R), 09222989108(M); Email: swapankghosh@gmail. com; Sp. Theoretical Chemistry/Soft Condensed Matter Physics/Computational Materials Science.

Council: Mem. 2019-20

2010 GHOSH, Swarna Kanti (b. 1955) PhD, FASc, Formerly Senior Professor, Department of Astronomy & Astrophysics, Tata Institute of Fundamental Research, Mumbai; Res. 1, Lovedale Apartments, Minoo Desai Marg, Colaba, Mumbai - 400005; Tel. (022) 22804645(R), 09867204645, 09545514645(M); Email: swarna@tifr.res.in; Sp. Infrared Astronomy/Interstellar Medium/Astronomical Instrumentation.

1976 **GILL, Bakhshish Singh** (b. 1925) PhD, FNA, FNAAS, Veterinary Consultant, Formerly Dean, College of Veterinary Science and Special Director of Research (Veterinary & Animal Sciences), Punjab Agricultural University, Ludhiana; Res. 110/A, Aggar Nagar, Ludhiana-141012; Tel. (0161) 2552931(R); Sp. **Parasitology/Immunology/Epidemiology**.

1996 GILL, Dip Singh (b. 1945) PhD, Professor Emeritus, Department of Chemistry, Panjab University, Chandigarh - 160014; Res. House No. 949, Phase 4, Mohali – 160059; Tel. (0172) 4667676; 09876577154(M); Email : dipgill@yahoo.com; Sp. Physico-Inorganic Chemistry/Copper (I) Chemistry in Pure and Mixed Non Aqueous Solvents, Specially Cu-63 and Cu-65 NMR Studies.

2015 **GIRI, Ashok Kumar** (b. 1952) PhD, DSc, FNA, NASI Senior Scientist, Molecular Genetics Division, Indian Institute of Chemical Biology, Kolkata - 700032; Res. Flat No. C-1102, Mohul Block, Salboni, 64/98C Khudiram Bose Sarani, Kolkata - 700037; Tel. (033) 24995724(O), 09433251823(M); Fax: 24735197; Email: akgiri15@yahoo.com; akgiri@iicb.res.in; Sp. **Genetic Toxicology/Human Genetics/Molecular Biology.** 

2018 GIRI, Ashok Prabhakar (b. 1967), PhD, Former Chair & Senior Principal Scientist, Biochemical Sciences Division, CSIR-National Chemical Laboratory, Pune - 411008; Professor, Academy of Scientific and Innovative Research, India; Res. Bungalow 4, Behind NCL-Campus Post Office, NCL Colony, Pashan Road, Pune - 411008; Tel. (020) 25902710, 25902237(O), 25902411(R), 09850942695(M); Email: ap.giri@ncl.res.in; Sp. Plant Defense Mechanisms/Molecular Insect-Plant Interaction and Plant Secondary Metabolic Pathways.

2021 GIRI, Jitender (b. 1980) PhD, Scientist V, Lab 110, National Institute of Plant Genome Research, Aruna Asaf Ali Road, New Delhi - 110067; Res. H-III-001, National Institute of Plant Genome Research, Aruna Asaf Ali Road, New Delhi - 110067; Tel. (011) 26735227(O), 26735213(R), 09015482433(M); Email: jitender@nipgr.ac.in; Sp. Plant Nutrition/Genomics/Root Development.

2007 GODBOLE, Rohini Madhusudan, (b. 1952) D.Litt.(TMV), D.Litt.(SNDTWU), D.Sc.(IIT(K)), PhD(SUNY), FASc, FNA, FTWAS, Professor, Centre for High Energy Physics, Indian Institute of Science, Bangalore - 560012; Res. E18, IISc Housing Colony, Bangalore - 560012; Tel. (080) 29322845, 23607798(O), 23608357(R); 09448118357(M); Fax: 23600106, 23600683; Email: rohini@iisc.ac.in; godbolerm@gmail.com; Sp. Theoretical High Energy Physics.

Council: V.P. 2017-18

2004 GODWAL, Budhiram Kulanand (b. 1946) PhD, FASc, Former Head, High Pressure Physics Division, BARC, Mumbai; Res. 28, Creekview Co-operative Housing Society, Plot No. 33, Sector 9A, Vashi, Navi Mumbai – 400703; Tel. (022) 27801211(R); Email: bkgodwal@yahoo.com; bkgodwal@gmail. com; Sp. Condensed Matter Physics/High Density Matter/Plasmas.

1989 **GOEL, Prem Shanker** (b. 1947) PhD, FNAE, FNA,FASc, FIETE, FASI, FTWAS, Hon. Distinguished Professor, Room No. 142, ISRO Head Quarters, Antrish Bhavan, Bangalore – 560231; Formerly Secretary, Govt. of India, Ministry of Earth Sciences; Res. No.6, 1st Main, 9th Cross, Opp. BESCOM Office, ISRO Layout, Bangalore – 560111; Tel. (080) 22172150, 23410013 (O), 07382618774(M); Email: dr.psgoel@gmail.com; ps.goel@rcilab.in; Sp. **Satellite Control Systems/Space Technology.** 

GOGATE, Parag Ratnakar (b. 1975) PhD, FNAE, FIChemE, FIEI, FICS, Professor, Dept. of Chemical Engineering, Institute of 2023 Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai - 400019; Res. 1102, Faculty Tower, Institute of Chemical Technology, RA Kidwai Road, Matunga, Mumbai -400019; (022)33611027(O), 33611622(R), Tel. 09820491575(M); 33611020; Fax Email pr.gogate@ictmumbai.edu.in; paraggogate@yahoo.co.in; Sp. **Engineering/Cavitation** Chemical induced **Process** Intensification/Wastewater Treatment.

2005 GOHIL, Ravinder Nath (b. 1946) PhD,FBS, Formerly Professor, Department of Botany, University of Jammu, Jammu; Ex Director, Centre for Biodiversity Studies, BGSB University, Rajouri, J&K; Res.113-114 Greater Jammu, Kunjwani Bye Pass, Jammu - 180010; Tel. (0191) 2483054(R), 09419193164(M); Email: rng04@rediffmail.com; Sp. Cytogenetics/Ethnobotany.

2012 GOKHALE, Rajesh Sudhir (b. 1967) PhD, FNA, FASc, Secretary, Department of Biotechnology, Ministry of Science & Technology, Govt. of India, Block 2, CGO Complex, Lodhi Road, New Delhi - 110003; Res. H-8, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26741452(R), 09811559987(M); Email: rsg@nii.ac.in; Sp. Immunometabolism, Tuberculosis, Vitiligo.

2023 GONGOPADHYAY, Krishnendu (b. 1978) PhD, Professor, Indian Institute of Science Education and Research Mohali, Sector 81, SAS Nagar, Punjab - 140306; Res. MK501, Indian Institute of Science Education & Research Mohali, Sector 81, SAS Nagar, Punjab - 140306; Tel. 08968219204(M); Email : krishnendu@iisermohali.ac.in; Sp. Geometry/Group Theory/Linear Algebra.

- 2014 GOPAKUMAR, Rajesh (b. 1967) PhD, FNA, FASc, FTWAS, Distinguished Professor & Centre Director, International Centre for Theoretical Sciences, Tata Institute for Fundamental Research (ICTS-TIFR), Survey No. 151, Shivakote, Hesaraghatta Hobli, Bangalore 560089; Tel. (080) 46536020(O); Email : rajesh.gopakumar@icts.res.in; gopakumr@gmail.com; Sp. Theoretical Physics/Quantum Field Theory/String Theory.
- 2013 GOPAL, Balasubramanian (b. 1970) PhD, FNA, FASc, Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore 560012; Res. Flat 2, Plot 41, Sri Guru Vanam, ITI Layout, M.S. Ramaiah Nagar, Bangalore 560054; Tel. (080) 22933219(O), 23602838(R), 09880450577(M); Fax: 23600535; Email: bgopal@iisc.ac.in; Sp. Structural Biology/Molecular Biophysics.
- 2023 GOPALAN, Jagadeesh (b. 1966) PhD,FNAE,FASc,FRAeS(UK), Professor, Dept.of Aerospace Engineering, Indian Institute of Science, CV Raman Avenue, Bengaluru 560012; Res. 763/37, 15th B Main, Gokula I State, I Phase, Mathikere, Bengaluru 560054; Tel. (080) 23606250, 22933162(O), 09845037782(M); Fax: 23606250; Email: jaggie@iisc.ac.in; jagadeeshgopalan@gmail.com; Sp. Hypersonic Aerothermodynamics/Shock Waves/Bio-Medical Engineering.
- 1992 GOPALAN, Kunchithapadam (b. 1938) PhD, FNA, FASc, FIGU, FAEG, Former INSA Honorary Scientist, NGRI, Hyderabad; Res. 38765 Adcock Drive, Fremont, California 94536, USA; Tel. (+1-510) 3864484, 7924558(R); Email: gopalank1@rediffmail. com; Sp. Cosmochronology/ Geochronology/Mass Spectrometery.
- 2001 GOPALAKRISHNAN, Jagannatha (b. 1944) PhD(IISc.), FNA, FASc, FWIF, IISC Distinguished Alumnus, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore 560012; Formerly NASI Senior Scientist; Res. Sangeet Apts. #3, 226, 4th Main Road, Malleswaram, Bangalore 560055; Tel. (080) 22932537(O), 23345163(R), 09449545185(M); Fax: 23601310; Email: gopalkrish@iisc.ac.in; gopalj18@gmail.com; Sp. Solid State/ Materials Chemistry.
- 1980 GOPALA KRISHNA, Jonnalagedda (b. 1933) PhD, F.F.A., Formerly Principal, Sciences, Professor, Maths, Andhra University, Visakha; Res. D.No. 8-1-63/32, Doctor's Colony Road, Peda Waltair, Visakha-530017; Tel. (0891) 2754386(R); Email: radhika\_krishna@yahoo.com; Sp. Innovative Psycho-Mathematical Management Techniques/One/Sev Complex Variables/Probability/Non-conventional Techniques.

1990 GOPINATH, Gomathy (b. 1940) M.B.B.S., M.S., FAMS, FASc, Formerly Professor & Head, Department of Anatomy, All India Institute of Medical Sciences, New Delhi; Res. #001 Kanchanjunga Apartments, 122/2 Nagavarapalya, C.V. Raman Nagar, Bangalore - 560093; Tel. (080) 49930117(R); Fax: 25247817(R), 09845338134(M); Email : gomathygopinathnair@gmail.com; gomathyg@hotmail.com; Sp. Neurosciences/Neurobiology.

GOPINATHAN, Karumathil Puthanveetil (b. 1939) PhD, FNA, FASc, INSA Hon. Scientist & Hon. Professor, Microbiology and Cell Biology Department, Indian Institute of Science, Bangalore-560012; Res. 'Abhiman', 369, 11th Cross, R.T. Nagar, Il Block, Bangalore - 560032; Tel. (080) 22932884, 23600090(O), 23333861(R); 09731440030(M); Fax: 23602697; Email: kpg@iisc.ac.in; Sp. Molecular Biology/ Bio-technology.

GOŚWAMI, Arunava (b. 1966) PhD, Professor, Biological Sciences Division, Indian Statistical Institute, 203, BT Road, Kolkata - 700108; Res. E/2-301 Peerless Nagar, 29F, BT Road, Panihati, Kolkata - 700114; Tel. (033) 25835226(O), 09433479125(R), 09433479088(M); Fax : 25773049; Email : agoswami@isical.ac.in; Sp. Agriculture/Molecular Biology/Nano-Agro-Biotechnology.
 GOSWAMI, Bhupendra Nath (b. 1950) PhD, FNA, FASc, FTWAS.

GOSWAMI, Bhupendra Nath (b. 1950) PhD, FNA, FASc, FTWAS, Former Director, IITM, Pune, SERB Distinguished Fellow, Department of Physics, Cotton University, Panbazar, Guwahati-781001; Tel. 09860201144, 07020149530(M); Email: bhupengoswami100@gmail.com; Sp. Tropical Meteorology/Monsoon Dynamics/ Predictability of Weather and Climate.

GOSWAMI, Jitendra Nath (b.1950) PhD, FNA, FASc, FTWAS, Formerly Director, JC Bose National Fellow, Physical Research Laboratory, Navrangpura, Ahmedabad-380009; Res. B-31, Jupiter Towers, Bodakdev, Ahmedabad – 380054; Tel. (079) 26314332(O), 09909950961(M); Fax: 26300374, 26314900; Email: goswami@prl.res.in; Sp. Solar System Studies/Solar-Stellar Relationship/ Geochronology.

Council: Mem. 2008-09

2004

2010 GOSWAMI, Ravinder (b. 1963) MD, DM, FASc, FAMS, Professor, Department of Endocrinology & Metabolism, All India Institute of Medical Sciences, New Delhi - 110029; Res. Flat AG, Type 6, Tower 5, East Kidwai Nagar, New Delhi - 110023; Tel. (011) 26594272(O), 26589837(R), 09818130879(M); Fax: 26588641, 26588663; Email : gosravinder@hotmail.com; Sp. Endocrinology/Hypocalcemic Disorder.

2015 GOSWAMI, Srubabati (b. 1966) PhD, FASc, Professor G, Theoretical Physics Division, Physical Research Laboratory, Navrangpura, Ahmedabad - 380009; Tel. 07926314471(M); Email: sruba@ prl.res.in; Sp. Neutrino Physics.

1998 GOURIE-DEVI, Mandaville (b. 1938) MBBS, MD, DM(Neuro), DSc(hc), FAMS, FIAN, FNAS, Emeritus Professor of Neurology, Institute of Human Behaviour and Allied Sciences, New Delhi; Chairperson, Department of Neurophysiology & Senior Consultant Neurologist, Sir Ganga Ram Hospital, New Delhi; Former Director-Vice-Chancellor, NIMHANS, Bangalore; Res. Flat # 9, Doctors Apartments, Vasundhara Enclave, Delhi 110096; Tel. 09871007544(M); Fax: 22599227; Email: mgouriedevi@gmail.com; Sp. Neurology/ Clinical Neurophysiology/ Neuroepidemiology.

GOVIL, Narendra Kumar (b. 1940) PhD(Montreal), Emeritus 1979 Professor, Department of Mathematics & Statistics, 214C, Parker Hall, Auburn University, Auburn, AL 36849, USA; Res. 523 Owens Road, Auburn, AL 36830, USA; Tel. (334) 844-6558(O). 887-5418(R); Fax: 844-6555: Email: govilnk@auburn.edu; Sp. Approximation Theory/Complex Analysis/ Fourier Analysis.

2004 GOVINDARAJAN, Rama (b. 1962) PhD, FASc, Professor, International Centre for Theoretical Sciences, Tata Institute of Fundamental Research, Bengaluru - 560089; Tel. (080) 46536000(O). 23089166(R), 08106671309(M); Email: rama.govindarajan@gmail.com; rama@icts.res.in; Sp. Fluid Dynamics.

Council: Mem. 2020-21

2019 GOVINDASAMY, Sekar (b. 1971) PhD,FRSC, Department of Chemistry, IIT Madras, Chennai - 600036; Res. B26-2D, Chera Apartment, Delhi Avenue, IIT Madras, Chennai -600036; Tel. (044) 22574229(O), 22576229(R), 08754482987 (M); Fax: 22574202; Email: gsekar@iitm.ac.in; Sp. Organic Synthesis/Asymmetric Synthesis/Catalysis.

1978 GOVINDJEE, Govindjee (b. 1933) PhD(UIUC, Illinois), FAAS (USA). Professor Emeritus of Plant Biology, Biochemistry and Biophysics, University of Illinois at Urbana-Champaign, 286 Morrill Hall, 505, South Goodwin Avenue, Urbana IL 61801-3707, USA.; Res. 2401, South Boudreau, Urbana IL, 61801-6655,USA; Tel. 1-217-721-9954(M), 337-0627(R); Fax: 244-: gov@illinois.edu; Sp. Photosynthesis/ 7246; Email Photobiology.

2015 GOWDA, G.D. Veerappa (b. 1955) PhD, FNA, FASc, Former Professor, TIFR Centre for Application Mathematics, PB No. 6503, Sharadanagar, Bangalore - 560065; Res. # 1262, 10th Main, 1st Cross, Judicial Layout, Bangalore - 560065; Tel. (080) 66953743(O), 09740818971(M); Fax: 66953799; Email: gowda@tifrbng.res.in; Sp. Partial Differential Equations.

1995 GOWRISHANKAR, Jayaraman (b.1956) MBBS, PhD, FNA, FASc, Formerly Director, IISER Mohali; Staff Scientist and Director, CDFD, Scientist, CCMB; Res. N-2, Nemali Meadows, 12-2-715B Padmanaba Nagar, Mehdipatnam, Hyderabad - 500028; Tel. (040) 35586080(R), 09160430111(M); Email: jayaraman. gowrishankar@gmail.com; Sp. Microbial Genetics/Molecular Biology.

GOYAL, Anand Narayan (b.1936) PhD, D.Sc., F.R.A.Sc. (Pilani), 1989 FRAS(Lond.), Formerly Professor & Head, Department of Mathematics, University of Rajasthan, Jaipur - 302004; Res. B-133 A, Rajendra Marg, Bapu Nagar, Jaipur - 302015; Tel. (0141) 515060(R); Sp. Astronomy/Information Theory/ Integral Transforms.

1994 GOYAL, Ashok Kumar (b. 1945) PhD(Pennsylvenia), Reader, Department of Physics, Hansraj College, University of Delhi, Delhi- 110007; Res. 28, Saakshara Apts., A-3 Paschim Vihar, New Delhi- 110063; Tel. (011) 25260982(R), 09818084429(M); Email: agoyal@ducos.ernet.in; Sp. Particle Physics/ Astroparticle Physics.

1982 GOYAL, Kundan Lal (b. 1933) PhD(Petroleum Engg.), PhD (Res.Engg.), DSc(Pet. Engg.), FInstt.Petro. (UK), FBMA (UK), FIE, Director (IMD), ONGC, Gen. Manager, Energy Research, ONGC, Dehradun; Res. 8A Bengali Mohalla Road, Dehradun-248001; Tel. (0135) 2742414(R), 07500628942(M); Sp. Petroleum Engineering/HRD Specialist.

2006 GOYAL, Ramesh K. (b. 1955) PhD, FIACS, FAMS, FIPS, FICN, FIC, Vice Chancellor, Delhi Pharmaceutical Science & Research University, MB Road, Pushp Vihar, Sector 3, Delhi – 110017; Tel. (011) 29552022(O), 09825719111(M); Email: goyalrk@rediffmail.com; goyalrk@gmail.com; Sp. Pharmacol-

ogy/Basic and Clinical Medical Sciences.

1999 **GROVÉR, Anil** (b. 1958) PhD, FNA, FASc, FNAAS, Formerly Senior Professor, INSA Senior Scientist, Department of Plant Molecular Biology, University of Delhi South Campus, Dhaula Kuan, New Delhi - 110021; Res. C1/96 Janakpuri, New Delhi - 110058; Tel. (011) 24111208(O), 43090777(R), 09871618167 (M); Email: anil.anilgrover@gmail.com, agrover@south.du.ac. in: Sp. **Plant Abiotic Stress Biology**.

in; Sp. Plant Abiotic Stress Biology.

1997 GROVER, Arun Kumar (b.1951) PhD, FASc, Emeritus Professor (Honorary) and DAE Raja Ramanna Fellow, Punjab Engineering College (Deemed to be University), Chandigarh-160012; Res. 157, First Floor, Sector 16 A, Chandigarh-160015; Tel. 09815335138(M); Email: arunkgrover@gmail. com; Sp.Magnetism/Superconductivity/Vortex State Studies

Exchange Bias Phenomenon.

2015 **GUHA, Debatosh** (b. 1963) PhD, FNA, FASc, FNAE, FIEEE, Abdul Kalam Technology Innovation National Fellow, Professor, Institute of Radio Physics & Electronics, University of Calcutta, 92 APC Road, Kolkata - 700009; Res. 23/17/2B, DPP Road, Kolkata - 700047; Tel. (033) 23509115/9116(O), 24812263(R), 08910269258(M); Email: dguha@ieee.org; Sp. **Electronics & Telecommunication.** 

1992 **GUHA, Sujoy Kumar** M.B.B.S., M.S.(Illinois), PhD(St.Louis), Professor & Head, Centre for Biomedical Engineering, Indian Institute of Technology & AIIMS, New Delhi; Res. 9 West Avenue, IIT Campus, New Delhi - 110 016; Sp. **Biomedical** 

Engineering.

GULATI, Sheffali (b. 1971) MD,FRCPCH(UK),FAMS,FIAP,FIMSA, Professor, Room No. 805,8th Floor,A Wing, Dept.of Pediatrics, Mother and Child Block, All India Institute of Medical Sciences, Ansari Nagar,New Delhi-110029; Res. F-80, Green Park Main, New Delhi - 110016; Tel. (011) 29576823(O), 35558013(R), 09810386847(M); Fax : 26588663, 26588641; Email : sheffaligulati@gmail.com; sheffaligulati1@gmail.com; Sp. Basic and Clinical Medical Sciences/Neurosciences/Child Neurology.

2022 **GULYANI, Akash** (b. 1974) PhD, Associate Professor, Department of Biochemistry, School of Life Sciences, University of Hyderabad, South Campus, Prof CR Rao Road, Hyderabad - 500046; Res. A 305, Sobha Sapphire, Talacauvery Layout, Amruthahalli, Bengaluru-560092; Tel. (040) 23134760(O), (080) 68446400(R), 09620076993(M); Email: akash.gulyani@uohyd. ac.in; akash.gulyani@gmail.com; Sp. **Biosensors/ Photosensory Systems/Cellular Dynamics.** 

1995 **GUNDALA, Ramanaiah** (b.1936) PhD, Formerly Dean of Science and Humanities, Anna University, Chennai; Res. 'Sri Laxmi Haven', Plot 406A, Il Link Street, Sadasivanagar, Madipakkam, Chennai - 600091; Tel. (044) 22580068(R), 09849024026(M); Email: rgundala2002@yahoo.com; Sp. **Applied Mathematics/Fluid Dynamics.** 

2006 GUNTUPALLI, V.R. Prasad (b. 1958) PhD,FNA, FASc, Professor, Department of Geology, Centre for Advanced Studies, University of Delh, Delhi – 110007; Res. A-I/8 Type V Quarters, University of Delhi, Maurice Nagar, Delhi – 110007; Tel. (011) 27667073(O), 27662568(R), 09868207140(M); Email: pguntupalli@rediffmail.com; guntupalli.vrprasad@gmail.com; Sp. Mesozoic Vertebrate Palaeontology/Evolution of Mesozoic Mammals/ Cretaceous-Palaeobiography of India.

1949 **GUPTA, A.C.** (b. 1913) F.R.I.C.(Lond.), Formerly Head, Oil & Paint Department; Res. 2A/21, Azad Nagar,Nawabganj, Kanpur-208

002; Sp. Oil & Paint Technology.

1988 GUPTA, Alok K. (b. 1942) PhD (Pittsburgh), FNA, FASc, Adjunct Professor, IIT (ISM); Formerly Emeritus Professor, NCEMP, Allahabad University; Res. Flat No. E202, Kaikhali Chiria More, Green Valley Complex, Kolkata - 136 Tel. 08601350902 (M); Email : alok.krishna.gupta@gmail.com, Sp. Experimental Petrology/Thermodynamics.

Council: V.P. 95-96 G.S. 97-Jan 99 F.S. 93-94 Mem. 92

2006 GUPTA, Anil Kumar (b. 1960) PhD, FASc, FNA, FTWAS, JC Bose National Fellow & Professor, Department of Geology & Geophysics, Indian Institute of Technology, Kharagpur- 721302; Tel.(03222) 283368(O), 09434021903, 08126661820(M); Email: anilg@gg.iitkgp.ac.in; anilg@iitkgp.ac.in; anilgupta021160@gmail.com; Sp. Paleomonsoon/ Global Climates/Paleoceanography.

Council: Mem. 2014-15

2020 GUPTA, Ashok Kumar (b. 1969) PhD, FNAE, Professor, Environmental Engineering Division, Department of Civil Engineering & Head, School of Water Resources, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. A-152, IIT Kharagpur Campus, IIT Kharagpur, Kharagpur, Tenzilog; Tel. (03222) 283428(O), 283429(R), 09434018623(M); Email: agupta@civil.iitkgp.ac.in; akgupta@iitkgp.ac.in; Sp. Environmental Science & Engineering/Water Treatment/ Wastewater Management and Reuse.

GUPTA, Avadhesh Kumar (b. 1943) D.Phil.,D.Sc. (France), Professor Emeritus, Centre for Polymer Science & Engineering, Indian Institute of Technology, New Delhi-110016; Res. C-364, Prodyogiki Apts., Sector 3, Plot-11, Dwarka, New Delhi-110075; Tel. (011) 26591422(O), 26591971(R); 09810268323 (M); Fax: 26591421; Email: akgncute@ hotmail.com;Sp. Polymer Science/Polymer Blends and Composite Materials.

Council : Mem. 2011-12

2004 GUPTA, Braj Bansh Prasad (b. 1959) PhD, Professor, Environmental Endocrinology Laboratory, Dept. of Zoology, North-Eastern Hill University, Shillong - 793022; Res. Qr.No. P-5, NEHU Permanent Campus, Shillong - 793022; Tel. (0364) 2722316, 2722317, 2722304(O), 2550085(R), 09436100185 (M); Fax: 2550108; Email: gupta@nehu.ac.in; brajbansh@gmail.com; Sp. Endocrinology/ Neuroendocrinology/ Reproductive Physiology.

GUPTA, Chhitar Mal (b. 1944) PhD,FNA, FASc, FAMS, FTWAS, Distinguished Professor & Infosys Chair, Room No. GF-18, Institute of Bioinformatics and Applied Biotechnology, Biotech Park, Electronics City, Phase – I, Bangaluru – 560100; Res. Appt. No. D-508, Raheja Residency, 3<sup>rd</sup> Block, Koramangala, Bangaluru – 560034; Tel. (080) 28528900-8902, Extn. 109(O), 40903534(R), 08884900233(M); Email: guptacm@ibab.ac.in; cm44gupta@gmail.com, drcmg@rediffmail.com; Sp. Membrane Biology/ Medicinal Chemistry/ Bioorganic Chemistry.

1986 GUPTA, Harsh Kumar (b. 1942) PhD, Fellow, International Science Council; Foreign Member, Russian Academy of Sciences; FNA, FTWAS, FAGU, NASI Senior Scientist, Member, Atomic Energy Regulatory Board, National Geophysical Research Institute, Uppal Road, Hyderabad - 500007; Currently President, GSI; Past President of IUGG; Formerly Member, National Disaster Management Authority; Secretary to the Govt. of India, Department of Ocean Development; Res. N-1/A, Manjusha, Kakatiya Nagar, Habshiguda, Hyderabad - 500007; Tel. (040) 27012600, 27012866(O); Fax: 27012866; Email: harshndma@ gmail.com; harshg123@gmail.com; Sp. Geophysics/ Seismology.

1998 **GUPTA, Indu** (b. 1943) M.B.B.S., M.D., PhD, FAMS, FIMSA, Professor, Department of Obstet. Gynae., PGI, Chandigarh - 160012; Res. H.No. 276, Sector 6, Panchkula; Tel. (0172) 2747585 Ext. 6346(O), 2565628, 2578730(R); Email: indurc43 @gmail.com; Sp. **Obstetrics and Gynaecology.** 

2008 GUPTĂ, Kailash Chand (b.1952) PhD, FNA, Distinguished Scientist Chair (ICMR), Nucleic Acids Research Laboratory, CSIR-Institute of Genomics and Integrative Biology, Mall Road, Delhi University Campus, Delhi – 110007; Formerly Director, IITR, MG Marg, Lucknow; Res. 233, Dharamkunj Apartments, Sector 9, Rohini, Delhi-110085; Tel.(011) 27662491(O), 08800994239, 09628106106(M); Fax: 27667471; Email: kcgupta@iitr.res.in; kcgupta@igib.res.in; kcgupta9@gmail.com; Sp. Nano-Biotechnology/Nucleic Acids Chemistry.

1995 GUPTA, Laxmi Chand (b.1938) PhD, FNA,FASc, FTWAS, Formerly Senior Professor, TIFR, Mumbai; Res. 174, NUOVO Apartments, Sector 10, Plot 25, Dwarka, New Delhi – 110075; Email: lcgupta@tifr.res.in; lcgupta38@yahoo.com; Sp. Superconductivity and Magnetism in quaternary borocarbides, NMR/NQR/ Mu-SR, Valence Fluctuations and Heavy Fermions.

Council: Mem. 99-2000

1995 GUPTA, Manjul (b.1951) PhD, Former Professor, Department of Mathematics & Statistics, Indian Institute of Technology, Kanpur- 208 016; Res. 102, Ravindra Garden, Sector E, Aliganj, Lucknow-226024; Tel. (0522)4242340(R), 09140298740(M); Email: manjul@iitk.ac.in; Sp. Functional Analysis-Schauder Bases, Decompositions/Scalar & Vector Spaces, Sequence Infinite Dimensional Holomorphy/Operator Theory - Ideals of Linear Operators, Hypercyclicity & Approximation Property.

1969 **GUPTA, Manoranjan Prasad** (b. 1926) PhD, Formerly Head, Physics Department, Ranchi University, Ranchi; Res. Shivpuri (First House), Ranchi-834 008; Tel. (0651) 22336(O), 23597(R); Sp. **X-Ray Diffraction.** 

2021 **GUPTA, Meetu** (b. 1970) PhD, Professor, Department of Biotechnology, Jamia Millia Islamia, Central University, New Delhi - 110025; Res. Type V-002, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26735142(R), 09818911750(M); Email : meetu\_gpt@ yahoo.com; mgupta@jmi.ac.in; Sp. **Ecotoxicogenomics/Plant Molecular Biology/Environmental Biotechnology.** 

2005 **GUPTA, Munishwar Nath** (b. 1948) PhD, FNA, Formerly Emeritus Professor, Department of Biochemical Engineering & Biotechnology, Indian Institute of Technology Delhi, Hauz Khas, New Delhi; Res. 508, Block III, Kirti Apartments, Mayur Vihar Phase 1 Extension, Delhi - 110091; Tel. 09315506902(M); Email:mn\_gupta@hotmail.com; munishwar48@yahoo.co.uk; Sp. **Applied Enzymology.** 

1998 **GUPTA, Narinder Kumar** (b. 1942) PhD, FNA, FNAE, FTWAS, INSA Honorary Scientist, Department of Applied Mechanics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016; Res. A-53, Gyandeep Apartments, Mayur Vihar Phase I, Delhi- 110091; Tel. (011) 26591178(O), 40347192(R); 09013823907(M); Fax: 26581119; Email: nkgupta@am. iitd.ac.in; Sp. **Plasticity and Impact Engineering.** 

1981 **GUPTA, Nawal Kishore** (b. 1917) PhD(Panjab), PhD(London), Formerly Professor, Zoology Department, Panjab University, Chandigarh; Res. 2832, Sector 40-C, Chandigarh - 160 040; Sp. **Parasitology.** 

2023 GUPTA, Nivedita (b. 1974) PhD, Scientist G & Head, Communicable Diseases Div., Indian Council of Meidical Research, Ansari Nagar, New Delhi - 110029; Res. H.No. 565, Mandakini Enclave, Gate No. 1, Alaknanda, New Delhi - 110019; Tel. (011) 26588296(O), 41349030(R), 08447509008(M); Email : guptanivedita.hq@icmr.gov.in; Sp. Science Policy/Science & Technology/S&T Management.

2004 GUPTA, Parshotam Dass (b. 1952) PhD, Former Director, RRCAT & VC, HBNI; Res. 25 Parmanu Nagar, CAT Rau Road, PO RRCAT,Indore-452013;Tel.(0731)2487300(R);Email: pdgupta@rrcat.gov.in; pdgupta@gmail.com; Sp. Laser Plasma Interaction/High Intensity Laser/X-ray&Plasma Diagnostics, Synchrotron Radiation Sources, Superconducting RF Cavities.

2003 **GUPTA, Pradeep Kumar** (b. 1954) PhD, FASc, Former Visiting Professor, IIT Delhi and Distinguished Scientist Raja Ramanna Centre for Advanced Technology, Indore; Res. 23-B, Parmanu Nagar, PO RRCAT, Indore – 452013; Tel. 09131181110(M); Email: pkgupta54@gmail.com; Sp. Lasers/Biomedical Applications of Laser/Nonlinear Optics.

1990 GUPTA, Purshottam Das (b. 1939) PhD, Deputy Director, Centre for Cellular & Molecular Biology, Hyderabad - 500 007; Res. D-1, IICT Staff Quarters, IICT Campus, Hyderabad - 500 007; Tel. (040) 672241(O), 671556(R); Sp. Cell Biology.

GUPTA, Pushpendra Kumar (b. 1936) PhD(Manitoba), FBS, FISG, FNA, FASc, FNAAS, Emeritus Professor; Formerly INSA & NASI Senior Scientist, Molecular Biology Laboratory, Department of Genetics and Plant Breeding, Ch. Charan Singh University, Meerut-250004; Res. F-119, Shastri Nagar, Meerut-250004; Tel. (0121) 2974526(R), 09411619105, 06395372254 (M); Email: pkgupta@ccsuniversity.ac.in; pkgupta36@gmail.com; Sp. Cytogenetics/ Genetics & Plant Breeding/Crop Biotechnology.

- 1991 GUPTA, Radha Charan (b. 1935) PhD, Formerly Professor of Mathematics, B.I.T., Mesra, Ranchi; Editor, Ganita Bharati; Res. (Ganita Bharati Academy), R-20, Ras Bahar Colony, P.O. Sipri Bazar, Jhansi - 284003; Tel. 09415965574(M); Sp. History of Mathematics.
- GUPTA, Raj Krishan (b. 1946) PhD, FNA, FNAAS, President, Society for Promotion of Agricultural Research Knowledge, CG Block, NASC Complex, DPS Marg, Pusa, New Delhi; Res. B4/205 FF, Safdarjung Enclave, New Delhi 110029; Tel. (011) 26181175; 09711009365(M); Email: rajbisa2013@gmail.com; Sp. Soil Science/Land Reclamation, Use of Low Quality Waters, Conservation Agriculture and Farmer Participatory Adaptive Research.
- GUPTA, Raj Kumar (b. 1932) PhD(Poona), Dr.Es.Sc. (Toulouse), Ex. Chief Techn. Advisor,FAO, Principal Scientist & Head of Division, Central Soil & Water Conservation Research & Training Institute; Director & Consultant Ecologist, Centre for Research on Ecology, Environmental Applications, Trg. & Edn.(CREATE); Res. 91/2 Vijay Park, Dehradun-248001; Tel. (0135) 2623437(R); Fax: 2625495; Sp. Ecology/Floristics/Integrated Resource Management in Watersheds of Mountain & Desert Areas.
- 2001 **GUPTA, Rakesh Kumar** (b. 1955) M.D., FAMS, Director & Head, Radiology and Imaging Department, Fortis Memorial Research Institute, Sec: 44, Gurgaon 122002; Res. B202 Park Heights, Park Place, DLF Phase V, Sector 54, Gurgaon 122022; Email: rk.gupta@fortishealthcare.com; rakeshree1@gmail.com; Sp. **Magnetic Resonance.**
- 2021 GUPTA, Ritu (b. 1972) MBBS, MD, DNB, Professor & Officer-in-charge, Laboratory Oncology, Room No. 239, Second Floor, Dr. B.R.A. IRCH, AIIMS, Ansari Nagar, New Delhi 110029; Res. E-103, Ansari Nagar East, AIIMS Campus, New Delhi 110029; Tel. (011) 26594439(O), 26593576(R), 09873433275(M); Email: drritugupta@gmail.com; Sp. Pathology/Hemato-Oncopathology/Genomics & Cellular Biology.
- 2005 GUPTA, Santosh Kumar (b. 1946) PhD, FASc, FNAE, NASI Senior Scientist, Department of Chemical Engineering, IIT Kanpur, Kanpur; Tel. 09554272320(M); Email: skgupta@iitk.ac.in; Sp. Polymer Engineering & Science/Optimization/Simulation of Chemical Engineering Systems.

Council: Mem. 2007-08, 2015

1994 **GUPTA, Satish Kumar** (b. 1953) PhD, FNA, FASc, FAMS, Former Deputy Director, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi – 110067; Res. KG-04, Mahindra Aura, Bajghera Road, New Palam Vihar, Sector 110A, Gurgaon - 122017; Haryana; Tel. 09810966357(M); Email : skgupta.nii53@gmail.com; Sp. **Cell Biology/Reproductive Immunology/Vaccines/Immunodiagnosis.** 

- 1985 **GUPTA, Satya Prakash** (b. 1945) D.Phil., Formerly Professor, BITS, Pilani; Distinguished Professor, MIET, Meerut; Department of Applied Science, National Institute of Technical Teachers' Training and Research (NITTTR), Bhopal; Res. D-242, Sector 3, Anshal Sushant City, Meerut 250002; Tel. 08889534745(M); Email: spgbits@gmail.com; Sp. Quantum Chemistry/ Biophysics/Computer-Aided Drug Design.
- 1980 GUPTA, Sita Ram (b. 1929) D.Phil.(Alld), PhD, D.I.C.(Lond), C.Chem., F.R.I.C., FIE, Technical & Management Consultant; Res. 28/701, East End Apt, C.G.H.S. Ltd., Mayur Vihar Phase-I, Extn., New Delhi 110096; Tel. (011) 2712002(R); Sp. Electro Chemistry and Industrial Chemicals.
- 2008 GUPTA, Sunil Kumar (b.1955) PhD, Raja Ramanna Fellow, TIFR & & BARC, Mumbai; Formerly Sr. Professor, TIFR, Homi Bhabha Road, Mumbai 400005; Res. 11F2802, Indiabulls Greens, Marigold Sector, Panvel 400005; Tel. 09869439435(M); Email: gupta@grapes.tifr.res.in; gupta.crl@gmail.com; Sp. Physical Sciences.
- 1994 **GUPTA, Suresh Chandra** (b. 1934) PhD, F.I.S.I., FNAE, Formerly Dr.Brahm Prakash Distinguished Professor, ISRO/DOS, Formerly Director, Vikram Sarabhai Space Centre, Trivandrum; Res. Vidya, Pulayanarkotta Road, Trivandrum- 695031; Tel. (0471) 2442963; Email: suvidya456@gmail.com; Sp. **Control & Instrumentation/ Space Technology.** 
  - Awards: SICO sponsored National Academy of Sciences, India Award for Instrumentation (1989).
- 1990 GUPTA, Suresh Chandra (b. 1939) MD, MACPath(London), FRCPath(London), FICPath, FAMS, FICAI, Emeritus Professor of Pathology, M.L.N. Medical College, Prayagraj-211 001; Res. 168/117/1, Darbhanga Colony, Near Durga Puja Pandal, Prayagraj-211001; Tel. (0532) 2461163(R), 9839051033(M); Sp. Medical Pathology.
- 2001 GUPTA, Sushil Kumar (b. 1946) PhD, FGSA, Scientist 'SG', Physical Research Laboratory, PO Box 4218, Navrangpura, Ahmedabad 380009; Res. A-2, Shri Krishna (BOD.) Society, NR. LAAD Society, Ahmedabad- 380054; Tel. (079) 6302129 Extn. 4259(O), 6850819(R); Fax:6301502; Email: skgupta@prl.res.in; Sp. Hydrology.
- 2008 GUPTA, Vinod Kumar (b.1953) FWIF, FRSC, Former Professor & Head of Chemistry, IIT Roorkee; Res. C/o Rajat Shikhar Gupta, B-301, Pearl Heights, Ramprastha Greens, Pocket-10, Vaishali, Sector 09, Ghaziabad 201010; Email: vinodfcy@gmail.com; Sp. Chemical Sensors/ Waste Water Treatment/ Electroanalytical Chemistry.

2021 GUPTA, Virendra Kumar (b. 1960) PhD, Senior Vice President, Research & Development, Reliance Corporate Park, Reliance Industries Limited, Navi Mumbai - 400701; Res. 12A, Tower07, Beverlypark Residences, Sector 14, Koparkhairne, Navi Mumbai - 400709; Tel. 09998965284(M); Email : virendra kumar.gupta@ril.com; virendrakumargupta18@gmail.com; Sp. Organometallic Chemistry/Polymer Science/R&T Management.

1994 **GUPTA, Vishnu Deo** (b. 1941)PhD, Formerly Professor of Inorganic Chemistry, BHU; Res. B-31/83, 28-29, Rashmi Nagar, Lanka, Varanasi - 221005; Tel. (0542) 2367425(R); Sp.

Organometallics/Coordination Chemistry.

1983 **GUPTA, Vishwambhar Dayal** (b. 1933) D.Phil., Formerly Vice-Chancellor, University of Gorakhpur, Professor & Head, Dept. of Physics, University of Lucknow, Lucknow; Tel. (0522) 75947(O), 74791(R); Sp. **Study of Macromolecules.** 

2007 **GUPTA, Yashwant** (b. 1962) PhD, FNA, FASc, FNAE, Distinguished Professor and Centre Director, NCRA (TIFR), Pune University Campus, Pune - 411007; Res. Surya, Director's Bungalow, NCRA Colony (TIFR), Pune University Campus, Pune - 411007; Tel. (020) 25719000, 25719242(O), 25719342(R); Fax: 25692149; Email: ygupta@ncra.tifr.res.in; Sp. **Astronomy/Astrophysics.** 

2008 GUPTA, Yogendra Kumar (b. 1953) MBBS, M.D., FAMS, FST, FIPS, Professor & Head, Department of Pharmacology, All India Institute of Medical Sciences, Formerly Director, IITR (CSIR), Room. No. 4012, Dept. of Pharmacology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi- 110029; Cl/16, Ansari Nagar, New Delhi - 110029; Tel. (011) 26593282(O), 26589691(D), 6594516, 26589602(R), 09868868457(M), Fax: 26589691; Email: yk.ykgupta@gmail.com; Sp. Neuropharmacology/Clinical Pharmacology/ Toxicology.

1968 GUPTA, Yugul Kishore (b. 1924) D.Phil., Formerly Professor of Chemistry, Head, University of Rajasthan; Res. J/5, Phase II, Shivalik Nagar, Hardwar - 249403; Tel. (01334) 230587, 230587(R); Sp. Physical Chemistry/Kinetics and Mechanism

/Analytical Chemistry.

GUPTE, Neelima Madhukar (b. 1956) PhD, Professor Emeritus,
Department of Physics, IIT Madras, Chennai - 600036; Res. 4A
Sai Sukrta, Il Main Road, Anna Nagar, Velachery, Chennai 600042; Tel. (044) 22574861(O), 22432402, 22431878(R),
09382196594(M); Email : gupte@iitm.ac.in; Sp. Nonlinear
Dynamics/Statistical Physics/Complex Systems.

1994 **GURJAR, Mukund Keshao** (b 1952) PhD, FASc, Director (R&D) & Chief Scientific Officer, Emcure Pharmaceuticals Limited, P2, ITBT Park, Phase II, MIDC, Hinjwadi, Pune – 411057; Tel. (020) 39821350, 39821300(O), 25887674(R), 09860300001(M); Fax: 39821445; Email: mukund.gurjar@emcure.co.in; Sp. **Organic Chemistry.** 

1997 **GURJAR, Rajendra Vasant** (b.1950) PhD, FNA, INSA Senior Scientist Fellow, Department of Mathematics, IIT Bombay, Powai, Mumbai - 400076; Res. 1403 Whispering Woods, Powai Vihar Complex, Mumbai - 400076; Tel. 09004506661(M); Email: gurjar@math.iitb.ac.in; rv.gurjar50@gmail.com; Sp.Algebraic Geometry/Commutative Algebra.

1997 HABIBULLAH, Chittoor Mohammed (b.1936) M.D., D.M., F.A.C.G., FRCS, FAMS, Director, Centre for Liver Research & Diagnostics, Deccan College of Medical Sciences. Kanchanbagh, Hyderabad - 500058; Res. 29, 'Baitul Habeeb', Venkateshwara Colony, Narayanguda, Hyderabad- 500029; Tel. (040) 24342954(O), 24753232(R); Fax: 24342954(O), 24752242(R); Email : cmhabib@rediffmail.com; Gastroenterology/Hepatology.

2015 HABIB, Saman (b. 1968) PhD, FASc, FNA, Chief Scientist, Division of Biochemistry & Structural Biology, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Ext., Sitapur Road, Lucknow - 226031; Res. 206, Heritage Apts., MM Malviya Marg, Lucknow - 226001; Tel. (0522) 2771940, 1960 Extn.4447(O), 2204430(R); Fax: 2771941; Email: saman\_ habib@cdri.res.in; saman.habib@gmail.com; Sp. Biology/Molecular and Cell Biology/Population Genetics.

2013 HAIDER, Syed Aftab (b. 1958) PhD,FNA,FASc, JC Bose National Fellow, Senior Professor & Coordinator, Planetary Science & Exploration Division, Physical Research Laboratory, Navrangpura, Ahmedabad - 380009; Res. Bunglow 9, Unique Park Society (Opp. Bacha Motors), Sarkhej Road, Ahmedabad -380055; Tel. (079) 26314950(O), 26825302(R), 09662327992 (M); Fax: 26314659; Email: haider@prl.res.in; Sp. Planetary Atmospheres/Mars Aeronomy/Cometary Atmospheres.

2014 HAJRA, Saumen (b. 1968) PhD, Professor, Centre of Bio-Medical Research (CBMR), SGPGIMS Campus, Raebareli Road, Lucknow - 226014; Res. Flora Apartment, Flat-03, 1349, Purbachal Main Road, 30/Q Hospital Road (East), Kolkata -700078; Tel. 09434706117(M); Fax: (0522) 2668995; Email: saumen.hajra@gmail.com; saumen.hajra@cbmr.res.in; Asymmetric Synthesis/ Asymmetric Catalysis/Diversity -Oriented Synthesis (DOS)/Stereo-divergent Synthesis of Compounds with Multi-Stereocenters.

HANDA, Sukhdev Swami (b. 1940) M.Pharm., PhD(Lond.), 1993 Formerly Director, Regional Research Laboratory (CSIR), Jammu; Res. Executive Villa, #522A, Block C, Sushant Lok-1, Gurgaon - 100202; Tel. (0124) 4041526, 09312324300(M); Email : sshanda2008@yahoo.co.in; Sp. **Pharmacognosy** (Drugs from plants)/Herbal Drugs.

HANS-GILL, Rajinder Jeet (b. 1943) PhD (USA), FNA, FASc. 1998 FTWAS, Emeritus Professor and INSA Honorary Scientist, CAS in Mathematics, Panjab University, Chandigarh - 160 014; Res. 1611, Sector 44B, Chandigarh - 160047; Tel.(0172) 2541132(O), 2624837(R); Email : hansgill@pu.ac.in, hansgillrj @yahoo.co.in; Sp.Geometry of Numbers.

HARINARAYANA, Kota (b. 1943) PhD, FNAE, FASc, FNA, SERB 2007 Distinguished Fellow, CSIR-NAL, Bangalore; Res. NEB 3/401, Sriram Spandana, Chellaghatta, Off Wind Tunnel Road, Bangalore - 560037; Tel. (080) 25086003(O), 42019017(R), 09880796012(M); Email: hnkota@yahoo.com; Sp. Aeronautical Engg./Aircraft Design/Technology Management.

Council: Mem. 2011-12

2006 HARITSA, Jayant Ramaswamy (b. 1964) PhD, FACM, FIEEE, FNAE, FNA, FASc, Professor, CDS, Indian Institute of Science, Bangalore - 560012; Res. 17/1, Vanivilas Road, Basavanagudi, Bangalore - 560004; Tel. (080) 22932793(O), 09449015894(M); Fax: 23602648; Email: haritsa@iisc.ac.in; jharitsa@gmail.com; Sp. Information Technology.

HASNAIN, Seyed Ehtesham (b. 1954) PhD, DSc(hc), DMedSc(hc), FNA, FASc, FTWAS, ML, FAAM, Member, German National Academy of Sciences-Leopoldina, Fellow, American Academy of Microbiology, National Science Chair, Department of Biochemical Engineering and Biotechnology, Indian Institute of Technology, Hauz Khas, New Delhi - 110016; Distinguished Professor, Sharda University, G.Noida; Tel. (011) 26548498(O), Email: sehiitd@gmail.com; seyed.hasnain@sharda.ac.in; seh@dbeb.iitd.ac.in; Sp. Functional Biology, Molecular Pathogenesis, new diagnostics and Novel interventions against Human Pathogens.

Council: F.S. 2003-04 Mem. 2000-2002

2019 HASSAN, Puthusserickal Abdulrahiman (b. 1968) PhD, Scientific Officer H,Head,NBS; Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085; Res. 1A, Kanchanjunga, Anushaktinagar, Mumbai - 400094; Tel. (022) 25595099(O), 25574997(R), 08828282297(M); Fax: 25505151; Email: hassan@barc.gov.in; Sp. Colloids/Polymers/Surfactants.

- 2015 **HEGDE, Narayan Ganapa** (b. 1947) PhD, FNIE, Former President, BAIF Development Research Foundation, Pune; Res. 1105/9-2, Sangeet Kala Path, Off Hare Krishna Mandir Road, Model Colony, Pune-411016; Tel. (020) 25659342(R), 09890181848 (M); Email: narayanhegde47@gmail.com; Sp. Socio-Forestry and Rural Development.
- 1986 **HIREMATH, Shivayogi Pattadarya** (b. 1937) PhD, Hon.D.Sc., Former Vice-Chancellor, Kuvempu University; Res. III Main, Kalyan Nagar, Near Vardha Apartments, Dharwad 580007; Sp. **Organic Chemistry.**
- 2011 HOME, Dipankar (b. 1955) PhD, NASI Senior Scientist; Senior Professor, Department of Physics, CAPSS, Bose Institute, Sector V, Salt Lake, Kolkata 700091; Res. HA 155, Sector III, Salt Lake, Kolkata 700097; Tel. (033) 25693105(O), 23349223(R); Email: quantumhome80 @gmail.com; Sp. Foundation of Quantum Mechanics/ Quantum Information.
- HOSUR, Ramakrishna Vijayacharya (b.1953) PhD, FNA, FASc, FTWAS, Professor, Department of Chemical Sciences, Tata Institute of Fundamental Research, 1 Homi Bhabha Road, Colaba, Mumbai 400005; Res. 301, Satyendra, TIFR Hsg.Colony, Colaba, Mumbai 400005; Tel. (022) 22804545 Ext. 2488(O), 22803488(R), 09987051556(M); Email: hosur53 @gmail.com; hosur@tifr.res.in; Sp. Physical Chemistry/NMR/Structural Biology.

Council: Mem. 2009-2010, 2013-14

2015 HOTI, Sugeerappa Laxmanappa (b. 1956) PhD, FISP, FNSI, ICMR-Emeritus Scientist, ICMR-Vector Control Research Centre, Puducherry-605006; Former Director-in-Charge & Scientist G, ICMR-National Institute of Traditional Medicine, Belagavi; Res. Plot No.27, Vivekanandar st., Dr Radhakrishnan Nagar, Puducherry - 605009; Tel. (0413) 2272071(O), 08105536970(M); Email: slhoti@yahoo.com; Sp.Vector Borne Diseases/Immunology/Biotechnology.

Council: Mem. 2017-18

HUSAIN, Akhtar (b. 1928) PhD,FNA, FNAAS, Emeritus Scientist & Formerly Director, Central Institute of Medicinal & Aromatic Plants, P. Bag No. 1, R.S.M. Nagar, Lucknow - 226 016; Res. 50, Adil Nagar, Kalyanpur, Lucknow - 226022; Tel. (0522) 2752479(R); Sp. Plant Pathology.

2005 IQBAL, Muhammad (b. 1952) PhD, FLS, FNESA, FAEB, FBS, FNIE, FISPM, FISEB, Former Professor, Dean & Vice Chancellor, Jamia Hamdard, New Delhi; Res. Flat #101, New Horizon Apartment, RZ 2677A, Gali 28, Tughlaqabad Ext., New Delhi - 110019; Tel. 09873137770(M); Email: iqbalg5@yahoo. co.in, muhammadiqbalg5@gmail.com; Sp. Developmental and Environmental Botany/Medicinal Plants.

1987 IYENGAR, Echiambady Rajagopala Rangaswamy (b. 1935) PhD, Formerly Professor Emeritus (CSIR), Department of Crop. Physiology, University of Agriculture Sciences, GKVK, Bangalore; Formerly Scientist (Director Grade), CSMCRI, Bhavnagar; Res. 1515/40, 39th 'F' Cross, 4th T Block, Jayanagar, Bangalore - 560041; Tel. (080) 26635330(R); Email: rromgaswamy1515@rediffmail.com; Sp. Physiology/Stress Physiology/Molecular Biology.

1995 IYENGÁR, Rangachar Narayana (b.1943) PhD, FASc. FNAE, FGSI, Distinguished Professor & Director, Centre for Ancient History & Culture; Jain University, CMS Complex 25<sup>th</sup> Main, JP Nagar, 6<sup>th</sup> Phase, Bengaluru – 560078; Tel. (080) 43430400(O), 26711119(R), 09880030082 (M); Fax: 27577199; Email: rn.iyengar@jainuniversity.ac.in; aareni@yahoo.com; Sp. History of Science/Disaster Mitigation/ Structural Dynamics/Random Vibration/ Engineering Seismology.

2013 IYER, Jaya Naganathan (b. 1970) PhD,FASc, Professor (G), Institue of Mathematical Sciences, CIT Campus, Taramani, Chennai - 600113; Res. A9, Shakti Tripura Sundari Apts., East Mada Str, Tiruvanmiyur, Chennai - 600041; Tel. (044) 22543306(O); Fax: 22541856; Email: jniyer@imsc.res.in; Sp. Algebraic Geometry.

1981 **IYER, S.R. Sivaraja** PhD, Professor & Head, Chemistry Section, Chemical Technology Dept., University of Bombay, Matunga, Mumbai-400 019; Sp. **Chemical Technology.** 

JACOB, Kallarackel Thomas (b. 1944) PhD(Lond.), DSc (Engg.) (Lond.), FNA, FASc, FNAE, FIIM, FACerS, Emeritus Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore - 560012; Res. 210, Indira Nagar, Stage-I, 7th Cross, Bangalore - 560038; Tel. (080) 22932494(O), 35843074(R), 09845479865(M); Fax : 23600472; Email: katob@iisc.ac.in; Sp. Thermodynamics of Materials/Extraction, Synthesis and Purification of Materials/High Temperature Solid State Chemical Sensors/Fuel Cells and Electrolyzers/High Temperature Reactions.

JAFRI, Ahmad Khalil (b. 1941) PhD, Formerly Professor of 1988 Zoology, Aligarh Muslim University, Aligarh; Res. Raipura Lodge, Dodhpur, Civil Lines, Aligarh - 202001; Tel. (0571) 2700920/21-301(O), 2401061(R); Fax:2700528; Email: ahmadkjafri@yahoo.com; Sp. Fishery Science/ Fish Biochemistry/Aquaculture Nutrition.

JAGANNATHAN, N.R. (b. 1954) PhD,FASc,FAMS,FNA, FISMRM (USA), FISC, Distinguished Visiting Professor, Koita Centre for 2000 Digital Health (KCDH), IIT Bombay, Mumbai - 400076; Adjunct Professor, Dept. of Electrical Engineering, IIT Madras, Chennai and Visiting Professor, Dept. of Radiology, Sri Ramachandra Inst. of Higher Education & Research, Chennai - 600116. Res. A-49, Flat # S-2, SBI Colony Main, Hindu Colony, 12th Cross Street, Nanganallur, Chennai - 600061; Tel. 09968292772(M); jagan1954@hotmail.com; Sp. nrjgj@yahoo.co.in; Clinical and Pre-clinical Cancer Research using Molecular Imaging (MRI) & in-vivo NMR Spectroscopy/Functional MRI Studies/Metabolomics/ Biophysics.

Council: F.S. 2015-16

1980 JAIN, Amolak C. (b. 1929) PhD, Formerly Professor, Indian Institute of Technology, Kanpur; Technical Director, Flight Research and Technology Division, Science & Technology Corp., 101, Research Dr., Hampton, VA 23666, USA; Tel. 757-865-0567(O), 757-838-6377(R); Sp. Computational Fluid Mechanics/Heat Transfer/ Hypersonic Rarefield Flows.

JAIN, Ashok(b.1938) PhD, Formerly Director, NISTADS; Res. 527, 1997 Pocket B, Sarita Vihar, New Delhi - 110076; Tel. 09810189116(M); Email: ashokexnistads@gmail.com; Mathematical Modeling/Science & Society.

2023 JAIN, Deepali (b. 1975) MD, DNB, FIAC, FRCPath, Professor Department of Pathology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 110029; Res. 383, Second Floor, Gagan Vihar, Delhi - 110051; Tel. (011) 26549200(O), 40590091(R), 09868895112(M); Email : deepalijain76@gmail. com; Sp. Pathology/Cytopathology/Thoracic and Molecular Pathology.

JAIN, Dharam Vir Singh (b.1933) PhD,FNA, FASc, Formerly 1995 Professor of Physical Chemistry & Director, RSIC, Professor Emeritus and INSA Honorany Scientist, Department of Chemistry, Panjab University, Chandigarh -160014; Res.1529, Sector 49 B, Pushpac Complex, Chandigarh -160047; Tel. (0172) 2534415(O), 2632568, 5072127(R); Fax: 2545074; Email: dvsjain@yahoo.com; dvsjain@pu.ac.in; Sp. Physical

and Theoretical Chemistry.

JAIN, Hari Krishan (b. 1930) PhD(Wales), FNA, FASc, FNAAS, 1988 Formerly Dy. Director General, International Service for National Agricultural Research, The Hague, Netherlands, and Director, Indian Agricultural Research Institute, New Delhi; Former Chancellor, Central Agricultural University, Imphal; Res. 40, Surya Niketan, Vikas Marg Ext., Delhi -110092; Tel. (011) 22379560(O), 22373451(R); Fax: 22379560; Email: hkj2008@ gmail.com; Sp. Cytogenetics/Plant Breeding/Agricultural Research Policy.

Award: Dr. BP Pal Memorial Lecture Award-Nat.Acad.Sci.India (1993).

2015 JAIN, Mukesh (b. 1978) PhD, Professor, School of Computational & Integrative Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. Flat No. 2085, Sector C2, Vasant Kunj, New Delhi - 110070; Tel. (011) 26704686(O), 09871711699 (R); Email : mjain@jnu.ac.in; mjainanid@gmail.com; Sp. Plant (Epi)Genomics/Computational Biology/Genome Informatics /Biotechnology.

JAIN, Neeraj (b. 1960) PhD, FNA, Professor, Department of Bioscience & Bioengineering; Head, School of Artificial Intelligence and Data Science, Indian Institute of Technology, Jodhpur, NH 62, Karwar, Jodhpur - 342030; Former Director, NBRC, Manesar (Gurgaon); Tel. 09810446444(M); Email: neeraj.jain@iitj.ac.in; neeraj.jain4e4a@gmail.com; Sp. Neurosciences.

1978 JAIN, Padam Chand (b. 1930) PhD,FNA, Formerly Professor & Head, Department of Mathematics, Indian Institute of Technology, Mumbai; Res. 3389, Sector D/3, Vasant Kunj, New Delhi-110070;Tel.(011) 46024055(R);Sp.Applied Mathematics /Numerical Analysis/Computational Fluid Dynamics/Computer oriented Algorithms for Nonlinear PDE.

JAIN, Rajendra Kumar (b. 1936) PhD, FIMA(UK), Professor of Mathematics, MPEC, Sharda Nagar, Kanpur; Formerly Professor of Mathematics, Indian Institute of Technology, Kanpur; Res. 85, Navsheel Dham, Kanpur-208017; Tel. (0512) 2571312(R); Email: rkj@iitk.ac.in; Sp. Stability of Fluid Flows/Hydromagnetics Existence/Uniqueness of Solutions of N.S. Equs.

2017 JAIN, Subodh Kumar (b. 1958) PhD, FZSI, FIAN, Former Senior Professor & Head, Department of Biotechnology & Zoology, Dr. HS Gour Central University, Sagar, MP; Res. 271/9, Manorama Colony, Sagar – 470001, MP; Tel. 07974671818, 09406519485(M); Email: subjain@gmail.com; Sp. Cell and Molecular Biology, Stress Physiology.

JAIN, Sudhanshu Kumar (b. 1926) PhD,FNA, FBS, FITE, FAPT, FES, INSA Honorary Scientist, Founder and Formerly Director, Inst. of Ethnobiology; Formerly Director, Botanical Survey of India; Res. A-26, Mall Avenue Colony, Avas Vikas Colony, Lucknow-226001; Tel. (0522) 2235474(R), 09839028325(M); Email: skjainbotanist@rediffmail.com; Sp. Taxonomy/Ethnobotany/Medicinal Plants.

Award: U.P. Education Minister's Gold Medal of National Academy of Sciences, India (1966).

JAIN, Vikrant (b. 1974) PhD, Professor, Discipline of Earth Sciences, Indian Institute of Technology Gandhinagar, Palaj, Gandhinagar - 382055; Res. 29/101, Housing Blocks, IIT Gandhinagar, Palaj, Gandhinagar - 382055; Tel. (079) 23952455(O), 23951455(R), 08238006676(M); Email: vjain@itgn.ac.in; vikrantgeo@gmail.com; Sp. Geo-Sciences/Earth Surface Processes/River Science.

JAIN, Vimal Kumar (b.1956) PhD, Former Director, UM-DAE Centre for Excellence in Basic Sciences, Nalanda Building, University of Mumbai, Kalina Campus, Santa Cruz (E), Mumbai-400098; Res. #702, Building No. 1, Empire Estate, Plot No. 41-42, Sector 20, Kharghar, Navi Mumbai - 410210; Tel. (022) 31719947(R), 09757000357(M); Email: jainvk@cbs.ac.in; Sp. Inorganic & Organometallic Chemistry.

Council: Mem. 2022-23

JAIRAJPURI, Mohammad Shamim (b. 1942) PhD,DSc,FNA, FASc, FNAAS, FTWAS, INSA Hon. Scientist & Adjunct Professor, IARI, New Delhi; Former Professor, Dept. of Zoology, Aligarh Muslim University, Aligarh; Formerly VC, MANUU, Hyderabad & Director, ZSI; Res. 274-Aslam Manzil, Flat No. 104, 1st Floor, Block B, Jamia Nagar (Okhla), New Delhi – 110025; Tel. 09540981665(M); Email: msjairajpuri@ gmail.com; Sp. Nematology/Environment/Taxonomy/ Evolution.

JALALI, Bushan L. (b. 1943) PhD, FPSI, FNAAS, Formerly Director of Research, Haryana Agricultural University, Hisar; Res. #601, Neelkanth Apartments, Sector 21-C, Part - III, Faridabad - 121001; Tel. (0129) 2980329(R),09910609931(M); Email: bljalali@gmail.com; Sp. Plant Pathology/Microbiology/ IPM/Research Management.

1996 **JAMEEL, Shahid** (b. 1957) PhD(USA), FNA, FASc, Chief Executive Officer, The Wellcome Trust/DBT India Alliance, 526 DLF Tower A, Jasola, New Delhi - 110025; Res. 26, Zakir Bagh, New Delhi-110025; Tel. (011) 41008402/03(O), 26840631(R); Email: shahid.jameel@indiaalliance.org; Sp. **Molecular Virology.** 

2008 JANA, Nihar Ranjan (b.1965) PhD, Professor, School of Bio Science, Indian Institute of Technology Kharagpur, Kharagpur; Tel. (03222) 260802(O); Email: nihar@iitkgp.ac.in; Sp. Neurosciences/Neurodegenerative Disorders/ Mental Illness.

JANA, Tushar (b. 1975) PhD, Professor of Chemistry, School of Chemistry, University of Hyderabad, Hyderabad - 500046; Res. Flat No.309, Sri Maruthi Nivas, Sudarshan Nagar, Lingamally, Hyderabad - 500019; Tel. (040) 23134808(O), 09440127016 (M); Email: tusharjana@uohyd.ac.in; tjscuoh@gmail.com; Sp. Physical Chemistry/Applied Chemistry/Polymer Chemistry.

2017 JATKAR, Dileep Prabhakar (b. 1965) PhD, Senior Professor, Harish Chandra Research Institute, Chhatnag Road, Jhusi, Prayagraj - 211019; Tel. (0532) 2274322(O), 2274022(R), 07379743711(M); Email : dileep@hri.res.in; Sp. String Theory/Gange Theories.

JAUHARI, Mohan (b. 1938) PhD, FAFSc, FFSc, Formerly DG, National Test House, Govt. of India, Kolkata-700027; Director, Central Forensic Science Laboratory, Govt. of India, Kolkata-700014; Res. 242, Flat No. 1, 1st Floor, Cres Park, 4th Main, 2nd Stage, Domlur, Bengaluru – 560071; Tel. 07499152486(M); Email: mohan.jauhari@gmail.com; Sp. Forensic Ballistics/High Speed Photography/Quality Testing and Evaluation of Materials and Products.

2017 JAYANANDA, Mudlappa (b. 1959) PhD,FASc, FNA, Senior Professor, JC Bose National Fellow, Centre for Earth, Ocean & Atmospheric Sciences, University of Hyderabad, Gachibowli, Hyderabad - 500046; Res. Flat # G3, Satyam Block, Fortune Kumkum Heights, Majid Banda, Hyderabad - 500084; Tel. 08618421127(M); Fax: (040) 23010152; Email: mjayan.geol@gmail.com; jayanandam@uohyd.ac.in; Sp. Geochemistry/Radiogenic Isotopes/Early Earth Dynamics/Origin of Protocontinents.

JAYARAM, Vikram (b. 1956) PhD(Stanford), FNA, FASc, FNAE, Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore - 560012; Res. M 204, Brigade Gateway, 26/1 Rajkumar Road, Malleswaram West, Bangalore-560055; Tel.(080) 22933243, 22932263(O), 23375110(R); Fax: 23601198, 23600472; Email : qjayaram@iisc.ac.in; Sp. Materials Science/Ceramics.

2002 JAYARAMAN, Girija (b.1947) PhD, Former Professor, Centre for Atmospheric Sciences, IIT, Delhi; Res. I-36, Shriram Sadhana Apartments, M.S. Ramaiah Road, Gokula, Bangalore - 560054; Tel. 09902294371, 09818276785(M); Email: girija.jayaraman@ gmail.com; Sp. Fluid Mechanics/Biological Oceanography/

Physiological Fluid Dynamics.

JAYASANKAR, CHALICHEEMALAPALLI KULALA (b. 1956) PhD, UGC-BSR Faculty Fellow, Department of Physics, Sri Venkateswara University, Tirupati - 517502, AP; Res. 3-1-48, Illrd Cross East, Vidyanagar Colony, Tirupati - 517502, AP; Tel. 09491777818, 09885028739(M); Email : ckjaya@yahoo.com; Sp. Solid State Spectroscopy/Photonics/Optical and Laser Materials.

JEMMIS, Eluvathingal Devassy (b. 1951) PhD(Princeton), FNA, FASc, FTWAS, Hon. Professor, Year of Science Chair Professor, SERB, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore – 560012; Res. 324, Embassy Heritage, 8<sup>th</sup> Main Road, Malleshwaram, Bangalore – 560055; Tel. (080) 22933347(O), 22933348(Lab), 23670324(R), 09483598097(M); Fax: 23601552; Email: jemmis@iisc.ac.in; jemmis@gmail.com; Sp. Computational Chemistry/Quantum Chemistry.

JHA, Bhavanath (b.1958) PhD, FNA, FNAAS, Professor, Formerly 2009 Chief Scientist, Head & Coordinator, Marine Biotechnology and Ecology Division, CSIR-Central Salt & Marine Chemicals Research Institute, Bhavnagar-364002; Res. Flat No. 401, RGS Green Apartment, Opposite Gate No. 32A, Rajapur, Patna-Tel. 09427232120, 07016234913(M); jha.bhavanath@gmail.com; Sp. Plant Molecular Biology & Genomics/Gene Mining Biotechnology/Stress Translational Research/ Marine Biotechnology/Biodiversity Mapping & Bioprospection. 2023

JHA, Gopaljee (b. 1980) PhD, Scientist V, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067; Res. Type IV(S)-002, NIPGR, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26735177(O), 26735234(R), 09971371583 (M); Fax : 26741658; Email : jmsgopal@nipgr.ac.in; jmsgopal@gmail.com; Sp. Plant Protection/Molecular

Microbiology/Plant Sciences.

JHA, Sudhanshu Shekhar (b. 1940) PhD,FNA, FASc, F-Amer.Phys.Soc., FTWAS, Formerly Director, TIFR, Mumbai & Distinguished Guest Professor, Indian Institute of Technology, Bombay; Res. 402, Vigyanshila, Juhu-Versova, Link Road, Seven Bunglows, Andheri (W), Mumbai - 400061; Tel. (022) 26327413(R), 09892498234(M); Email: ss\_jhain@hotmail.com; Sp. Solid State Theory/ Opto Electronics/Raman Spectroscopy.

2008 JHA, Sumita (b.1954) PhD, NASI Senior Scientist, Former Professor, Centre of Advanced Study, Department of Botany, University of Calcutta, 35, B.C. Road, Kolkata - 700019; Res. Flat B2; 372, Jodhpur Park, Kolkata - 700068; Tel. 09830510733(M); Email: sumitajha.cu@gmail.com; Sp. Plant Genetics /Medicinal Plant Biotechnology.

- JHALA, Yadevendradev Vikramsinh (b. 1962) PhD,FNA Forder Dean and Sr. Professor, Wildlife Institute of India; Chandrabani, Dehradun - 248001; Res. Chandrabhuvan, Darbargadh, Wadhwan City - 363030,Gujarat; Tel. 09897027262(M); Email: yvjhala@gmail.com; Sp. Ecology/Conservation Biology/ Conservation Genetics.
- JHUNJHUNWALA, Ashok (b. 1953) PhD, FNA, FASc, FNAE, FIEEE, Institute Professor, Dept. of Electrical Engineering, Indian Institute of Technology Madras, Chennai 600036; Office: IIT Madras Research Park, Kanagam Road, Taramani, Chennai 600113; Res. C2-02-05, III Loop Road, IIT Madras, Chennai 600036; Tel. (044) 22570120, 66469867(O), 22576408(R); Fax: 22570120; Email: ashok@tenet.res.in; office@tenet.res.in; Sp. Tele-communications/Computer Networks/ Fiber Optics/ Renewable Energy and Electric Vehicles.
  - Award: Dr. P. Sheel Memorial Lecture Award Nat.Acad.Sci.India (2001).
- 2010 JOG, Chanda J. (b. 1954) PhD, FNA, FASc, FTWAS, Professor, Department of Physics, Indian Institute of Science, Bangalore 560012; Res. Apt. 1B, Vastra Bhavan, No. 64, 4th Main Off 18<sup>th</sup> Cross, Malleswaram, Bangalore 560055; Tel. (080) 22933285(O), 23342340(R), 08023607703(M); Fax: 23602602; Email: cjjog@physics.iisc. ernet.in; Sp. Astrophysics.
- JOGLEKAR, Satish Dinkar (b. 1949) PhD, FMASc, Professor, Department of Physics, I.I.T. Kanpur, Kanpur 208 016; Res. House No. 617, IIT Kanpur, Kanpur 208016; Tel. (0512) 2597014(O), 2598314(R); Fax: 2590914, 2590260; Email: sdj@iitk.ac.in; Website: www.iitk.ac.in/phy/faculty/sdj/sdj.html; Sp. High Energy Physics Theory.
- JOHN, Thekkekara Jacob (b. 1935) MBBS, PhD, DSc, FRCP (Edin.), FRCP (Lond.), FAMS, FIAP, FNA, FASc, Formerly Emeritus Medical Scientist (ICMR); Director, ICMR-CARV & National HIV/AIDS Reference Centre; Res. Thekkekara, 439, Civil Supplies Gowdon Lane, Vellore 632002; Tel. (0416) 2267364(R), 07845338188(M); Email: tjacobjohn@yahoo.co.in; Sp. Infectious Diseases.
- JOHRI, Bhavdish Narain (b.1945) PhD(Alberta), FNAAS, Formerly, Head & Dean, CBSH, GBPUAT; Emeritus Scientist (CSIR), Acharya PC Ray Fellow (MPCOST); NASI Senior Scientist, Res. LV-32, Indus Gardens, Phase 1, E-8, Gulmohar Extension, Bhopal 462039; Tel. (0755) 2427239(R), 06265511176(M); Email: bhavdishnjohri@rediffmail.com; Sp. Microbial Diversity and Ecology.

2018 JOLLY, Pratibha (b. 1954), PhD, Former Principal, Miranda House, University of Delhi, Delhi; Res. E-284, Greater Kailash-1, New Delhi - 110048; Tel. 09811600386(M); Email : pratibha.jolly@ gmail.com; Sp. Chemical Physics/Physics Education Research/Science Education Outreach/ICT in Education, Women in STEMM.

- JOSEPH, George (b. 1938) PhD, FASc, FNAE, FIGU, Formerly Director, SAC (ISRO), Ahmedabad and CSSTEAP affiliated to United Nations, Dehradun; Res. D1/12, Sterling City, Bopal, Ahmedabad 380058; Tel. 09978288287(M); Email: georgejoseph1938@hotmail.com; Sp. Remote Sensing/Space Instrumentation.
  - Awards: SICO sponsored National Academy of Sciences, India Award for Instrumentation (1986).

Council: Mem. 2015-16

- JOSHI, Amitabh (b.1965) PhD, FNA, FASc, Professor & Chair, Evolutionary & Integrative Biology Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur PO, Bangalore-560064; Res. B-308, Mithuna White Water Apartments, Jakkur, Bengaluru 560064; Tel. (080) 22082802 (O), 22082803(Lab), 23693588(R), 09341354233(M); Fax: 22330567; Email: ajoshi@jncasr.ac.in; Sp. Evolutionary Genetics/Population Ecology.
- 2006 JOSHI, Anil Prakash (b. 1955) PhD, Founder, Himalayan Environmental Studies and Conservation Organisation (HESCO), Village: Ghisarpadi, P.O. Mehuwala Via Majra, Dehradun 248001; Res. 1/20, Ashirwad Enclave, Dehradun 248001; Tel. (0135) 2642391, 2642736(O); Fax: 2642736; Email: dranilpjoshi@gmail.com; Sp. Environmental Conservation/Small Micropower Energy/Value addrtion in Horti-Agriculture.
- 2015 **JOSHI, Arun Kumar** (b. 1958) PhD, FNA, FNAAS, Managing Director, Borlaug Institute for South Asia (BISA) & CIMMYT Asia Representative; Former Professor, Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi 221005; Res. Flat 633, Racecourse Valley, Racecourse, Dehradun 248001; Tel. 09415221526(M); Email : joshi\_vns@yahoo.com; a.k.joshi@cgiar.org; Sp. **Agricultural Sciences.**
- 2018 JOSHI, Jyeshtharaj Bhalchandra (b. 1949), PhD, FNA, FASc, FNAE, FTWAS, Emeritus Professor, Department of Chemical Engineering, Institute of Chemical Technology, Matunga, Mumbai; Res. 401, Shubh Ashirwad Society, Fifth Lane, Hindu Colony, Dadar (E), Mumbai 400014; Tel. (022) 24115448(R), 09820845915(M); Email : jbjoshi@gmail.com; Sp.Chemical Engineering/Fluid Mechanics/Reactor Design/ Absorption of NOx Gases/Solar Energy/Atomic Energy and Bio Energy.
- 2006 JOSHI, Pankaj Shantilal (b. 1953) PhD, FNA, Senior Professor, Department of Astronomy and Astrophysics, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400005; Res. 301, Bhaskara, TIFR Housing Colony, Homi Bhabha Road, Colaba, Mumbai 400005; Tel. (022) 22782486(O), 22804923(R); Fax: 22804610, 11; Email: psj@tifr.res.in; Sp. Theoretical Astrophysics/Cosmology/Gravitation.

JOSHI, Preeti Gangola (b. 1952) PhD, Former Professor & Head, Department of Biophysics, National Institute of Mental Health and Neurosciences, Bangalore; Res. M-602, Purva Panorama, Kalena Agarhara, Bannerghatta Road, Bangalore - 560076; Tel. (080) 42075051(R), 09449064861(M); Email: joshipree@gmail. com; Sp. Neuroscience/Cellular Signaling/ Neuro degeneration.

JOSHI, Suhas S. (b. 1968) PhD, FNAE, Director, Indian Institute of Technology Indore, Khandwa Road, Simrol, Indore – 453552; Res. Director Bungalow, IIT Indore Campus, Simrol, Indore – 452020; Tel. (0731) 6603 111, 112(O), 09920177527(M); Email: ssjoshi@iitb.ac.in; ssjoshi@iiti.ac.in; Sp. Precision Manufacturing/Micro-Machining/Laser-based Surface Texturing.

2017 JOSHI, Yogesh Moreshwar (b. 1974) PhD,FNAE, Professor & CV Seshadri Chair, Chemical Engineering Dept., Indian Institute of Technology Kanpur, Kanpur - 208016; Res. A-503, Faculty Apartments, Indian Institute of Technology Kanpur, Kanpur - 208016; Tel. 09793076767(M); Email : joshi@iitk.ac.in; Sp. Rheology/Soft Matter.

2004 **JOSHIPURA, Anjan Sidhvantlal** (b. 1950) PhD, FNA, FASc, Honorary Scientist, Theoretical Physics Group, Physical Research Laboratory, Navrangpura, Ahmedabad - 380009; Res. N104, Indraprastha-6, Prahaladnagar, Ahmedabad-380051; Tel. (079) 26314453(O), 30471752(R); Fax: 2631-4460; Email: anjan@prl.res.in; Sp. **High Energy Physics.** 

JUWARKAR, Asha Ashok (b. 1955) PhD, FAEB, FAMI, Scientist G & Head, Ecosystem Division & National Coordinator of Stockholm Convention Regional Centre on Pops for Asia Region; National Environmental Engineering Research Institute, Nehru Marg, Nagpur - 440020; Res. 189, Survey Nagar, Jaitala Road, Nagpur - 440022; Tel. (0712) 2249764(O), 2230900(R), 09765251513(M); Fax : 2249764; Email: aajuwarkar@rediffmail.com; Sp. Remediation of Contaminated Ecosystems/ Wastewater Reuse & Recycle/Environmental Biotechnology/ Persistant Organic Pollutants.

1996 KADALBAJOO, Mohan Krishen (b. 1949) PhD, FWIF, FIMMS, Distinguished Professor, Department of Mathematics, Dean, Faculty Affairs, The LNM Institute of Information Technology, Rupa Ki Nangal, Post - Sumel, Via - Jamdoli, Jaipur – 302031; Tel. 09450346470(M) Email: kadal@iitk.ac.in; mkkadalbajoo@Inmiit.ac.in; Sp. Numerical Analysis/Computational Finance/Option Pricing.

2002 KAKODKAR, Anil (b.1943) DSc(hc), FNAE, FASc, FIE, Past President, NASI & INAE; Chairman, Rajiv Gandhi Science and Technology Commission, Chancellor, Homi Bhabha National Institute, Member AEC, Formerly Chairman, AEC & Secretary, DAE, Gol; BARC, Trombay, Mumbai- 400085; Res. Flat No. 1104, Building No. 5, Accolade Cooperative Housing Society, Hajuri Dargah Road, Behind LIC, Thane West, Mumbai - 400604; Tel. (022) 69293325, 25505210(O), 25828899(R); 09920099588(M); Fax: 25505110; Email: kakodkar@barc.gov. in; kakodkaranil@gmail. com; Sp. Nuclear Reactor Engineering/Structural Engineering/Nuclear Safety.

Council: Pres. 2017-18 P.Pres. 2019-20

2013 KALIA, Vipin Chandra (b. 1956) PhD. FAMI, Emeritus Scientist. Microbial Biotechnology and Genomics, CSIR-Institute of Genomics & Integrative Biology, Mall Road, Delhi - 110007; Res. Pocket F/105A, Mayur Vihar, Phase II, Delhi - 110091; Tel. 27666156, 27662133 Ext.132(O), 43012465(R), 09811428365(M) Fax: 27667471, 27416489; Email: vckalia@ igib.res.in; vc\_kalia@yahoo.co.in; Sp. Microbial Genomics/ Bioenergy/Biopolymers.

KALRA, Alok (b. 1959) PhD, FNAAS, Project Manager, CSIR-2017 Central Institute of Medicinal and Aromatic Plants, Lucknow -226015; Res. E-901, Shalimar Gallant, Mahanagar, Lucknow -226006; Tel. (0522) 2718634(O), 09415020340(M); Email : a.kalra@cimap.res.in; alokkalra@hotmail.com; Sp. **Plant** Pathology/Agricultural Microbiology/Medicinal & Aromatic Plants.

1978 KALRA, Veena (b.1946) M.B.B.S., M.D. (Pediatrics), Additional Professor, Department of Pediatrics, All India Institute of Medical Sciences, New Delhi-110 029; Res. D-II/1 Ansari Nagar, New Delhi- 110 029; Tel. (011) 661123/209(O), 6865470(R); Sp. Pediatrics (Pediatric Neurology and Liver Diseases of Children).

1999 KAMAL, Ahmed (b. 1956) PhD, FAPSc, FRSC, Senior Professor Emeritus, Department of Pharmacy, Birla Institute of Technology & Science, Pilani Hyderabad Campus, Hyderabad 500078; Formerly Pro Vice Chancellor, Jamia Hamdard, New Delhi and Outstanding Scientist, CSIR-IICT, Hyderabad; Res. H.No. 8-2-619, Road No. 11, Banjara Hills, Hyderabad -500034; Tel. (040) 66303787(O), 23319370(R), 09440802784 (M), Email: ahmedkamal@hyderabad.bits-pilani.ac.in; ahmed kamal@iict.res.in; ahmedkamal915@gmail.com; Sp. Medicinal Chemistry/Bioorganic Chemistry/Organic Chemistry.

KAMBOJ, Kamal Kumar (b.1955) PhD, Assistant Director, Division 1997 of Parasitology, Central Drug Research Institute, Lucknow-226 001; Presently at - 4665 Golden Ridge Trial, Andover Woods, Portage, MI 49024, USA; Tel. (0522) 212411-18(4418)(O);

Email: root@cscdri.ren.nic.in; Sp. Parasitology.

2009 KANDPAL, Hem Chandra (b. 1954) PhD, Vice President (R&D), FIEM Industries, Rai Industrial Area, Sonepat - 131029; Res. 700 Double Storey, New Rajinder Nagar, New Delhi- 110060; Tel. (011) 45608315(O),28741068(R); Fax: 45609310; Email: hckandpal54@gmail.com; kandpal@fiemindustries.com; Sp. Standards/Optics/Quantum Optics.

2003 KANDASWAMY, Palanigounder (b. 1948) PhD, Professor, Department of Mathematics, Bharathiar University, Coimbatore-641046; Res. 18, Avani\_Veedhi, Sivasakthi Colony, Vadavalli, Coimbatore - 641046; Tel. (0422) 2426764(O), 2426069(R), 09443126183(M); Fax: 2422387; Email: pgkswamy@yahoo.co. in; Sp. Atmospheric Waves/Convection/ Lubrication Theory.

2023 KANEKAR, Nissim (b. 1973) PhD, FASc, Professor, National Centre for Radio Astrophysics, Tata Institute of Fundamental Research, Pune University Campus, Pune - 411007; Res. E6, NCRA Housing Colony, Pune University Campus, Pune -(020) 25719346(R), 411007; 25719246(O), Tel. 25692149; Email : nkanekar@ 09975077018(M); Fax : ncra.tifr.res.in; Sp. Galaxy Evolution/Fundamental Constant Evolution/Radio Astronomy.

2013 KANG, Gagandeep (b. 1962) MBBS, MD, PhD, FRCPath, FAAM, FNA, FASc, FFPH, FRS, Former Adjunct Professor, Christian Medical College, Vellore; Res. 160/1, Kattupadi Extension, Adukamparai, Vellore - 632011; Tel. 09894070266(M); Email: gkang@cmcvellore.ac.in; Sp. Vaccines/Public Health/ Microbiology.

2016 KANJILAL, Dinakar (b. 1955) PhD, FNA, Former Director & DAE Raja Ramanna Fellow, Inter University Accelerator Center, Aruna Asaf Ali Marg, New Delhi - 110067; Tel.(011) 40040186(R), 09868716629(M); 24126018(O), Email: dkiuac@gmail.com; dk@iuac.res.in; Sp. Condensed Matter Physics & Materials Sciences/Accelerator Physics & Technology.

**KANNAN, Shanmugaperumal** (b. 1963) PhD, Outstanding Scientist, Head, Fuel Chemistry Division, Bhabha Atomic 2020 Research Centre, Mumbai - 400085; Res. 43, Shantiniketan, Anusakti Nagar, Mumbai - 400094; Tel. (022) 25593933(O), 25565634(R), 09757307749(M); Fax: 25505151; Email skannan2508@gmail.com; skannan@barc.gov.in; Inorganic Chemistry.

2013 KANNAN, Varadachariar (b. 1946) PhD, FNA, FASc, Professor, Department of Mathematics, SRM University AP; Res. 195, Doyens Township, Lingampalli, Hyderabad - 500019; Tel. 09949193737(M); Email : vksm@uohyd.ernet.in; kannan.v@srmap.edu.in; Sp. **Topology/Analysis.** 

KANT, Krishna (b. 1929) D.Phil., D.Sc., FRIC (London), Formerly 1968 Professor & Head, Chemistry Department, University of Jodhpur; Res. 70, Abhaygarh Scheme, Jodhpur - 342 011; Tel. (0291) 33956(R); Sp. Physical/Surface Chemistry. KANT, Tarun (b. 1946) PhD, FNA, FASc, FNAE, Professor

2011 Emeritus, Department of Civil Engineering, Indian Institute of Technology Bombay, Powai, Mumbai-400076; Res. 201, Shree Ram Niwas, IIT Bombay Market, Powai, Mumbai - 400076; Tel. (022) 25767301(O), 09969164646(M); Email: tkant@civil.iitb. ac.in; tkant1946@gmail.com; Sp. Solid and Structural Mechanics.

KANUNGO, Suman (b. 1967) MBBS, PhD, FAScT, FWAST, FIPHA, 2023 Scientist F, ICMR-National Institute of Cholera & Enteric Diseases, P-33, CIT Road, Scheme-XM, Beliaghata, Kolkata -700010; Res. FI-3C, Greenhut Cooperative Housing Society, H-12. Baishnabghata Patuli Township, Kolkata - 700094; Tel. (033) 23633373(O), 24361112(R), 0909903824322(M); Fax: 23632398; Email sumankanungo@gmail.com; Epidemiology/Public Health/Enteric Diseases.

1974 KAPOOR, Anoop Saran (b. 1933) D.Phil., Professor of Zoology, Rajasthan University, Jaipur-302 004; Res. R-9, University Campus, Jaipur-302 004; Tel. (0141) 2395019(R); Sp. Fish

Biology/Endocrinology.

KAPOOR, Meenu (b. 1968) PhD, Professor, University School of 2016 Biotechnology, GGS Indraprastha University, Sector 16C, Dwarka, New Delhi - 110078; Res. House #1015, Sector 40, Gurgaon, Haryana; Tel. (011) 25302310, 25302303(O), (0124) 4370912(R), 09811590225(M); Email: meenukapoor@me.com; kapoorsk@genomeindia.org; Sp. Developmental Biology/ Functional Genomics/Plant Epigenetics.

2007 KAPOOR, Rakesh, (b. 1956) M.B.B.S., MS, MCh, FAMS, Former Director, Sanjay Gandhi PG Institute of Medical Sciences, Raebareli Road, Lucknow; Res. House No.Type VB/14, SGPGI Campus, Raibareli Road, Lucknow - 226014; Tel. (0522) 2668062(R), 09415410130, 8004904798(M); Email: rkapoor@sgpgi.ac.in; Sp. Medical Science.

1982 KAPOOR, Ramesh Narain (b. 1934) PhD(Lko), PhD (Lond), DSc(Lond), CChem, FRSC, Professor, Chemistry Department, University of Delhi, Delhi-110 007; Res. 378, Hauz Khas Apartments, Sri Aurobindo Marg, Hauz Khas, New Delhi-110 016; Tel. (011) 27257725 Ext. 485(0),26858188(R); Sp. Organometallic Chemistry/Coordination Chemistry.

2013 KAPOOR, Sanjay (b. 1964) PhD, Professor, Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi - 110021; Res. 1015, Sector 40, Gurgaon - 122003, Haryana; Tel. 09811644436(M); Fax: 24119430; Email: kapoors@south.du.ac.in; Sp. Plant Reproduction/Seed Development/Functional Genomics.

1994 KAPOOR, Shyam Sunder (b. 1938) PhD, FNA, FASc, Formerly DAE-Homi Bhabha Chair Professor, Mumbai; Formerly Director, Physics & Electronics & Instrumentation Groups, BARC, Mumbai; Res. A-3, Banganga CHS, Govandi Station Road, Deonar, Mumbai- 400088; Tel. (022) 25504301(R); Email: kapoorss2002@yahoo.co.in; Sp. Nuclear Physics/Nuclear Particle Detectors/ Particle Accelerators & Applications.

2023 KAPUGANTI, Jagadis Gupta (b. 1980) PhD,FNAAS, Scientist V, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067; Res. H-IV-103, National Institute of Plant Genome Research Residences, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26735111(O), 26735112(R), 09899526383(M); Email : jgk@nipgr.ac.in; jagadishgupta@gmail.com; Sp. Nitric Oxide Signaling/Mitochondrial Metabolism/Plant Response to Flooding.

2023 KAPUR, Manmohan (b. 1975) PhD, Professor, #330, Academic Building 2, Department of Chemistry, Indian Institute of Science Education & Research Bhopal, Bhopal Bypass Road, Bhauri, Bhopal - 462066; Res. B-15, Sagar Silver Springs, Opposite SIRT, Ayodhya Bypass Road, Bhopal - 462041; Tel. (0755) 2691331(O), 4944837(R), 09575138447(M); Fax: 2692392; Email: mk@iiserb.ac.in; Sp. Organic Synthesis/Transition Metal Catalysis/Total Synthesis of Natural Products.

2015 KAPURIA, Santosh (b. 1968) PhD, FNA, FNAE, FASc, RC Malhotra Chair Professor & JC Bose National Fellow, Department of Applied Mechanics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016; Tel. (011) 26591218(O), 26591828, 26581563(R); 09654728776(M); Email : kapuria@am.iitd.ac.in; Sp. Structural Mechanics/Multifunctional Structures/ Structural Health Monitoring.

1990 KARMESHU (b. 1949) PhD, Professor, School of Computer & System Sciences, JN University, New Delhi - 110 067; Res. A-150, Deepali, Road No. 42, Pitampura, Delhi - 110 034; Tel. (011) 667676 Ext. 396(O), 7273793(R); Sp. Mathematical Modeling.

1996 KARTHA, Chandrasekharan Cheranellore (b. 1951) MD, FRCP (London), FAMS,FASc,FIACS,FICPath, Res. Flat No. 10C, Dolphin, SFS Aqua Greens, East Desom, Aluva, Ernakulam District - 683102; Tel. 09947264108(M); Email : cckartha@gmail.com, cckartha@yahoo.com; Sp. Pathology/Cardiovascular Pathology/Cardiovascular Biology.

2023 KARTHIKEYAN, Ganesan (b. 1970) MD,DM,FAMS, Professor, Department of Cardiology, All Indian Institute of Medical Sciences, New Delhi - 110029; Res. 404, Asiad Village, New Delhi - 110049; Tel. (011) 26593322(O), 09871074832(M); Email: karthik2010@gmail.com; Sp. Medicine/Cardiology.

2018 KARUMURI, Ashok (b. 1966), PhD, Professor, Centre for Earth, Ocean and Atmospheric Sciences, Earth Science Building, UCESS Road, University of Hyderabad, Hyderabad - 500046; Res. 401#A, Nandana Residency, Golden Tulip Estate, Kondapur, Hyderabad - 500084; Tel. (040) 23132675(O), 09666136967(M); Email : ashokkarumuri@uohyd.ac.in; karumuriashok@gmail.com; Sp. Tropical Indo-Pacific and Monsoonal Variability/Earth System Modeling/Seamless Prediction and Applications.

2007 KASHYAP, Bhagwati Prasad (b. 1948) PhD,FINAE, Department of Materials Engineering, Indian Institute of Technology Jodhpur, NH65 Nagaur Road, Karwad – 342037; Res. 3123, Park Avenue, 3<sup>rd</sup> Street, Indian Institute of Technology, Jodhpur, NH65 Nagaur Road, Karwad - 342037; Tel. 08369700427(M); Email : bpk@iitj.ac.in; Sp. Superplasiticity/ Thermo - Mechanical Treatment/Grain Boundary Phenomena.

2002 KASHYAP, Vijendra Kumar (b.1952) PhD, FAMS, FIC, Former Director cum Chief Forensic Scientist, Directorate of Forensic Science Services MHA, GOI, New Delhi; Former Director, National Institute of Biologicals (GOI, MoHFW), A-32, I, Sector-62, Noida; Res. A-123, Gaur Green Avenue, Abhay Khand II, Indrapuram, Ghaziabad - 201014; Tel. (0120) 4119596(R), 09654566066(M); Email: vkk2k@hotmail.com, Sp. Forensic Medicine & Science/Biologics & Regulatory Affairs/Molecular Biology/ Population Genetics/L Science, Technology & Law.

KASTURIRANGAN, Krishnaswamy (b. 1940) PhD, FNA, FASc, FNAE, FTWAS, Member, Raman Research Institute Trust/Council, CV Raman Avenue, Sadashiva Nagar, Bangalore – 560080; Professor Emeritus NIAS, Indian Institute of Science Campus, Bangalore – 560012; Former Member of Parliament (Rajya Sabha) & Planning Commission, GOI; Former Chairman, Space Commission & Secretary, Department of Space, Bangalore & Director, National Institute of Advanced Studies, Bangalore; Res. A-1002, Alder Godrej, Woodman Estate, Bellary Road, Bangalore - 560024; Tel. 09845007998(M); Email: krangank@gmail.com; Sp. Astronomy/Astrophysics/Satellite Technology/Remote Sensing/Science Technology Education Policy.

Council: Pres. 2013-14 P.Pres. 2015-16

2010 KATOCH, Kiran (b. 1951) M.D., FAMS, Former Dr. AS Paintal Distinguished Scientist Chair of ICMR at IIHMR University, Jaipur; Former Director, National Jalma Institute for Leprosy & Other Mycobacterial Diseases (ICMR); Res. B-16, Govind Marg, Raja Park, Jaipur - 302004; Tel. 09219610499(M); Email: katochkiran1@gmail.com; Sp. Medicine.

2004 KATOCH, Vishwa Mohan (b. 1953) MD, FAMS, FNA, FASc, FIASc, Former NASI-ICMR Chair on Public Health Research, Rajasthan University of Health Sciences, Jaipur; Res. B-16, Govind Marg, Opposite Baraf Khana, Raja Park, Jaipur - 302004; Tel. (0141) 2795524(O), 2612992(R), 09910053701 (M); Fax: 2795550; Email: vishwamohankatoch18 @gmail.com; nasiicmrruhs2016@gmail.com; Sp. Medical Microbiology/Mycobacteriology.

Council: Mem. 2006, 2014-15

2001 KAUL, Chaman Lal (b. 1936) PhD, Formerly Director, NIPER, Mohali; Res. 432, Mahatma Sahkari Housing Society, Koth Road, Pune - 411038; Tel. (020) 25363447(R); Email: chaman lalpandit@yahoo.com; Sp. Pharmacology/Pharmaceutical Sciences/Diabetes.

1980 **KAUL, Dipika** (b. 1937) D.Phil., Formerly Professor, Zoology Department, Allahabad University, Prayagraj-211 002; Res. 7,Bank Road,Prayagraj-211 002; Tel. (0532) 2642204(R); Sp. **Molecular Biology/Cytogenetics.** 

Council: F.S. 91-92 Mem. 93-95

2021 KAUR, Gurcharan (b. 1958) PhD, FIAN, Emeritus Scientist-CSIR & University Honorary Professor, Department of Biotechnology, Guru Nanak Dev University, Amritsar - 143005; Res. 133, Kabir Park, Opp.Guru Nanak Dev University, Amritsar - 143002; Tel. (0183) 2258431(O), 09815450737(M); Fax: 2258272; Email: kgurcharan.neuro@yahoo.com; Sp. Medical Biotechnology/Neuroscience/Aging.

2018 KAUR, Rupinder (b. 1971), PhD, Staff Scientist VII, Centre for DNA Fingerprinting and Diagnostics, Inner Ring Road, Uppal, Hyderabad - 500039; Res. H.No.4-7-18/11/2 Raghvendra Nagar, Nacharam, Hyderabad - 500076; Tel. (040) 27216137(O), 40264614(R), 09704439996(M); Fax: 27216006; Email: rkaur@cdfd.org.in; Sp. Yeast Genetics & Molecular Biology/Host Pathogen Interaction.

2010 KAVI KISHOR, P.B. (b. 1951) PhD, FNAAS, CSIR-Emeritus Scientist, Department of Genetics, Osmania University, Hyderabad - 500007; Res. 103, Prashanti Nivas, H.No.2-2-23/22, Bagh Amberpet, D.D. Colony, Hyderabad - 500044; Tel. (040) 27682335(O), 27424582(R); Fax: 27095178; Email: pbkavi@yahoo.com; Sp. Plant Physiology.

2022 KAVIRAYANI, Prasad Ramakrishna (b. 1969) PhD, FASc, Professor, Dept. of Organic Chemistry, Indian Institute of Science, Bangalore - 560012; Res. HE361, New Housing Colony, Indian Institute of Science, Bangalroe - 560012; Tel. (080) 22932524(O), 23605415(R), 09448473015(M); Fax: 23600529; Email: prasad@iisc.ac.in; Sp. Organic Synthesis/Natural Product Synthesis/Synthetic Methods.

2003 KAYASTHA, Arvind Mohan (b. 1960) PhD, FNAAS, FNAMS, Senior Professor, School of Biotechnology, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. 42-53, Akhnoor Hut, Nandnagar Colony, ITI Road, P.O. BHU, Varanasi-221005; Tel. (0542) 2368331(O), 09451000575(M); Email: kayasthabhu@gmail.com; Sp. Enzymology & Enzyme Technology/Plant Biochemistry/Structure-Function Relationship in Proteins.

- 2007 KEMBHAVI, Ajit Keshav (b. 1950) PhD, FASc, Emeritus Professor, IUCAA, Post Bag 4, Ganeshkhind, Pune 411007; Res. 302 Nishigandh, Panchavati, Pashan, Pune 411008; Tel. (020) 25604231/100(O), 25604401(R), 09822979161(M); Fax : 25604698; Email: akk@iucaa.in; Sp.Extragalactic Astronomy/ Theoretical Astrophysics/Data Analysis.
- 2023 **KEMPARAJU, Kempaiah** (b. 1964) PhD, Professor of Biochemistry, Department of Studies in Biochemistry, University of Mysore, Mysuru 570006; Res. #17, 8th Main, D Block, 3rd Stage, Vijayanagar, Mysuru–570030, Karnataka; Tel. 09945996543 (M); Email : kemparaj@biochemistry.uni-mysore.ac.in; Sp. **Snake Venom Pharmacology.**
- KESAVAN, Parthasarathy Chenna (b. 1938) PhD, FNA, FNAAS, Distinguished Fellow, M.S. Swaminathan Research Foundation, Third Cross Street, Taramani, Chennai 600113; Res. N-19, Sengamalam, Maxworth Nagar, Kovilambakkam, Chennai 600117; Tel. (044) 65299023(D), 22542698, 22541698(O), 22460077, 22460254(R), 09444024013(M); Fax: 22541319; Email: pckesavan@mssrf.res.in; Website: www.mssrf.org; Sp. Genetics/Radiation Biology/Sustainability Science.
- 1997 **KESAVAN, Srinivasan** (b.1952) PhD, FASc, Docteur-es-sciences (Mathematiques; Paris), Former Professor, Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai 600113; Res. 33(Old No.19), Barnaby Road, Kilpauk, Chennai 600010; Tel. (044) 26412839(R), 09444082801 (M); Email: kesh@imsc.res.in; Sp. **Partial Differential Equations.**
- 1990 KESHAVA MURTY, R.N. (b. 1936) PhD, Formerly Director, Indian Institute of Tropical Meteorology, Pune; Res. 2440, 10th Main, D Block, Rajajinagar, II Stage, Bangalore 560 010; Tel. (080)3422634(R); Sp. Meteorology/Atmospheric Physics/Monsoon Studies/Climate Studies.
- 1996 **KESSAR, Satinder Vir** (b. 1932) PhD, FNA, FASc, FTWAS, Professor Emeritus, Department of Chemistry, Panjab University, Chandigarh- 160 014; Res. 635, Sector 11, Chandigarh-160 011; Tel. (0172) 2541435(O), 2747308(R); Email: svkessar@pu.ac.in; Sp. **Synthetic Organic Chemistry**.
- 1975 KHAJURIA, Hitopdeshak (b. 1923) D.Sc., Formerly Dy. Director & Emeritus Scientist, ZSI, Visiting Professor, Jiwaji University and Head and Asstt. Professor, Mammal Section, Baghbad University, C/o Zoological Survey of India, Hospital Road, Solan- 173212, H.P.; Res. Bishan Bhawan, Opp. Excise Office, Jawahar Park, Solan 173212, H.P.; Tel. (01792) 2413, 3773(O), 3873(R); Sp. Ecology/Taxonomy of Mammals/Wild Life Conservation/Zoo Management/Museology(Animals).

2009 KHAKHAR, Devang Vipin (b.1959) PhD, FNA, FASc, FNAE, Professor of Chemical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Res. A-13, Bungalow, IIT Bombay, Powai, Mumbai - 400076; Tel. (022) 25767212(O), 25768212(R), 09820605351(M); Fax: 25723546; Email: khakhar@iitb.ac.in; Sp. Chemical Engineering.

KHANDELWAL, Bishan Lal (b. 1936) PhD, Formerly Professor, IIT 1993 Delhi, Emeritus Scientist, CSIR, DMSRDE Kanpur, Emeritus Fellow AICTE, HBTI Kanpur; Director, Disha Institute of Management & Technology, Raipur, Director, Pratap Institute of Technology & Science, Palsana; Res. A-42A, MIG DDA Flats, Munirka, New Delhi - 110067; Tel. (011) 46001175(R), 08527088465, 07000308740(M); Email: bishankhandelwal@ rediffmail.com; bishankhandelwal2014@gmail.com; Chemistry/Organometallics/ Analytical Inorganic Chemistry

2003 KHANDUJA, Sudesh Kaur (b. 1951) PhD, FNA, FASc, FTWAS, INSA Honorary Scientist, Department of Mathematics, IISER Mohali, Knowledge City, Sector 81, SAS Nagar, Mohali - 140306; Res. H.No. 1297, Sector 37-B, Chandigarh; Tel. (0172) 2240266(O), 09815204096(M); Email: sudeshkaur@yahoo. com; skhanduja@iisermohali.ac.in; Sp. Algebra/Valuation

Theory/Algebraic Number Theory.

KHANNA-CHOPRA, Renu (b. 1949) PhD, FNA, FNAAS, Formerly 1986 Principal Scientists & National Fellow, Water Technology Centre, Indian Agricultural Research Institute, New Delhi -110012; Res. A1/153, Paschim Vihar, New Delhi - 110063; Tel. 09899017170(M); Email: renu\_wtc@rediffmail.com; renu.chopra3@gmail.com; Sp. Plant Physiology.

2015 KHANNA, Navin Chandra (b. 1956) PhD, FASc, FNA, Group RGP Laboratory, Molecular Medicine Division, International Centre for Genetic Engineering and Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi - 110067; Res. 4373, B-5, Vasant Kunj, New Delhi - 110070; Tel. (011) 26741680(O), 41761859(R); Fax : 26742316; Email : navinkhanna5@gmail.com;Sp.Dengue/Vaccines/ Diagnostics.

**KHANNA**, **Pushpa** PhD(Oregon), FBS, Professor of Botany, Principal, University Maharani's College, Jaipur; Res. 23, Ram 1986 Bagh Road, Jaipur; Tel. (0141) 73628(O), 72410(R); Sp.

Physiology/Biochemistry.

KHANNA, Sudarshan Kumar (b.1932) ME, PhD(Engg.), DSc(hc), DLitt(hc), DEngg(hc), FNAE, FIE, FNAE, Formerly Chairman, 1987 AICTE and Formerly Vice-Chairman, UGC; Formerly Professor & Head, Civil Engg. Department, University of Roorkee; Res. Apartment 045/C, Wellington Estate II, DLF Phase V, Gurugram (Haryana) - 100029; Tel. (0120) 2400982, 09810116408(M); Fax: 2400982; Email: prof.skkhanna@gmail.com; Sp. Transportation Planning and Engineering/ Higher and **Technical Education.** 

2016 KHANNA, Vinay Kumar (b. 1963) PhD, Adjunct Professor, NIPER-Hyderabad, Former Chief Scientist, CSIR-Indian Institute of Toxicology Research, 31, MG Marg, Lucknow - 226001; Res. B-503, Sterling Apartments, 9 University Road, Lucknow -226007; Tel. (0522) 2781897(R), 08960945607(M); Email: vkkhanna1111@gmail.com; vkkhanna1@rediffmail.com; Sp.

Neurotoxicology and Neuroprotection.

2002 KHANUJA, Suman Preet Singh (b. 1958) PhD. FNAAS, Founder Chairman FlorFauna Science Foundation, Lucknow & Mentor, SKiES India; Res. C41-42, Double Storey, Ramesh Nagar, New Delhi – 110015; Lucknow Foundation : Sukhmani, 8/23 Bahar A, Sahara States, Jankipuram, Lucknow - 226022; Formerly CIMAP/CSIR, Lucknow, Tel. 09711773867, 08005044134(M); Email: khanujazy@yahoo.com, spskhanuja@ gmail.com; Sp. Molecular and General Genetics/Plant Improvement/Biotechnology, Nutraceuticals & Functional Foods.

Council: V.P. 2007-08 Mem. 2006

1982 KHAN, Badar Taqui (b. 1929) PhD, Emeritus Professor, Chemistry Department, Osmania University, Hyderabad-500 007; Res. 479-17-3 Yakut Mahal Talkies, Yakutpura, Hyderabad-500 004; Tel. (040) 868951/337(O), 2524371(R); Sp. Coordination Chemistry/Bioinorganic Chemistry/ **Organometallics**/ Catalysis.

2011 KHAN, Faiz Ahmed (b. 1965) PhD, FASc, Professor, Department of Chemistry, IIT Hyderabad, Kandi, Sangareddy - 502285; Res. H.No. 3-19/1, Cheriyal-Kashipur Road, Cheriyal, Sangareddy -502285; Tel. (040) 23016255(O), 08125027003(M); Email:

faiz@chy.iith.ac.in; Sp. Organic Chemistry.

1978 KHAN, Mirza Mohammad Taqui (b. 1931) PhD(USA), FNA, FASc, Formerly Director, Central Salt & Marine Chemicals Research Institute, Bhavnagar; Emeritus Scientist (CSIR), Chemistry Department, Osmania University, Hyderabad; Res. 479-17-3, Yakutpura, Hyderabad-500023; Tel. (040) 2524371(R); Sp. Inorganic Chemistry/Homogeneous Catalysis.

Council: Mem. 81, 83-86

2022 KHAN, Nafees Ahmad (b. 1962) PhD, DSc, Professor of Plant Physiology, Department of Botany, Aligarh Musalim University, Aligarh - 202002; Res. S/2 Zakaria Apartment, New Sir Syed Nagar, Medical Road, Aligarh - 202002; Tel. (0571) 2700920-3311(O), 09411488881(M); Email : naf9.amu@gmail.com; na.khan.bt@amu.ac.in; Sp. Plant Hormones/Metabolomics/ Abiotic Stress.

1988 KHAR, Ashok (b. 1949) PhD, Formerly Director, Cell & Molecular Biology Research Centre, AHERF, Hyderabad; Res. 202, Eshanya Residency, Sai Enclave, Scientist Colony, Habsiguda, Hyderabad - 500007; Tel. 09866237716(M); Email: khar.ashok Biochemistry/Tumour @gmail.com; Sp. Immunology/ Mammalian Cell Culture.

2014 KHARE, Avinash (b. 1954) PhD, FNA, FASc, Vice Chancellor, Sikkim University, 6th Mile, Samdur, P.O.: Tadong - 737102, Gangtok, Sikkim; Tel. (03592) 251067, 251073(O), 09873428154(M); Fax : 251067; Email : vc@cus.ac.in; khareavinash82@gmail.com; Sp. Plasma Physics/Statistical Mechanics.

1979 KHARE, Mahendra Nath (b.1934) PhD(Illinois, USA), FPSI, FISST, FSMP, BRSF, FISPRD, Formerly Dean, Professor Emeritus, J.N. Agricultural University, Jabalpur; Formerly Professor & Head, Plant Pathology Department, JNAU, Jabalpur; Res. 24, Ravindra Nagar, Adhartal, Jabalpur - 482004; Tel. (0761) 2361632(R); Šp. Plant Pathology/Seed Pathology/Soil-borné Diseases.

2011 KHARE, Neeraj (b. 1958)PhD, Professor, Dept. of Physics, Indian Institute of Technology, Hauz Khas, New Delhi – 110016; Res. 26, West Avenue, IIT Campus, Hauz Khas, New Delhi–110 016; Tel. (011) 26591352(O), 26591640(R), 09811110334(M); Email: nkhare@physics.iitd.ernet.in; Sp. Superconductivity/Magnetism Nano Functional Oxide.

- KHARE, Satya Prakash (b. 1935) D.Phil.(Alld.), PhD(Belfast), Emeritus Fellow, C.C.S. University, Meerut, Formerly Pro Vice-Chancellor; Formerly Professor & Head, Emeritus Fellow, UGC; Formerly Emeritus Scientist, CSIR; Department of Physics, C.C.S. University, Meerut; Res. 3G1 ATS Greens 2 Sector 50, Noida 201303, UP; Tel. (0121) 2760159(R), 09910800422(M); Email: spkhare35@gmail.com; Sp. Atomic and Molecular Physics/ Theoretical Physics.
- 1993 KHARE, Shabd Sharan (b. 1947) D.Phil., Former Pro-Vice Chancellor, NEHU, Shillong; Res. 521 Meerapur, Prayagraj 211003;Tel. 09648716998(M); Email: kharess1947@gmail.com; Sp. Algebraic Topology.
- 2008 KHAREEDU, Venkateswara Rao (b.1958) PhD, FNA, INSA Senior Scientist, Centre for Plant Molecular Biology, Osmania University, Hyderabad 500007; Res. Villa No. 36, Aparna Elixir, Puppalgunda, Khajaguda, Hyderabad 500104; Tel. 08331041529, 09391320822(M); Email : rao\_kv1@rediffmail. com; rao\_kv@hotmail.com; Sp. Plant Molecular Biology/ Transgenics/Functional Genomics.
- 2023 KHARWAR, Ravindra Nath (b. 1967) PhD, FPSI, FMSI, Professor, CAS in Botany, Institute of Science, Banaras Hindu University, Varanasi 221005; Res. Plot No. 598, Block A, Ashok Puram Colony, Dafi, Varanasi 221011; Tel. (0542) 6702588(O), 09415290001(M); Email : rnkharwarbot@bhu.ac.in; rnkharwar@gmail.com; Sp. Fungal Diversity/Bioactive Natural Compounds/Endophytes Mediated Plant Stress Management.
- 1980 KHERA, Satendra (b. 1929) PhD,D.Sc., FZSI, FHSI, Formerly Professor, Zoology Department, Panjab University, Chandigarh; Res. G-305, Surya Vihar, Dundahera, Gurgaon 122016; Tel. (0124) 6366331(R); Sp. Parasitology/Animal & Plant Nematology/Biology of Birds.
- 2018 KHOSLA, Sanjeev (b. 1969), PhD, Director, CSIR-Institute of Microbial Technology, Sector 39 A, Chandigarh 160036; Tel. (0172) 2690698, 2690785(O), 09949952300(M); Fax: 2690585, 2690132; Email: sanjuk@imtech.res.in; director@imtech.res.in; Sp. Epigenetics/Host-Pathogen Interaction Biology/ Developmental Biology.
- 1990 KHULLAR, Surinder Pal (b. 1941) PhD, FIBS, FIFS, Professor Emeritus & Former Head & Chairman, Botany Department, Panjab University, Chandigarh; Res. 1633, Sector 7-C, Chandigarh-160019; Tel. (0172) 2794484(R), 09855551633(M); Email: sp.khullar@gmail.com; Sp. Pteridophytes & Angiosperm Taxonomy/Systematics/ Floristics/Cytology.

2018 KHURANA, Dinesh (b. 1970), PhD, Professor, Department of Mathematics, Panjab University, Chandigarh - 160014; Res. F-11, Sector 14, Panjab University Campus, Chandigarh -160014; Tel. (0172) 2534519(O), 09417631373, 07889218775 (M); Email: dkhurana@pu.ac.in; Sp. Algebra.

2003 KHURANA, Paramjit, (b. 1956) PhD, FNA, FASc, FNAAS, FTWAS, JC Bose National Fellow, Professor & Former Head, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, Dhaula Kuan, New Delhi - 110021; Res. House No. 7, Type VB, Staff Qtrs., UDSC, New Delhi - 110021; Tel. (011) 24115096(O), 24119090(R), 09711006512(M); Email: param@genomeindia.org; Sp. Plant Molecular Biology/ Genetic Transformation of Crop Plants/Genomics and Bioinformatics.

Council: F.S. 2013-14 G.S. 2018-21

2003 KHUSH, Gurdev Singh (b. 1935) PhD, DSc(hc), FNA, FASc, FNAAS, FTWAS, FNYAS(USA), FRS, Emeritus Adjunct Professor, Department of Plant Sciences, University of California, Davis, CA 95616, USA; Res. 39399 Black Hawk Place, Davis, CA 95616-7008,USA; Tel.1-(530) 750-2440, 530-665-3332(M); Fax: 1-530-750-2440; Email: gurdev@khush.org; Sp. Genetics/Plant Breeding/Biotechnology.

2016 KIRAN KUMAR, Alur Seelin (b. 1952) FINAE, FIETE, FISSE, FAPAS, FIMS, FGSA, FISRS, Member, International Academy of Astronautics; President, AeSI; Vikram Sarabhai Professor, ISRO; Former Secretary, Gol, Department of Space and Former Chairman, ISRO; Antariksh Bhavan, New BEL Road, Bangalore-560231; Res. 223/21, Jyoti Kiran, 5<sup>th</sup> Main Road, Ganganagar, Bangalore - 560032; Tel. (080) 22172387, 23416406(O), 23438733(R); Email: kiran\_seelin@ yahoo.co.in; Sp. Space Technology and Applications.

Council : Mem. 2019-20

2011 KIRTI, Pulugurtha Bharadwaja, (b. 1953) PhD, FNA, FNAAS, FTSAS, FAP-SC, NASI Senior Scientist and Professor Agri Biotech Foundation, Agricultural University Campus, Rajendranagar, Hyderabad - 500030; Res. 5-562, Deepthisri Nagar, Madinaguda, Miyapur, Hyderabad - 500049; Tel. 09441284396(M); Email: pbkirti@uohyd.ac.in; pbkirti@gmail. com; Sp. Plant Molecular Biology/Biotechnology.

2005 KISHORE, Nand (b. 1963) PhD, Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Res. B-297, Nilgiri, IIT Campus, IIT Bombay, Powai, Mumbai - 400076; Tel. (022) 25767157(O), 25768157(R); Fax:25723480; Email: nandk@chem.iitb.ac.in; Sp. Physical Chemistry/Biothermodynamics/Biophysical Chemistry.

2012 KITHIGANAHALLI, Narayanaswamy Balaji (b. 1966) PhD, FASc, FNA, Professor, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore - 560012; Res. 877 BSK, I Stage, II Block, 6 Cross, Hanumanth Nagar, Bangalore - 560050; Tel. (080) 22933223(O), 26615625(R), 08197509682 (M); Email : balaji@iisc.ac.in; Sp. Infectious Diseases/Immunology.

2010 KODIYALAM, Vijay (b. 1966) M.S., PhD, FASc, Professor H, Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai - 600113; Res. Bageshri, Flat 6, No. 33, First Avenue, Indira Nagar, Chennai - 600020; Tel. (044) 22541856(O), 52054589(R); Fax: 22541586; Email: vijay@imsc.res.in; Sp. Functional Analysis.

2004 KOHLI, Ravinder Kumar (b. 1953) PhD, FNA, FASc, FNAAS, FRS(C), FRS(B), FNESA, FIBS, FDNAES, Former JC Bose National Fellow, Vice-Chancellor, Amity University Punjab, Mohali - 140306; Res. Villa 423-423A, Phase 2, Pocket 3, Omaxe City, Mohali, New Chandigarh - 140901; Tel. (0172) 5203501(O), 09872201516(M), 1603560055(R); Email: rkkohli45@yahoo.com; rkkohli45@gmail.com; rkkohli@pb. amity.edu; Sp. Ecology/Forestry/Weed Science/Ecophysiology.

KOLASKAR, Ashok Sadanand (b. 1950) PhD, DLitt(hc), DSc(hc), FNA, FMAS, Vice Chancellor, The Neotia University (TNU), Vishwakarma, 86C, Topsia Road (S), Kolkata – 700046; Formerly VC, KIIT University, Bhubaneswar & University of Pune; Res. Flat No. 04-1403, Upohar Luxury Gold, 2052 Chak Garia, Kolkata – 700094; Tel. 07044096445(M); Email: vc@tnu.in; akolaskar@yahoo.com; Sp. Protein folding/Biological Data Banks & Data Mining/Theoretical Molecular

**Biophysics & Bioinformatics.** 

KOLLURU, Krishna Sree (b. 1958) PhD, FNA, FASc, FAPAS, JC Bose National Fellow, Distinguished Professor, Dean, School of Sciences, GITAM, Gandhi Nagar, Rushikonda, Visakhapatnam – 530045, AP; Res. H.No. 1-95, Near Govt. Primary School, Chinaogirala (village), Vuyyuru (Mandalam), Krishna (Dt), AP – 521245; Tel. 09765494935, 09765321229(M); Email: dean\_science@gitam.edu; nio.krishna@gmail.com; Sp. Continental Rifting/Lithospheric Dynamics/Tectonics/Plate Tectonics/ Marine Geophysics.

2003 KOLLURU RAMAIAH, V.A. (b. 1954) PhD, Professor, Department of Biochemistry, School of Life Sciences, University of Hyderabad, Hyderabad - 500046; Res. 171 Doyens Township, Serilingampally, Near Alind, Hyderabad - 500019; Tel. (040) 23010500 Ext.4520(O), 23010082 (Bio.off.), 23010750(R); Fax: 23010120, 23010145, 23010451; Email: kvarsl@uohyd.ernet.in, kvarsl@yahoo.com; Sp. Molecular Biology/Gene Expression/

Translational Regulation.

2017 KOLTHUR-SEETHARAM, Ullas (b. 1974) PhD, Associate Professor, Biological Sciences Dept., Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai - 400005; Res. 608, Bhaskara, TIFR Housing Complex, Homi Bhabha Road, Colaba, Mumbai - 400005; Tel. (022) 22782721(O); Email: ullas@tifr.res.in; ullaskolthur@gmail.com; Sp. Metabolic Sensing/Nuclear-Mitochondrial Epistasis/ Gene Expression Mechanisms.

2020 KONIJETI, Sreenadh (b. 1975) PhD, Institute Chair Professor, Department of Mathematics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016; Res. House No.5, New Campus, IIT Delhi Campus, Hauz Khas, New Delhi - 110016; Tel. (011) 26591470(O), 26596974(R), 09968651715(M); Email: sreenadh@maths.iitd.ac.in; Sp. Analysis/Partial Differential Equations.

2006 KOSAGI, Sharaf Jagannatha Rao (b. 1956) PhD, Scientist, Biochemistry and Nutrition, Central Food Technology Research Institute, Mysore - 570020; Res. #139, CFTRI Layout, Bagadi II Stage, Mysore - 570026; Tel. (0821) 2514876(O), 2342970(R); Fax: 2517233; Email: kjr5n@yahoo.co.in; Sp. Neuroscience.

- 2006 KOTHA, Sambasivarao (b. 1957) PhD, FASc, FRSC, FNA, Department of Chemistry, IIT Bombay, Powai, Mumbai 400076; Res. T7-203, Sakivihar Road, L and T, Emerald Isle, Gate No. 6, Mumbai 400072; Tel. (022) 25767160(O), 09869392696(M); Fax: 25723480, 25767152; Email: srk@chem.iitb.ac.in; Sp. Organic Synthesis/New Synthetic Methods.
- 2005 KOTHARI, Dwarkadas Pralhaddas (b. 1944) M.E., PhD, FNAE, FIEEE, FIE, Director General, Raisoni Group of Institutions, Nagpur 440001; Formerly Director, I/C, IIT Delhi; Formerly VC, VIT, Vellore; Tel. (0712) 6617181(O), 08308802218(M); Fax: 6630782; Email : dpk0710@yahoo.com; Sp. Power Systems/Energy Machines.
- 1997 KOTHARI, S.L. (b.1954) PhD, FNAAS, FISPM, Distinguished Professor of Biotechnology and Vice-President, Amity Science Technology and Innovation Foundation (ASTIF), Jaipur, Formerly Professor & Head of Botany, Dean, Faculty of Science and Director, CCT, University of Rajasthan, Jaipur; Res. 12 Kalyan Colony, Malviya Nagar, D-Block, Jaipur 302017; Tel. (0141) 2703439(O), 3569977(R); 09829179692(M); Email : slkothari@jpr.amity.edu; slkothari28@gmail.com; Sp. Plant Tissue Culture/Transgenics/Plant Biotechnology/Nanobiotechnology.
- 1995 KOTHEKAR, Vidya Vinayak (b.1940) PhD, FIAMP, Formerly Director, Dr. DY Patil Biotechnology and Bioinformatics Institute, Pune; Res. Flat No. 19, Conifer, Gayakwad Nagar, D.P. Road, Aundh, Pune 411007; Tel. (020) 25887025(R), 09850532443(M); Email: vidyakothekar@gmail.com, vidya kothekar@yahoo.com; Sp. Computational & Structural Biophysics.
- 2015 KOTNALA, R.K. (b. 1957) PhD, Chief Scientist & Head, Division of Physics & Engineering, National Physical Laboratory, New Delhi; Res. A-12, South Extn.-I, New Delhi 110049; Tel. (011) 45608599, 8266(O), 24645356(R); Fax: 45609310; Email: rkkotnala@nplindia.org; Sp. Magnetic Materials/Nanotechnology/Ethics.
- 1983 **KOUL, Awtar Kishen** (b. 1936) PhD, Formerly Professor of Botany, Jammu University, Jammu; Res. 14, Bhagwati Nagar, Razdan Lane, Canal Road, Jammu 180016; Tel. (0191) 2554976(R); Email: akkoul2003@yahoo.com; Sp. **Cyto-genetics.**
- 2017 KOYAKUTTY, Manzoor (b. 1974) PhD, Professor, Amrita Centre for Nanoscience, Ponekara, Kochi 682041, Kerala Res. 13A, Sunny Sands, Classic Apartments, Thrikakara, Kochi 682021; Tel. (0484) 2851234 Extn. 8768(O), 2972141(R), 09946696286 (M); Email : manzoork@gmail.com; Sp. Cancer Nanomedicine/Nanotechnology/Immunology.

1996 KRISHAN, Vinod, PhD(Tennessee), Professor, Indian Institute of Astrophysics, Bangalore - 560 034.

1991 KRISHNA, Gopal (b. 1948) PhD, FNA, FASc, INSA Senior Scientist, UM-DAE Centre for Excellence in Basic Sciences, Mumbai – 400098; Tel. (020) 26524983(O), 09850415719(M); Email: gopaltani@gmail.com; Sp. Radio Astronomy/Active Galaxies/Observational Cosmology.

2003 KRISHNA, Maddaly (b. 1956) PhD, Professor of Mathematics, Ashoka University, Plot No. 2, Rajiv Gandhi Education City, Rai Haryana - 131029; Tel. (130) 2300676(O), 09445948109(M); Email: krishna.maddaly@ashoka.edu.in; krishna@imsc.res.in; Sp. Mathematical Physics.

1993 KRISHNAN, Ramakrishnan (b. 1949) PhD, FISRS, FAPAS, Formerly Dean (Academic), Indian Institute of Space Science & Technology, Department of Space, GOI, Thiruvananthapuram; Res. 17, G.G. Avenue, First Street, B.U. Post, Coimbatore – 641046; Tel. (0422) 2425454(R), 09995025453(M); Email: drrkdrrk@gmail.com; Sp. Image Processing/Remote Sensing.

1992 KRISHNAN, Rangachari (b. 1935) PhD,FNA, FASc, FNAE, Formerly Director, Gas Turbine Research Establishment (DRDO); Res. F-3, Parkside Manor, 162, 5th Main, Defence Colony, Bangalore - 560038; Tel. (080) 25268882(R), 09980847568(M); Email: rangachari.krishnan@gmail.com; Sp. Physical Metallurgy/ Materials Science.

2008 KRISHNAMOORTHY, Krishnaswamy (b.1952) PhD, FASc, FNA, Distinguished Visiting Scientist, Divecha Centre for Climate Change, Indian Institute of Science, Bengaluru - 560012; Res. 'Roshni' TC 25/927, #202 ETRA, East Thampanoor, Thiruvananthapuram - 695014; Tel. (080) 22933147(O), (0471) 2323542(R), 09945530293(M); Email: krishnamoorthyspl@gmail.com; kkmoorthy@iisc.ac.in; Sp. Atmospheric Sciences, Aerosols, BC and Climate Forcing.

1997 KRISHNAMURTHY, Hulikal Ramaiengar (b.1951) PhD(Cornell), FNA, FASc, FTWAS, Honorary Professor, Department of Physics, Indian Institute of Science, Bangalore - 560 012; Res. 18, Il Main Road, UAS Layout, Sanjayanagar, Bangalore - 560 094; Tel. (080) 22933282, 23608658(O), 23416627(R), 09845927227(M); Fax : 23602602, 23600683; Email: hrkrish@iisc.ac.in; hrkrish@gmail.com; Sp. Condensed Matter Physics/Statistical Physics/Quantum Many-Body Theory.

1989 KRISHNAMURTHY, Kothandaraman (b. 1935) PhD, Formerly Sr. Professor & Director, Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai - 608 502; Sp. Mangrove Forest/Ecosystems/Ecology/Biological Oceanography/Ocean Management/Environmental Affairs.

1998 KRISHNAMURTHY, Kulithalai Viswanathan (b. 1945) PhD, Consultant, R&D, Sami Labs Ltd., Peenya Industrial Area, Bangaluru – 560058; Former Professor & Head, Dept. of Plant Science, Bharathidasan University, Tiruchirapalli; Res. F 124, Brigade Courtyard, HMT Main Road, Jalahalli, Bangalore - 560013; Tel. (080) 28568000/8001/ 8002/7926(O), (0431) 2459686(R), 09900264191(M); Fax: (080) 28567926; Email: kvkbdu@yahoo.co.in; kvkbdu@rediffmail.com; Sp. Plant Morphogenesis/Reproductive Ecology/ Histochemistry.

2014 KRISHNAMURTHY, Muralidhar (b. 1958) PhD, FNAE, F-ASTFE, Professor, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. House No. 461, IIT Kanpur, Kanpur - 208016; Tel. (0512) 2597182(O), 2598421(R), 09919373363(M); Email : kmurli@iitk.ac.in; krishnamurthy.muralidhar@gmail.com; Sp. Fluid Mechanics/ Heat Transfer/Interfacial Phenomena.

- 1996 KRISHNASWAMY, Kamala (b. 1940) MD, FNA, FASc, FAMS, FTWAS, FNAAS, Formerly Emeritus Medical Scientist & Director, ICMR-National Institute of Nutrition, Jamai-Osmania, Hyderabad; Res. H.No. J-7, Prime Terrace, 150 LB Road, Tiruvanmiyur, Chennai 600041; Tel. 09866235238, 08610097683(M); Email: kamalakrishnaswamy@gmail.com; sri21kk@yahoo.com; Sp. Internal Medicine/Nutrition.
- 2023 KRISHNAWARRIER, Gopinathawarrier Suresh (b. 1968) PhD, Professor, Department of Physics, Indian Institute of Technology Bombay, Powai, Mumbai 400076; Res. 288, B 24, IIT Bombay, Mumbai 400076; Tel. (022) 25767559(O), 25768559(R), 09869649706(M); Fax: 25723480; Email: suresh@iitb.ac.in; Sp. Magnetism/Spintronics/Topological Materials.
- 2005 KSHIRSAGAR, Nilima Arun (b. 1949) MD,PhD, ICMR-Emeritus Scientist, ICMR-National Institute for Research in Reproductive and Child Health, JM Street, Parel, Mumbai 400012; Tel. (022)24137173(O), 24101205(R), 09821036616(M); Email: kshirsagarna@yahoo.in; nccpicmr@gmail.com; Sp. Clinical Pharmacology.

Council: Mem. 2010-2011

- 2016 KUHAD, Ramesh Chander (b. 1955) PhD, FBRSI, FNAAS, Professor, Dept. of Microbiology, University of Delhi South Campus, New Delhi 110021; Former Vice Chancellor, Central University of Haryana, Mahendergarh; Res. Provost's House, Aravali & Saramati PG Men's Hostel, University of Delhi South Campus, New Delhi 110021; Tel. 09871509870(M), Email: kuhad85@gmail.com; Sp. Secondary Agriculture Microbial Biotechnology (Bio-Conversion of Crop By-Products to Value Added Products)
- 2013 KULKARNI, Giridhar Udapi Rao (b. 1963) PhD, FASc, FNA, FNAE, President, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560064; Res. No.54, 'Tulasi', III Phase, 'Royal Enclave', Shrirampura Road, Jakkur, Bangalore 560064; Tel. (080) 22082814(O), 09448825386 (M); Email: kulkarni@jncasr.ac.in; gukulk@gmail.com; Sp. Physical Chemistry/Applied Chemistry/Applied Physics.
- 2002 KULKARNI, Ravindra Shripad (b.1942) PhD, Formerly Director and Distinguished Professor, HRI, Prayagraj; Res. Bhaskaracharya Pratishthan, 56/14, Erandavane, Damle Path, Off Law College Road, Pune 411004; Email: punekulk@gmail.com; Tel. (020) 25434547, 25410724, 09860792287(M); Sp. Differential Geometry/Riemann Surfaces/Discontinuous Groups.

Council : Mem. 2021-22

2001 KULKARNI, Shrinivas Krishnarao, (b. 1946) PhD, FAMS, FPAS, FIPA, Emeritus Professor of Pharmacology & Former Pro-Vice Chancellor (DUI), PU; Res. Flat No. 404, Queens Court Apartment, Vaccine Depot Road, Tilakawadi, Belgaum – 590006; Tel. (0831) 2441955(R), 09886203247(M); Email: skpu @yahoo.com; skkulkarni46@gmail.com; Sp. Pharmaceutical Sciences.

- 2003 KULKARNI, Sulabha Kashinath, (b. 1949) PhD, FNA., FASc., FMAS, INSA Senior Scientist, Centre for Materials for Electronics Technology (CMET), Pune, Panchwati, Pune 411008; Res. 'Suyashri', 43/28, Nav Sahyadri Society, Pune 411052; Tel. (020) 25989273 Ext. 224(O), 25441158(R), 08888425978(M); Email: skknano@gmail.com; Sp. Surface Science/Material Science/ Nanotechnology.
- 2017 KUMAR, Ajay (b. 1955) PhD, NASI Senior Scientist, Dept. of Mathematics, University of Delhi, Delhi 110007; Res. C-2/96, West Enclave, Pitampura, Delhi-110034; Tel. (011) 27666658(O), 47539505(R), 09810009887(M); Fax: 27010937; Email: ak7028581@ gmail.com; akumar@maths.du.ac.in; Sp. Harmonic Analysis/ Operator Spaces/Partial Differential Equations.
- KUMAR, Anil (b. 1941) PhD,FNA, FASc, FTWAS, FISMAR, INSA Emeritus Scientist, Dept. of Physics & NMR Research Centre, Indian Institute of Science, Bangalore- 560012; Formerly NASI Senior/Honorary Scientist; Res. D-201, Sterling Gardens, Kempapura, Hebbal, Bangalore 560024; Tel. (080) 23662757(R), 09845421938(M); Email: anilnmr@iisc.ac.in; Sp. Nuclear Magnetic Resonance Spectroscopy and its applications to Biomolecular Structure Determination and Quantum Computing.

Council: Mem. 97-98, 2008-09

- 1987 KUMAR, Anil (b. 1946) PhD, Professor, Department of Chemical Engineering, Indian Institute of Technology Kanpur, Kanpur 208 016; Tel. (0512) 2597195(O), 2591819(R); Fax: 2590104, 2590007; Email : anilk@iitk.ac.in; Sp. Polymerization Reaction Engineering and Controls.
- 2000 KUMAR, Anil (b. 1955) PhD, FNA, FASc, Former JC Bose Fellow, CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411008; Res. Flat C-6, Megha Terrace Society, Opp Twin Towers, Aundh, Pune 411007; Tel. (020) 45624169(R), 09822074509(M); Email : dranilkumar1956@gmail.com; Sp. Thermodynamics/Physical Organic Chemistry/Biophysical Chemistry.

Council: V.P. 2007-08 Mem. 2005-06

KUMAR, Anil (b. 1953) PhD, FRSC, Professor (Emeritus Fellow) & Former Head, Department of Chemistry, Indian Institute of Technology Roorkee, Roorkee - 247667; Res. A-6, Hill - View Apartments, Indian Institute of Technology Roorkee, Roorkee-247667; Tel. (01332) 285799(O), 285180(R), 07895811127(M); Fax: 273560; Email: anil.kumar@cy.iitr.ac.in; akmshfcy@gmail. com; Sp. Physical Chemistry/Nanoscience & Nanotechnology/Biotemplated Nanomaterials/Carbonaceous Materials.

2018 KUMAR, Arun (b. 1960), PhD, FASc, Professor, Dept. of Developmental Biology and Genetics, Indian Institute of Science, Bangalore - 560012; Res. NE-303, Block-2, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22932998(O), 23606226(R), 09945170548(M); Email: arunk@isc.ac.in; Sp. Human Genetics/Cancer Biology/Molecular Biology.

- 2007 KUMAR, Arvind (b. 1943) PhD, Former Centre Director, Homi Bhabha Centre for Science Education (TIFR), VN Purav Marg, Mankhurd, Mumbai 400088; Res. E-101, Runwal Centre, Govandi Station Road, Deonar, Mumbai- 400088; Tel. (022) 25072300(O), 09221039223(M); Email: arvind.kumar1943@gmail.com; Sp. Theoretical Physics/Science Education.
  Council: Mem. 2014-15
- 2022 KUMAR, Ashwani (b. 1978) PhD, Senior Principal Scientist, Council of Scientific and Industrial Research, Institute of Microbial Technology, Sector 39A, Chandigarh 160036; Res. E-04, IMTech Housing, Sector 39A, Chandigarh 160036; Tel. (0172) 2880305, 2880306(O), 2880504(R), 09216530070(M); Email: ashwanik@imtech.res.in; Sp. Microbiology/Cell Biology/Molecular Biology.
- 2022 KUMAR, Awadhesh (b. 1964) PhD, Head Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400085; Res. 67 Sreeniketan, Anushaktinagar, Mumbai 400094; Tel. (022) 25590302(O), 20857105(R), 09869081907, 09833849469(M); Fax : 25505151; Email : awadesh@barc.gov.in; kumarawadhesh1964 @gmail.com; Sp. Gas Phase Kinetics & Dynamics/Interfacial Chemistry/Laser Spectroscopy.
- KUMAR, Bayya Venkatesulu Rathish (b. 1964) PhD, Professor, Department of Mathematics & Statistics, IIT Kanpur, Kanpur 208016; Res. H.No. 601, IIT Kanpur, Kanpur 208016; Tel. (0512) 2597660, 2597636, 2597753(O), 2598750(R); Fax : 2597500; Email: bvrk@iitk.ac.in; Sp. Numerical Methods for Partial Differential Equations/Bio-Fluid Mechanics/Parallel Numerical Algorithms & High Performance Computation/Mathematical Modeling & Simulation.
- 2004 KUMAR, Bhaskaran Pillai Mohan (b. 1953) PhD, FNAAS, FNIE, FAS, Vice Chancellor, Arunachal University of Studies, Knowledge City, Namsai 792103, AP; Res. 48 Pushpavihar, Nadathara, Thrissur 680751; Tel. 09995815730, 08590930195 (M), Email: bmohankumarkau@gmail.com; bm.kumar@kau.in; Sp. Agro-forestry/Forest Ecology/Silviculture.
  - Council : Mem. 2021-22
- KUMAR, Dhiraj (b. 1978) PhD, Group Leader, Cellular Immunology Group, International Centre for Genetic Engineering and Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi 110067; Res. 121/74, Silver Oaks Apts., DLF Phase I, Gurugram 122002, Haryana; Tel. (011) 26742357 Ext. 428(O), (0124) 4363773(R), 09811263541(M); Email : dhiraj@icgeb. res.in; Sp. Immunology/Infectious Diseases/Cell Biology.

KUMAR, Har Darshan (b. 1934) PhD(Lond.), FNA, FASc, Formerly Emeritus Scientist (CSIR) and Professor of Botany and Dean, Faculty of Science, BHU, Varanasi; Res. B32/32, H.K. 214, Saketnagar Colony, Naria, Varanasi - 221005; Tel. (0542) 2315180(R); Email : hdk71@yahoo.co.in, hdkumar@rediffmail. com; Sp. Algology/ Microbiology/Environment.

2017 KUMAR, Lalit (b. 1957) MD,DM,FAMS,FASc, Professor & Head, Medical Oncology, All India Institute of Medical Sciences, New Delhi - 110029; Res. 2, Sector 45, Gurugram - 122003; Tel. (011) 26593405(O), (0124) 2380828(R), 09811446828(M); Fax: 26588663; Email : lalitaiims@yahoo.com; Sp. Medical Oncology/Stem Cell Transplant/Gynecologic Oncology/Hemato Oncology.

2007 KUMAR, Maripi Dileep, (b. 1954) PhD, FASc, FNA, Res. House No. 500/22/F2, Sagar Ratna Hsg Soc., Filomena Hsg. Colony, Alto Santa Cruz, Bambolim (PO), Goa - 403202; Tel. 09404434053(M), Email: dileep@nio.org; Sp. Oceanography/ Bio-geo Chemistry.

2021 KUMAR, Prakash (b. 1972) PhD, Director, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad - 500007; Res. 201-Concrete Symphony, Prasanth Nagar, Road No. 3, Hyderabad - 500039; Tel. (040) 23434600(O), 09490746138, 07337342233(M); Email : director@ngri.res.in; prakashk@ngri.res.in; pk.ngri.csir@gmail.com; Sp. Seismic/Seismology.

KUMAR, Rakesh (b. 1965) MBBS, DNB, PhD, FAMS, FICNM, FUICC, Professor & Head, Division of Diagnostic Nuclear Medicine, Department of Nuclear Medicine All India Institute of Medical Sciences, New Delhi - 110029; Res. P-26, First Floor, Green Park Extension, New Delhi - 110016; Tel. (011) 26594472(O), 09968130622(M); Email : rkphulia@yahoo.com; Sp. Nuclear Medicine/PET-CT/Molecular Imaging.

2011 KUMAR, Rashmi (b. 1954) MBBS,M.D.(Pediatrics), Professor of Pediatrics, CSM Medical University, Lucknow - 226003; Res. HIG 111, Sec E, Aliganj, Lucknow - 226024; Tel. (0522) 2257377, 2257243(O), 2322577(R); Email: rashmik2005@gmail.com; Sp. Pediatric Neurology/Infectious Disease.

KUMAR, Sanjay (b.1963) PhD, FNA, FNAAS, FCISI, Chairman, Agricultural Scientists Recruitment Board, New Delhi – 110012; Former Director, CSIR-Institute of Himalayan Bioresource Technology, Palampur, HP; Res. House No. 1, Thamsar View Colony, Village, Mat, Sungal, Palampur - 176081; Tel. (011) 25841272(O), 09816621463(M); Email : chairman@asrb.org.in; sanjay,asrb@gov.in; sanjayplp1@gmail.com; Sp. High Altitude Biology/Plant Adaptation/Stress Physiology/Metabolic Engineering/Bioprospecting Genes/Enzymes/Livelihood Generation.

2003 KUMAR, Subodh (b. 1960) PhD, Professor, Department of Chemistry, Guru Nanak Dev University, Amritsar - 143005; Res. H.No. 5, Holy City Green, Holy City Township, Ajnala-Mahal Bypass, Amritsar-143005; Tel.\(0183\)) 2258802-09 Ext. 3206(O), 09872361528(M); Fax: 2258820; Email: subodh\_gndu@yahoo. co.in; Sp. Organic Chemistry/ Mol. Recognition and Supramolecular Chemistry.

1989 **KUMAR, S.S.** (b. 1936) PhD, Professor & Chairman, Botany Department, Panjab University, Chandigarh; Res. 450, Sector 16-D, Chandigarh; Sp. **Bryology**.

- 2002 KUMAR, Vijay (b.1954) PhD, Professor, Department of Molecular and Cellular Medicine, Institute of Liver and Biliary Sciences (ILBS), D-1 Vasant Kunj, New Delhi 110070; Res. House No. 3266, Sector 23, Gurugram- 122017; Tel. (011) 46300000 Extn. 24112(O); (0124) 4202266(R); Email: vkumar@ilbs.in; vijaykumar98@gmail.com; Sp. Molecular Cell Biology/Biotechnology/Medical Virology.
- KUMAR, Vikram (b. 1947) MS(Lehigh), PhD(Lehigh), FNAE, FIETE, Honorary Professor, Centre for Applied Research in Electronics, Indian Institute of Technology, Delhi 110016; Res. A165, Prodyogiki Apartments, Dwarka Sector 3, New Delhi 110075; Tel. (011) 45141721(R), 09891270409, 09868164409(M); Email: vkmr@physics.iitd.ac.in; vkmr47@gmail.com; Sp. Semiconductor Physics and Technology.
- 1989 KUMAR, Virendra (b. 1932) PhD, Department of Botany, Dr. Zakir Husain College (University of Delhi), J.L. Nehru Marg, Delhi 110002; Res. B-271, Ground Floor, Near Dayanand Model School, Vivek Vihar, Phase I, Delhi-110095; Tel. (011) 23233420(O); 09818341316(M); Email: k.virendra7@gmail. com; Sp. Cytogenetics/Mountain Ecosystems Conservation and Development.
- 2016 **KUNDU, Anirban** (b. 1967) PhD, FASc, Professor, Department of Physics, University of Calcutta, 92 APC Road, Kolkata 700009; Res. 30, Dr. Amrita Lal Munshi Lane, Uttarpara 712258; Tel. 09830619645(R); Email: anirban.kundu.cu@ gmail.com; akphy@caluniv.ac.in; Sp. **Theoretical Particle Physics/High Energy Phenomenology.**
- 2001 **KUNDU, Debasis** (b. 1961) PhD, Professor, Dept. of Mathematics, Indian Institute of Technology, Kanpur, Kanpur 208016; Res. House No. 414, IIT Kanpur, Kanpur- 208016; Tel. (0512) 2597141(O), 2598271(R); Fax: 2597500; Email: kundu@iitk.ac.in; Sp. **Statistical Signal Processing.**
- 2003 KUNDU, Gopal Chandra (b. 1959) PhD, FASc, FMASc, FRSC, FNA, JC Bose National Fellow; Director R&D, KIIT Deemed to be University, Bubaneswar 751024; Res. T-29, Nandanvan, Pimpli-Nilakh, Pune 411027; Tel. 09422506548, 08698578644 (M); Email: gopalc.kundu@kiit.ac.in; director.rnd@kiit.ac.in; gopalkundu@hotmail.com; Sp. Cancer Therapy/Drug Development/ Nanomedicine Research/Clinical Cancer Research.
- 1999 KUNDU, Malay Kumar (b. 1948) PhD, FNAE, FIAPR, FIETE, INAE Distinguished Professor, Machine Intelligence Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata-700108; Res. 130 Ramdulal Sarkar Street, Flat No. M2, Kolkata 700006; Tel. (033) 25753108/ 25783357(O), 22570226(R), 09831073983(M); Fax : 25783357, 25773035; Email: malay@isical.ac.in; malay@alum.mit.edu; kundumk@gmail.com; Sp. Image & Video Analysis/Machine Intelligence/Computer Science.

KUNDU, Subhas Chandra (b. 1947) PhD, Research Coordinator (Full Professor), I3Bs - Research Institute on Biomaterials, Biodegradables and Biomimetics, Headquarters of the European Institute of Excellence on Tissue Engineering and Regenerative Medicine, University of Minho, AvePark - 4805-017 Barco, Guimaraes, Portugal; Res. Rua da Restauracao 195-3, Braga, Sam Victor -4710-428, Pourtugal; Tel. +351 253 510 932 (office), +351 931 193 777 (cell); +91 9434012848 (cell); Email: sckundu@gmail.com; kundu@bt.iitkgp.ac.in; kundu@i3bs.uminho.pt; Sp. Biomaterials/3D cancer modelling/Regenerative medicine/Tissue engineering.

2018 KUNDU, Sudip (b. 1971), PhD, Professor, Dept. of Biophysics, Molecular Biology & Bioinformatics, University of Calcutta, 92 APC Road, Kolkata - 700009; Res. Flat A/6, Calcutta University Teachers Quarter Complex, P1/7, CIT Scheme VII M, Kankurgachi, Kolkata - 700054; Tel. (033) 23508386 Ext. 321(O), 23552099(R), 08617272767(M); Fax : 23501397; Email: skbmbg@caluniv.ac.in; sudipmp@gmail.com; Sp. Computational System Biology/Structural Bioinformatics/ Evolutionary Biology.

2005 KUNDU, Tapas Kumar (b. 1962) PhD, DSc, FNA, FASc, Sir JC Bose National Fellow; Professor, Transcription and Disease Laboratory, Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur PO, Bangalore - Tel. 09449456334(M); Email: tapas@jncasr.ac.in; tapas.jnc@gmail.com; Sp. Regulation of Gene Expression/Chemical Biology.

KUNWAR, Ajit Chand (b. 1949) PhD, Formerly NASI Senior Scientist, Emeritus Scientists (CSIR) and Scientist, NMR Group, CSIR-Indian Institute of Chemical Technology, Hyderabad - 500 007; Res. 202, Maitri Sandan, Lane No. 2, Sai Enclave, (Behind ICICI Bank), Habsiguda, Hyderabad – 500007; Tel. 09493942205(M); Email: ajit.kunwar@gmail.com; Sp. NMR Spectroscopy.

2009 KUNZRU, Deepak (b. 1947) PhD, FNAE, Distinguished Professor, (Chemical Engineering), School of Engineering and Applied Science, Ahmedabad University, GICT Building, Central Campus, Navrangpura, Ahmedabad - 380009; Res. 701, Sangath Diamond Tower, Motera, Ahmedabad - 380005; Tel. (079) 61911143(O), 09936335523(M); Email: dkunzru@iitk.ac. in; deepak.kunzru@ahduni.edu.in; Sp. Structured Reactors/Catalysis/Petroleum Refining.

2023 KURPAD, Anura Viswanath (b. 1959) MD,DNB,PhD,FIUNS, Professor, Department of Physiology, St. John's Medical College, Bengaluru - 560034; Res. B1, SJMC Staff Qtrs, Hosur Road, Bengaluru-560029; Tel. (080) 49466326(O), 09686512233(M); Email: a.kurpad@sjri.res.in; Sp. Physiology/Nutrition.

2014 KUSHWAHA, Satya Prakash Singh (b. 1955) PhD, FAvH, FNIE, Former Group Director, Dean (Acad.) and Professor & Head, Forestry & Ecology Department, Indian Institute of Remote Sensing, ISRO, Dehradun; Res. Humboldt House, 62 Hari Vihar, Vijay Park, Chakrata Road, Dehradun - 248001; Tel. 09411106224(M); Email : spskushwaha@gmail.com; Sp. Ecology/Biodiversity/Geoinformatics.

2016 LAHIRI, Goutam Kumar (b. 1960) PhD, FASc, FNA, Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Res. Nilgiri Building, Flat No.311, Building No. 24, IIT Bombay Campus, Powai, Mumbai - 400076; Tel. (022) 25767159(O), 25768159(R), 09819581787(M); Fax : 25723480; Email: lahiri@chem.iitb.ac.in; Sp. Coordination Chemistry/Electrochemistry/Spectroscopy.

1996 LAHIRI MAJUMDER, Arunendra Nath (b. 1946) PhD, DSc, FNA, FASc, FNAAS, INSA Honorary Scientist, Department of Microbiology & Biotechnology, Sister Nivedita University, Block – DG 1/2, Action Area I, New Town, Kolkata - 700156; Formerly Raja Ramanna Fellow (DAE), Senior Professor & Head, Division of Plant Biology, Bose Institute, Kolkata; Res. 5B2, FJORD Tower, Hiland Park, Kolkata - 700094; Tel.(033) 24367219(R), 09433027050(M); Email: alahirimajumder@yahoo.com; alahirimajumder@gmail.com; Sp. Plant Biochemistry & Molecular Biology/Plant Biotechnology.

2023 LAISHRAM, Rakesh Singh (b. 1979) PhD, Scientist F, Swarnajayenti Fellow, Rajiv Gandhi Centre for Biotechnology, Thycaud PO, Melaranoor Road, Jagathy, Trivandrum - 695014; Res. No.173, Jnanabharathi Layout, 1st Block, BDA New Layout, Mariyappanpalya, Near Bangalore University PG Mens Hostal No.5 Bangalore - 560056; Tel. (0471) 2529592(O), 09567667092(M); Email laishram@rgcb.res.in; rakesh.laishram@gmail.com; Sp. RNA Biology (Untranslated & Noncoding RNAs)/Molecular Biology (Gene Expression & Regulation)/Cardiovascular Sciences (Understanding Cardiac Hypertrophy & Heart Failure).

2001 LAKHINA, Gurbax Singh (b. 1943) PhD, FNA, Formerly NASI Senior Scientist, Emeritus Professor (CSIR), and INSA Honorary Scientist, Formerly Director, Indian Institute of Geomagnetism, Mumbai; Res. Neel Sidhi Towers, B-701, Plot No. 195, Sector 12, Vashi, Navi Mumbai - 400703; Tel. 09820422678(M); Email: gslakhina@gmail.com; Sp. Geomagnetism and Space Plasma Physics/Space Weather.

2002 LAKHOTIA, Subhash Chandra (b.1945) PhD, FNA, FASc, BHU Distinguished Professor & SERB Distinguished Fellow, Cytogenetics Laboratory, Department of Zoology, Banaras Hindu University, Varanasi-221005; Formerly NASI Senior Scientist; Res. 'Triveni', P 3/4 Ravindra Puri, Lane No. 13, Varanasi - 221005; Tel. Lab: (0542) 2368457, 2368145(O), 09453048657, 06392569670(M); Email: lakhotia@bhu.ac.in; sclakhotia@yahoo.co.in; Sp. Cytogenetics/Gene Expression/ Molecular Biology/Stress Biology/Ayurvedic Biology.

2012 LAKRA, Wazir Singh (b. 1955) PhD, DSc, FNAAS, NABARD Chair, ICAR-CMFRI MRC, Versova, Mumbai – 400061; Res. 45, Saini Enclave, IP Estate Extension, Vikas Marg, New Delhi – 110092; Tel. 09920906001(M), Fax: (022) 26392795, 26320824; Email: lakraws@hotmail.com; wslakra@gmail.com; Sp. Fisheries, Aquaculture Genetics and Biotechnology.

Council : Mem. 2015-16

LAKSHMANAN, Muthusamy (b. 1946) PhD, DSc(hc), FTWAS, FNA, FASc, Professor of Eminence & DST-SERB National Science Chair, Formerly DST-SERB Distinguished Fellow, NASI Senior Scientist, DAE Raja Ramanna Fellow & DST Ramanna Fellow, Department of Nonlinear Dynamics, School of Physics, Bharthidasan University, Tiruchirapalli - 620024; Res. 654, Periyar Salai, K.K. Nagar, Tiruchirapalli - 620021; Tel. (0431) 2407093, 2407057(O), 2459386(R), 09940823079(M); Fax: 2407093; Email: lakshman.cnld@gmail.com; lakshman@cnld.bdu.ac.in; Sp. Theoretical Physics-Nonlinear Dynamics.

2008 LAKSHMIKANTAM, Mannepalli (b.1955) PhD, FNA, FRSC, Dr. BP Godrej Distinguished Professor, JC Bose National Fellow, Department of Chemical Engineering, Institute of Chemical Technology, Matunga, Mumbai – 400019; Tel. (022) 33612015(O), 09769101554(M); Email: Ikmannepalli3@gmail. com; Ik.mannepalli@ictmumbai.edu.in; Sp. Catalysis/Materials /Organometallic Chemistry.

2001 LAKSHMIKUMARAN, Malathi (b. 1954) PhD, Senior Fellow, Head, Bio-resources & Biotechnology, TERI School of Advanced Studies, TERI, Darbari Seth Block, Habitat Place, Lodhi Road, New Delhi - 110003; Res. B5/114, Safdarjung Enclave, New Delhi - 110029; Tel. (011) 46063333, 4682100(O), 6193131(R); Fax: 4682144; Email: malathi@ lakshmisri.com; Sp. Plant Molecular Biology.

2018 LALORAYA, Malini (b. 1964), PhD, FRE, Scientist G, Division of Molecular Reproduction. Rajiv Gandhi Centre Biotechnology, Thycaud PO, Thiruvananthapuram - 695014; Formerly Raine Visiting Professor at University of Western Australia; Res. SRA 125A, TC 6/2041 (2), F-Lane, Elipode, Vattiyoorkavu, Thiruvananthapuram - 695013; Tel. (0471) 2529462(O), 2362633(R), 09349388512(M); Fax: 2529462; Email: laloraya@rgcb.res.in; laloraya@gmail.com; Biology/Endocrinology/Free Reproductive Radical Membrane Biology.

LALORAYA, Manmohan Manohar (b. 1934) D.Phil., Formerly Emeritus Scientist, RGCB, Trivendrum; Emeritus Fellow (UGC) and Emeritus Scientist (CSIR), Professor & Head, School of Life Sciences and Dean Faculty of Life Sciences, DAV, Indore; Vice-Chancellor, Pt. Ravi Shankar Vishwavidyalaya, Raipur; Res. G-1, Urvashi Apartments, 126, Indrapuri Colony, Indore - 452017; Tel. (0731) 2467170(R), 09329476575(M); Email: mmlaloraya @gmail.com; Sp. Plant Physiology/Plant Bio-chemistry/Animal Endocrinology.

1989 LAL, Krishan (b. 1941) PhD,DSc (hc), FNA, CV Raman Chair Professor of Physics, KR Managalam University, Gurugram; Former Director, National Physical Laboratory, Dr. K.S. Krishnan Road, New Delhi - 110012; Res. B-064, DLF ICON, Gurugram; Tel. (011) 45609104(O), 07042261993(M); Email: cochairkr@gmail.com; krish41ster@gmail.com; Sp. Physics of Materials

2001 LAL, Ravindra Kumar (b. 1936) PhD(Toronto, Canada), FNA, FASc, Formerly Professor and Emeritus Scientist, CSIR, Deptt. of Geology, BHU, Varanasi; Res. 69, Nand Nagar, Karaundi, I.T.I. Road, P.O. B.H.U., Varanasi - 221005; Tel. (0542) 2575129(R); Email: ravindraklal@rediffmail.com; Sp. Metamorphic Petrology/Mineralogical Thermodynamics.

2011 LAL, Rup (b. 1953) F(AAM), FNA, FNAAS, INSA Senior Scientist, Acharya Narendra Dev College, University of Delhi-110019; Res. B-104, Sector 55, Noida, UP-201301, 09810785766(M); Email: ruplal@gmail.com; Sp. Molecular Biology/Microbiology.

1977 LAL, Shiva Narain (b. 1941) D.Phil., D.Sc., Professor & Head, Department of Mathematics, Faculty of Science, Banaras Hindu University, Varanasi - 221 005; Res. New E/4, Jodhpur Colony, Banaras Hindu University, Varanasi - 221005; Tel. (0542) 2316970(R); Sp. Analysis/Topology/Functional Analysis/Mathematical Programming.

2007 LAL, Shyam (b. 1951) PhD, FASc, FNA, INSA Honorary Scientist, Physical Research Laboratory, Navrangpura, Ahmedabad - 380009; Res. H-901, Reflections by Pacifica, Malabar County Road, Nr. Vaishnodevi Circle, Ahmedabad - 382470; Tel. 09427627076(M); Email: shyamprl@gmail.com; Sp. Atmospheric Science/ Atmospheric Chemistry/Ozone and Trace Gases/ Environmental and Climatic Changes.

1979 LAL, Siddheshwar (b. 1928) PhD, Formerly Director, College Development Council, University of Indore; UGC Emeritus Fellow, Chief Executive and & Consultant, Inter University Consortium for D.A.E. Facilities, Indore; Res. 3/15 West Patel Nagar, New Delhi - 110008; Tel. (011) 42488137; Email: nlal17@rediffmail.com; Sp. Cosmic Rays and High Energy Physics.

Council: Mem. 83

2004 LAL, Sunil Kumar (b. 1961) PhD, Professor of Microbiology, Monash University (Sunway Campus), School of Science, Jalan Lagoon Selatan, 47500 Bandar Sunway, Selangor Darul Ehsan, Malaysia; Res. J-1072, Palam Vihar, Gurgaon - 122017; Tel. (+603) 55159606(O), (+60) 172516117(R); Fax: (+603) 55146184; Email: sunil.lal@monash.edu; Sp. Microbiology/ Molecular Genetics/ Biochemistry.

2012 LAVANIA, Umesh Chandra (b. 1952) PhD,DSc,FNA, INSA Senior Scientist, CSIR-National Botanical Research Institute, Lucknow– 226001; Formerly Chief Scientist & Head, Division of Genetics & Plant Breeding, CSIR-CIMAP, Lucknow; Res. 4/221, Vivek Khand, Gomti Nagar, Lucknow - 226010; Tel. (0522) 3581062(R), 09415516561(M); Email: lavaniauc@yahoo.co.in; lavaniauc@gmail.com; Sp. Molecular Cytogenetics/ Cytogenetics in Plant Breeding/ Eco-technology.

2022 LAXMAIAH, Avula (b. 1960) PhD, Scientist G & Head, Public Health & Nutrition, National Institute of Nutrition, Jamai Osmania Post, Tarnaka, Hyderabad - 500007; Res. H.No. 2-17-127/6/68, Raghavendra Nagar, Uppal, Hyderabad - 500039; Tel. (040) 29706419(R), 09395113419(M); Email: avulalaxman @yahoo.com; Sp. Triple Burden of Diseases: Undernutrition, Micronutrient Deficiencies and Non-Communicable Diseases.

2016 LAXMI, Ashverya (b. 1974) PhD, Scientist VI, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, P.B. No. 10531, New Delhi - 110067; Res. H-IV-S-004, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26735180(O), 26735146(R), 09891782198(M); Email: ashverya\_laxmi@nipgr. ac.in; laxmiashverya@rediffmail.com; Sp. Plant Physiology/ Plant Molecular Biology/Plant Signal Transduction.

1991 LELE, Shrikant (b. 1943) PhD, FNA, FASc, FNAE, Formerly Rector & Professor, Department of Metallurgical Engineering, IT, BHU; Res. Flat No. E12/307, Ivy Apartments, Ivy Estate, Wagholi, Pune - 412207; Tel. 09766433322(M); Email: drslele@gmail. com; Sp. Physical Metallurgy/Materials Science.

Council: Mem. 2007-08

LOBANA, Tarlok Singh (b. 1950) PhD, Formerly Professor, Head, Dean & CSIR-Emeritus Scientist, Department of Chemistry, Guru Nanak Dev University, Amritsar- 143005; Res. SCF 60, Kabir Park, Opp. GNDU, Khalsa College PO, Amritsar-143002; Tel. 09317598845(M); Email: tarlokslobana@yahoo.co.in; Sp. Inorganic Chemistry/Bio-inorganic Chemistry/Organometallic Chemistry.

2000 LOHIYĀ, Nirmal Kumar (b. 1946) PhD, FAMS, FIAES, NASI Senior Scientist, Emeritus Medical Scientist & President, ISSRF, Centre for Advanced Studies, Dept. of Zoology, University of Rajasthan, Jaipur- 302004; Res. 7/202, Malviya Nagar, Jaipur - 302017; Tel.(0141) 2701809(O),2546577(R), 09829124048 (M); Fax:2701809; Email: lohiyank@hotmail.com; Sp. Reproductive Biology/Endocrinology.

2023 LUTHRA, Kalpana (b. 1965) PhD, FAMS, FNA, Professor, Department of Biochemistry, Convergence Block, Room No. 4001, 4th Floor, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 110030; Res. Block A-1, G/7, DDA Flats, Panchsheel Enclave, New Delhi - 110017; Tel. (011) 26549242(O), 46595230(R), 09810412301(M); Email : kalpanaluthra@gmail.com; Sp. Biochemistry/HIV-1 Immunology/Molecular Biology.

MADAN, Mira (b.1934) PhD, FLS(Lond.), FPSI,FSMPP, Formerly Professor and Head, Emeritus Fellow, Centre for Rural Development & Technology, IIT Delhi; Res. K-II, MIG Flats, Prasad Nagar (Phase II), New Delhi- 110005; Tel. (011) 25718813(R); Sp. Applied Biology/Microbiology/Biotechnology/Transfer of Technology.

MADAN, Motilal (b. 1939) PhD(Mo, USA), DSc(hc), FNAAS, FNAVS, FISSR, Formerly Vice-Chancellor, University of Veterinary Sciences, Mathura & Agriculture University, Akola; Former Deputy Director General (Animal Sciences), IARI, New Delhi; Res. "Anugreh" Madan Lodge, 842, Sector 6, Urban Estate, Karnal, Haryana-132001; Tel. (0184) 2284783(R), 09896017878(M); Email: mlmadan@hotmail.com; Sp. Biotechnology/Animal Reproduction/Reproductive Endocrinology.

2022 MADDIKA, Subba Reddy (b. 1978) PhD, FASc, Staff Scientist VI and Group Leader, Laboratory of Cell Death & Cell Survival, Centre for DNA Fingerprinting & Diagnostics, Inner Ring Road, Uppal, Hyderabad - 500039; Res. Villa 61, Indu Aranya Harita, Bandiaguda, Nagole, Hyderabad - 500068; Tel. (040) 27216168(O), 35921368(R), 09963900011(M); Email msreddy@cdfd.org.in; maddikas@gmail.com; Sp. Cell Biology/ Signaling/Phosphatase Biology.

MADHUBALA, Rentala (b. 1952) PhD, FNA, FASc, FNAMS, 2007 Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. A-15/28, Vasant Vihar, New Delhi - 110057; Tel. (011) 26742630(O); Fax: 26742630; Email: madhubala@ mail.jnu.ac.in, rentala@hotmail.com; Sp.

Molecular Parasitology/Cell and Molecular Biology.

1997 MADHUSUDANAN, Kunnath Padmanabhan (b.1947) PhD, Formerly Scientist G, CDRI, Lucknow; Res. Sreesailam, 11/247, Millupady, East Veliyathnadu, UC College PO, Aluva - 683102, Kerala; Tel.(0484) 2608457(R), 09495026457(M); Email : kpmadhusudanan@hotmail.com, Sp. Mass Spectrometry.

2014 MADRAS, Giridhar (b. 1967) PhD, FNA, FASc, FNAE, Professor, Department of Chemical Engineering, Indian Institute of Technology, Hyderabad – 502285; Res. A-505, Indian Institute of Technology, Hyderabad - 502285; Tel. 09342519580(M); Email: giridhar@che.iith.ac.in; giridharmadras@gmail.com; Sp.

Chemical Engineering/Polymers/Catalysis.

MADYASTHA, Madhava Kattigari (b. 1937) PhD, FASc, Emeritus Professor, Deptt. of Organic Chemistry, Indian Institute of 1988 Science, Bangalore - 560012; Res. 162, Sree Krishna, NGEF Layout, 5th Main, 4th Cross, Sanjayanagar, Bangalore-560094;Tel. (080) 23415584(R); Fax: 3600529, Email: kmm@orgchem.iisc.ernet.in; Sp. Bioorganic Chemistry /Xenobiotics Metabolism/Microbial Transformat-ions.

1986 MAHADEVAPPA, Dandinasivara S. (b. 1933) PhD (Canada), Formerly Professor of Physical Chemistry, Chemistry Department, University of Mysore, Manasa Gangotri, Mysore-570006; Res.57,V Main 'A', Gokulam II Stage, Mysore-570 002. Tel. (0821), 512994(R); Sp. Physical Chemistry/Chemical Kinetics/Radiation Chemistry/Analytical Chemistry.

MAHAJAN, Mohinder Pal (b.1947) PhD, CSIR Emeritus Scientist, 2002 Department of Applied Chemistry, Faculty of Applied Sciences, Guru Nanak Dev University, Amritsar - 143005; Res. 67-B, New Kabir Park, P.O. R&S Mills, Amritsar - 143104; Tel. (0183) 2451410(R), 2258802-09 Ext. 3320(O), 09855844022. 2258820; +36703928507(M); 2258819, Fax Email: mohinderpmahajan@yahoo.com; Synthetic Sp. Mechanistic Organic Chemistry/ Development of Novel Synthetic Strategies in Synthesis of Heterocyclic Compounds/Heterodiene ycloadditions.

2015 MAHAJAN, Rakesh Kumar (b. 1955) PhD, Professor, Dept. of Chemistry, Guru Nanak Dev University, Amritsar - 143005; Res. 48, GF, B-Block, Ranjit Avenue, Amritsar - 143001; Tel. (0183) 2258802-09 Extn.3208(O), 2502223(R); Fax: 2258820; Email: rakesh\_chem@yahoo.com; Sp. Chemical Sensors/ Colloids and Interfaces/Material Chemistry.

MAHAJAN, Ramesh Chander (b. 1938) M.D.,FAMS, FNA, FICAI, FACP, FISP, FTWAS, Emeritus Professor, Dept. of Parasitology, PG Institute of Medical Education & Research, Chandigarh-160012; Formerly Head, Department of Parasitology and Virology & Chairman, Microbiology, PGIMER, Chandigarh; Res. H.No. 276, Sector 6, Panchkula - 134109, Haryana; Tel. (0172) 2747585-602 Ext. 5169(O), 2565628, 2578730(R); Fax: 2744401, 2745078; Email: indurc43@gmail.com, Sp. Parasitology/Microbiology/Immunology.

Council: Mem. 97-99

MAHAJAN, Suresh Kumar (b. 1942) PhD, Formerly Head, Molecular Biology and Agriculture Division, BARC, Mumbai and Gharda Professor of Biotechnology, The Institute of Science, Mumbai; Res. 10, Rohini CHS, Plots 29-30, Sector 9A, Vashi, Navi Mumbai-400703;Tel.(022) 27895219(R); 09820735495(M); Email:sk\_mahajan@yahoo.com; sureshkmahajan@gmail.com; Sp. Molecular Genetics.

2021 MAHALAKSHMI, Radhakrishnan (b. 1980) PhD, Professor, Molecular Biophysics Labortory, Academic Bldg. 3, Block C, Room 324, Dept. of Biological Sciences, IISER Bhopal, Bhopal Bypass Road, Bhauri, Bhopal - 462066; Res. GP-140, Lake Pearl Spring, Gandhinagar, Bhopal - 462036; Tel. (0755) 2691423(O), 09685004721, 09713783030(M); Fax: 2692392; Email: maha@iiserb.ac.in; mahas999@gmail.com; Sp. Membrane Protein Biophysics/Protein Folding/Mitochondrial Bioenergetics.

2010 MAHALE, Smita Dilip (b. 1957) PhD, FNA, ICMR Emeritus Scientist and Formerly Director, National Institute for Research in Reproductive and Child Health, Jehangir Merwanji Street, Parel, Mumbai - 400012; Res. A-503, Devdeveshwar Co-Op. Hsg. Society, Telly Galli, Gross Lane, Andheri (East), Mumbai - 400069; Tel. (022) 26842105(R), 09920391165(M); Email: smitamahale@hotmail.com; Sp. Reproductive Biology/ Protein Chemistry/Endocrinology.

Council: Mem. 2019-20, 20242004 MAHAPATRA, Ashok Kumar (b. 1952) M.S., M.Ch., FAMS,
Director, Sanjay Gandhi Postgraduate Institute of Medical
Sciences, Raebareli Road, Lucknow - 226014; Res. Director's
Bungalow, SGPGIMS, Campus, Raebareli Road, Lucknow 226014; Tel. (0522) 2668112(O), 2668240(R); Fax: 2668129,
2668017, 2668078; Email: director@sgpgi.ac.in; Sp. Medical
Science/ Neurosurgery.

2019 MAHAPATRA, Nitish Ranjan (b. 1971) PhD, FNA, FAHA, Professor, Department of Biotechnology, IIT Madras, Chennai - 600036; Res. B-26-6D Delhi Avenue, IIT Madras, Chennai - 600036; Tel. (044) 22574128(O), 22576128(R), 09884968612(M); Email: nmahapatra@iitm.ac.in; Sp. Gene Regulation/Molecular Medicine/Human Molecular Genetics.

2016 MAHAPATRA, Susanta (b. 1968) PhD, FASc, FAPAS, Senior Professor, School of Chemistry, University of Hyderabad, Gachibowli, Hyderabad - 500046; Res. Hyderabad Central University Campus, A-04, Hyderabad - 500046; Tel. (040) 23134826(O), 23010654(R), 09440303184(M); Email: susanta. mahapatra@uohyd.ac.in; Sp. Theoretical Chemistry/Chemical Dynamics.

2022 MAINKAR, PRATHAMA S. (b. 1964) PhD, Senior Principal Scientist, CSIR-Indian Institute of Chemical Technology, Taranaka, Hyderabad - 500007; Res. F.No.404, Classic Elegant Apt., 3-3-821/2, Kutbiguda, Hyderabad - 500027; Tel. (040) 27193434(O), 09848497984, 09440802783(M); Email: prathama@iict.res.in; prathamam@gmail.com; Sp. Synthetic Organic Chemistry/Drug Discovery/API Synthesis.

MAITI, Biswaranjan (b. 1937) PhD, FLS (Lond.), Formerly Professor (CU) & Emeritus Fellow (UGC); Off. Department of Zoology, University of Calcutta, 35 Ballygunge Circular Road, Kolkata - 700019; Res. Purbalaya Housing Cooperative Society, 4/1, Bedia Danga 1st Lane, Flat No. 12, Kolkata - 700039; Tel. (033) 24615445 Ext. 285(O), 23443047(R); Email: drbrm123@hotmail.com; Sp. Endocrinology/ Reproductive Biology/Histology.

2003 MAITI, Himadri Sekhar, PhD, Former Director, CGCRI, Kolkata & Former INAE Distinguished Professor; Res. Neo-Nine, Flat: D1, 216A Kalikapur Road, Kolkata – 700099; Tel. 09433009241(M); Email: hsmaiti2009@gmail.com; Sp. Materials Engineering/Glass & Ceramic Engineering.

2012 MAITI, Kalobaran (b. 1967) PhD,FASc, FNA, Senior Professor I, Dean, Natural Science Faculty, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai - 400005; Res. 703 Meghnad, TIFR Housing Complex, Homi Bhabha Road, Colaba, Mumbai - 400005; Tel. (022) 22782302(O); Fax: 22804610; Email: kbmaiti@tifr.res.in; Sp. Correlated Electron Systems/Electron Spectroscopy/Magnetism, Superconductivity and Topological Order.

2000 MAITI, Motilal (b. 1944) PhD, FAScT, Formerly Scientist G (Director Grade) and Acting Director, Indian Institute of Chemical Biology, Kolkata; Res. 'KADAMBINI', Rajpur Royal Estate Society, P-29, M.N. Roy Road, Kolkata -700149; Tel.(033) 24276106/1232(R); Email: mmaitiiicb@yahoo.co.in; Sp. Molecular Biophysics/Biophysical Chemistry.

2012 MAITI, Saurindra Nath (b. 1949) PhD, Professor (HAG Scale), Centre for Polymer Science & Engineering, IIT, Hauz Khas, New Delhi - 110016; Res. Flat No. 4012, First Floor, D-4, Vasant Kunj, New Delhi - 110070; Tel. (011) 26591494(O), 26591697(R), 09818695375(M); Fax : 26591421; Email : maitisn49@yahoo.co.in; maiti@polymers.iitd.ac.in; Sp. Polymer Technology/Polymer Blends & Micro Nano Composites/Biodegradable Polymer Systems.

2010 MAITI, Surjya Kumar (b. 1948) PhD, FNAE, FIE, FASME, GK
Devarajulu Chair Professor of Mechanical Engineering, Indian
Institute of Technology Bombay, Powai, Mumbai - 400076; Res.
B-138, IIT Bombay Campus, Powai, Mumbai - 400076; Tel.
(022) 25767526(O), 25768526(R); Fax: 25726875; Email:
skmaiti@me.iitb.ac.in; Sp. Stress Analysis/ Finite Element
Methods/Fracture Mechanics.

2008 MAITRA, Saumen Kumar (b.1953) PhD, FAScT, FRE, FZS, Professor of Zoology, Visva-Bharati University, Santiniketan - 731235; Res.137/3/1 Mission Compound (North), Bolpur - 731204; Tel.(03463) 261268(O), 255979(R), 09434375781(M); Fax: 261268,262672; Email:dgp\_skmaitra@yahoo.co.in; Sp. Environmental Endocrinology/Reproductive Biology/Chronobiology.

MAITY, Dilip Kumar (b. 1964) PhD, Associate Dean, Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai - 400094; Res. 9-F, Malayagiri, Anushaktinagar, Mumbai - 400094; Tel. (022) 25597623(O), 25570791(R), 09869665141(M); Email: dkmaity@barc.gov.in; maitydk@hbni. ac.in; Sp. Theoretical & Computational Chemistry.

2019 MAJEE, Manoj (b. 1976) PhD, Staff Scientist V, National Institute of Plant Genome Research, New Delhi - 110067; Res. H.IVS-101, NIPGR Campus, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26735193(O), 26735150(R), 09910673040(M); Fax: 26741658; Email: manojmajee@nipgr.ac.in; majeem@yahoo.

co.uk; Sp. Plant Molecular Biology/Biochemistry.

2018

MAJI, Pradipta (b. 1976), PhD, Professor, Machine Intelligence Unit, Indian Statistical Institute, 203 B.T. Road, Kolkata - 700108; Res. Abhilash, 630 Vidyasagar Park 2nd Lane, Pirepukure Road, Bansdroni, Kolkata - 700070; Tel. (033)25753125, 25753113(O), 24284525(R), 9433203644, 9831326485; Fax: 25783357; Email: pmaji@isical.ac.in; Sp. Pattern Recognition/Machine Learning/Image Processing.

2020 MAJI, Samir K. (b. 1974) PhD, Professor, Department of Biosciences and Bioengineering, IIT Bombay, Powai, Mumbai - 400076; Res. B17, Building 4, IIT Bombay, Powai, Mumbai - 400076; Tel. (022) 25768774(O), 25767774(R), 09769688774(M); Email: samirmaji@iitb.ac.in; Sp. Protein Biochemistry/Amyloid Diseases/Biomaterials.

MAJUMDAR, Alak Kumar (b.1941) PhD, Visiting Professor, Harish-Chandra Research Institute, Chhatnag Road, Jhunsi, Prayagraj - 211019 Res. 23A, Motilal Nehru Road, Kolkata - 700029; Tel. (033) 24756896(R), 09433619068(M); Email: akm@iitk.ac.in; akmajumdar@hri.res.in; Sp. Magnetism/LowTemperature Physics.

2018 MAJUMDAR, Parthasarathi (b. 1953), PhD, Visiting Professor, School of Physical Sciences, Indian Association for the Cultivation of Science, Kolkata - 700032; Res. 4B St George Terrace, Hastings, Kolkata - 700022; Tel. (033) 24734971(O), 22233068(R), 08017930642(M); Email: bhpartha@gmail.com; Sp. Gravitational Theory including Black Hole Physics/Gauge Field Theory.

2015 MAJUMDAR, Pinaki (b. 1964) PhD, Director, Harish-Chandra Research Institute, Chhatnag Road, Jhusi, Prayagraj - 211019; Res. Harish-Chandra Research Institute, Chhatnag Road, Jhusi, Prayagraj - 211019; Tel. (0532) 2274316(O), 2274043(R); Email: pinaki@hri.res.in; Sp. Condensed Matter Physics.

MAJUMDAR, Siddhartha (b. 1944) MBBS, DCH, MD, PhD, Vice-Chancellor, The West Bengal University of Health Sciences, DD-36, Sector - I, Salt Lake, Kolkata - 700064; Tel. (033) 23215389(O); Fax: 23580100; Email: vcuhs@yahoo.com; Sp. Medical Biochemistry.

2009 MAJUMDAR, Subeer Suhash (b. 1961) PhD, FNA, FASc, Director General, Gujarat Biotechnology University, Near Gujarat International Finance Tec (GIFT) - City, Shahpur Village, Gandhinagar — 382355, Gujarat; Tel. 09909957410(O), 09818170750(M); Email: dg@gbu.edu.in; subeer@niab.org.in; subeer@nii.ac.in; Sp. Animal Biotechnology/Endocrinology/Reproduction.

2013 MAJUMDAR, Subrata (b. 1955) PhD, ICMR Emeritus Scientist, Division of Molecular Medicine, Bose Institute, P1/12, CIT Scheme VII M, Kolkata - 700054; Res. 135A Dumdum Park, 2nd Floor, Kolkata - 700055; Tel. (033) 25693230(O), 25906942(R), 09831148783 (M); Fax: 23553886; Email: subrata@bic.boseinst.ernet.in; subrata@jcbose.ac.in; Sp. Signal Transduction/Cell Biology/ Immunology.

2016 MAJUMDER, Gobinda (b. 1967) PhD, FNA, FASc, Senior Professor, Tata Institute of Fundament Research, Homi Bhabha Road, Navy Nagar, Mumbai - 400005; Res. 903 Bhaskara, TIFR Housing, Homi Bhabha Road, Navy Nagar, Mumbai - 400005; Tel. (022) 22782378(O), 22783378(R); Fax : 22804610; Email: gobinda@tifr.res.in; Sp. Experimental High Energy Physics.

MAJUMDER, Gopal Chandra (b. 1942) PhD, FAScT, Senior Scientist (Honorary) and Ex- AlCTE Emeritus Fellow, Center for Rural and Eryogenic Technologies, Jadavpur University, Kolkata – 700032; Former ICMR Emeritus Scientist, & Scientist-G, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata - 700032; Res. Vasundhara Apart, 201 C, Raipur Road, P.O. Naktala, Kolkata - 700047; Tel. (033) 2414-6965(O), 24217363(R); Email: majumdergc42@yahoo. co.in; majumdergc42@gmail.com; Sp. Sperm Biochemistry/ Membrane Biology/ Enzymology.

MAJUMDER, Hemanta Kumar (b.1950) PhD, FNA, FASc, FAScT(WB), FTWAS, NASI Senior Scientist, Indian Institute of Chemical Biology, 4 Raja S.C. Mullick Road, Kolkata - 700032; Former Working Chairman, West Bengal State Council of Science & Technology, Govt. of West Bengal, Kolkata; Res. Diagantika Samabaya Abasani, Flat-F/11, Block AH, Sector-II, Salt Lake City, Kolkata-700091; Tel. (033) 24123207(O), 23591532(R); Fax: 24735197(O); Email : hkmajumder@iicb.res.in; hemantamajumder@yahoo.co.in; Sp. Biochemistry /Parasitology/ Molecular Biology.

Council: Mem. 2016-17

2006 MAJUMDER, Partha Pratim (b. 1952) PhD, FNA, FASc, FTWAS, SERB National Science Chair, Distinguished Professor & Founding Director, National Institute of Biomedical Genomics, Netaji Subhas Sanatorium, 2nd Floor, PO NSS, Kalyani - 741251; Res. P-53, Arunachal(East), Sodpur, Kolkata – 700110; Tel. (033) 25892151(O), 25654314(R); Email: ppm1@nibmg.ac.in; Sp. Human Genetics/ Biostatistics.

2007 MALHOTRA, Bansi Dhar (b. 1950) PhD, FNA, Biomedical Instrumentation Section, CSIR-National Physical Laboratory, New Delhi - 110012; Res. Flat No. 02031, Tower 19, Oakwood, Mahagun My Woods, Sector 16C, Noida Extension, Gautam Budh Nagar - 201308; Tel. (0120) 4153826(R), 09968375812(M); Email: bansi.malhotra@gmail.com; bansi. malhotra@dce.ac.in; Sp. Biomolecular Electronics/Biosensors/Nano-Biomaterials/Ordered Molecular Assemblies, Conducting Polymers.

1975 **MALHOTRA, K.C.** (b. 1934) PhD, Chairman, H.P. Staff Selection Board, Hamirpur, H.P. and Formerly Vice-Chancellor, H.P. University, Summerhill; Sp. Inorganic Chemistry.

1982 **MALHOTRA, Om Prakash** (b. 1929) PhD,Dr.rer.nat., Formerly Professor, Biochemistry Deptt., Faculty of Science, Banaras Hindu University, Varanasi; Res. A6-3 Annapurna Nagar Colony, Opp.Kashi Vidyapeeth, Varanasi - 221002; Tel. (0542) 2361559; Sp. **Enzymology.** 

MALHOTRA, Pawan (b. 1960) PhD,FASc, FNA, JC Bose Fellow, Group Leader, Malaria Biology Group, International Centre for Genetic Engineering & Biotechnology, New Delhi - 110067; Res. I-133, Kirti Nagar, New Delhi - 110015; Tel. (011) 26742895(O), 45606313(R), 09810779378(M); Fax: 26742316; Email: pawanmal@gmail.com; Sp. Malaria Parasite Biology/Molecular Biology/Drug & Vaccine Development.

MALHOTRA, Rajender Kumar (b. 1939) PhD, Formerly Professor, H.P. University, Shimla; Res. 140, Vista Villas, Greenwood City, Sector 46, Gurgaon - 122003; Sp. Animal Physiology/

Developmental Biology/Muscle Biology.

2017 MALHOTRÁ, Rajesh (b. 1962) MS, FACS, FRCS, FICS, FIMSA, FAMS, Professor & Head of Orthopaedics & Chief, JPNA Trauma Centre, AIIMS; Res. S-25, IInd Floor, Rajouri Garden, New Delhi - 110027; Tel. (11) 26593341, 26593589(O), 25109729(R), 09868397112, 09990020044; Fax: 26589093; Email: rmalhotra62@hotmail.com; Sp. Hip & Knee Replacement/Ostroporosis/Complex Trauma.

1986 MALHOTRA, Y.R. (b. 1933) PhD, Formerly Vice-Chancellor, University of Jammu, Jammu; Res. 6 D/C, Gandhinagar, Jammu; Tel. (0191) 535268(O), 30457(R); Sp. Fish Biology/

Ecology (Wildlife).

2023 MALL, Rajesh Kumar (b. 1965) PhD, Professor & Coordinator, DST-Mahamana Centre of Excellence in Climate Change Research, Former Dean & Head, Institute of Environment and Sustainable Development, B.H.U., Varanasi - 221005; Res. A-1, Type V, Teachers Residential Flats, Jodhpur Colony, Banaras Hindu University, Varanasi - 221005; Tel. 08765447799(M); Email:rkmall@bhu.ac.in; mall\_raj@rediffmail.com; Sp. Climate Change & Impacts/Climate-Crop Simulation Modelling/Disaster Risk Management/Meteorology.

MALLICK, Birendra Nath (b. 1956) DMS, PhD, FNA, FASc, FAScT, 2000 Professor & Director, Amity Institute of Neuropsychology & Neurosciences, Amity University Campus, Sector 125, Noida -201313; Res. 5D JNU Aravali Appartments, Gurugram, Sector 56, Haryana - 122011; Tel. (0120) 4392652(O), 09311379248, 09810660572(M); Email: bnmallick@amity.edu; remsbnm@ vahoo.com; Sp. Physiology/Neurophysiology; Neuro-**Neuro-Cognitive** Sleep-Pharmacology: Biology: Wakefulness-REM Sleep.

2018 MALLICK, Nirupama (b. 1964), PhD, FNA, Professor, Agricultural and Food Engineering Department, IIT Kharagpur, West Midnapore, West Bengal - 721302; Res. A-41, IIT Campus, IIT Kharagpur, West Midnapore, West Bengal - 721302; Tel. (03222) 283166(O), 283167(R), 09434041662(M); Email: nm@agfe.iitkgp.ac.in; nmagfe@gmail.com; Sp. Algal Biotechnology.

2004 MALLIK, Asok Kumar (b. 1947) PhD, FNAE, FASc, FNA, Formerly Professor, Department of Mechanical Engineering, IIT Kanpur; Res. P31, CIT Road, Scheme VI(MS), Kolkata - 700054; Tel. (033) 23648833(R); Email : akmallik@iiitk.ac.in, asokiitk@gmail.com; Sp. Mechanical Engineering.

2007 MALIK, Ranjan Kumar (b. 1964) PhD, FNA, FNAE, FASc, FIEEE, FIET (UK), FIETE, FTWAS, FIE(I), Professor, Department of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016; Res. 1, West Avenue, IIT-Delhi, Hauz Khas, New Delhi - 110016; Tel. (011) 26591049(O), 26591572(R); Fax: 26581606; Email: rkmallik@ee.iitd.ernet.in; ranjankmallik@yahoo.co.in; Sp. Electrical Engineering (Communications).

Council: Mem. 2024-

MALVIYA, Anand Narayan (b.1939) MD, FRCP(Lond.), FACP, FICP, FAMS, Consultant Rheumatologist, 'A&R Clinic' and Visiting Sr. Consultant Rheumatologist ISIC Superspeciality Hospital, New Delhi; Res. Flat 2015, Sector B-2, Vasant Kunj, New Delhi - 110070; Tel. (011) 26130664, 09810354220(M); Fax: 26130725; Email: anand\_malaviya@yahoo.com; Sp. Rheumatology.

2010 MAMIDALA, Jagadesh Kumar (b. 1960) PhD, FNAE, FIETE, Chairman, University Grants Commission, New Delhi - 110002 and Professor, Department of Electrical Engineering, IIT Delhi, New Delhi - 110016; Tel. (011) 23234019(O); Email: mamidala@ee.iitd.ac.in; cm.ugc@nic.in; Sp. Nanoelectronics.

2003 MANCHANDA, Ravinder Kumar (b. 1947) PhD, Formerly NASI Senior Scientist, Department of Physics, Mumbai University, Santacruz (E), Mumbai - 400098; Res. 31, New Cosmos CHSL, Juhu-Versova Link Road, Andheri West, Mumbai - 400053; Tel. (022) 26705068(R), 09869423965(M); Email: ravi@tifr. res.in; Sp. X-Ray & Y-Ray Astronomy/Space Instrumentation/Aerosol Physics.

2023 MANDAL, Bhabani Prasad (b. 1968) PhD, Senior Professor, Department of Physics, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. New G-1, Jodhpur Colony, BHU Campus, Banaras Hindu University, Varanasi - 221005; Tel. (0542) 2986164(R), 09935048298(M); Email : bhabani@bhu.ac.in; bhabani.mandal@gmail.com; Sp. Quantum Field Theory:Finite BRST Transformation/Non-Hermit- ian Quantum Theories & Applications/Exceptional Orthogonal Polynomials & Rational Extension of Quantum Theories.

1999 MANDAL, Birendra Nath (b. 1943) PhD, C.Math., FIMA, Formerly NASI Senior Scientist and Professor, Physics & Applied Mathematics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata - 700108; Res. 110/22C, B.T. Road, Kolkata - 700108; Tel. 25778922(R), 09433870967(M); Email: bnm2006@rediffmail.com; Sp.Water Waves/Integral Equations/Integral Transforms/Wavelets.

2004 MANDAL, Chitra (b. 1951) PhD, FTWAS, FNA, FASc, FNAMS, FAScT, Honorary Visiting Professor, Department of Zoology, Diamond Harbour Women's University; Res. B-131 Survey Park, Kolkata- 700075; Tel. 09831036964(M); Email: chitra\_mandal@yahoo.com, Sp. Cancer Biology/ Glycobiology/Leishmaniasis.

MANDAL, Lolitika (b. 1971) PhD, FNA, FASc, Professor, Biological Sciences, 4F10, Academic Block, Indian Institute of Science Education and Research Mohali, Sector 81, SAS Nagar, Mohali - 140306; Res. Apt. 403, MJ Block, Faculty Housing, IISER Mohali, Sector 81, SAS Nagar, Mohali - 140306; Tel. (0172) 2293172(O), 09988571790(M); Fax: 2240266; Email: lolitika@iisermohali.ac.in; Sp. Developmental Biology/Genetics/Stem Cell Biology.

2016 MANDAL, Mahitosh (b. 1963) PhD, FNA, FASc, FAScT, FRSB, Arvind & Renu Jain Chair Professor & JC Bose National Fellow, School of Medical Science & Technology, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. Q.No.B-132, IIT Kharagpur Campus, Kharagpur - 721302; Tel. (03222) 283578(O), 283579(R), 09434896984(M); Fax: 282221; Email: mahitosh@smst.iitkgp.ac.in; mahitoshm@gmail.com; Sp. Cancer Drug Discovery/Cell Signaling/Drug Delivery.

1993 MANDAL, Nitai Chandra (b. 1938) PhD, FNA, FASc, Former Professor & Emeritus Scientist, Dept. of Biochemistry, Bose Institute, Kolkata; Res. E-5, Digantika, AH-Block, Sector II, Salt Lake, Kolkata-700091; Tel. 09477585894(M); Email: mandalnc2003@yahoo.com; Sp. Molecular Biology.

2020 MANDAL, Prantik (b. 1965) PhD, FNA, FTAS, Chief Scientist & Head, Seismological Imaging Group, CSIR-NGRI, Hyderabad - 500007; Res. Flat No.104, Tower 'C', Raheja Vistas, Road No. 12, IDA Nacharam, Hyderabad - 500076; Tel. (040) 27012888(O), 07893286892(M); Fax : 23434651; Email : prantikmandal62@gmail.com; Sp. Tomographic Inversion/Modeling & Processing of Earthquake Data/Modeling of Earthquake Hazard.

1980 MANDE, Chintamani (b. 1925) D.Phil.,D.Sc.(Paris),FASc, Formerly Professor & Head of Physics.; Res. S-29, Bharat Nagar, Nagpur-440001; Tel. (0712) 2532407(R), 09850150633(M); Email:chintamanimande@gmail.com;Sp. X-Ray Spectroscopy/ Solid State Physics/Materials Science.

Council: Mem. 81, 83

2003 MANDE, Shekhar Chintamani, (b. 1962) PhD, FNA,FASc, Director General, CSIR & Secretary to the Gol, DSIR, Anusandhan Bhawan, 2 Rafi Marg, New Delhi - 110001; Tel. (011) 23710472, 23717053(O); Fax: 23710618; Email: dgcsir@csir.res.in; dg@csir.res.in; Sp. Macromolecular Crystallography/Protein Structure & Function.

2015 MANGLIK, Ajay (b. 1966) PhD, Chief Scientist, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad - 500007; Res. Qtr.Nr.VI/04, NGRI Colony, Uppal Road, Hyderabad - 500007; Tel. (040) 27012884(O); Fax: 23434651; Email: ajay@ngri.res.in; amngri@gmail.com; Sp. Geophysics (Computational Geodynamics).

MANILAL, Kattungal Subramaniam (b. 1938) PhD, FBS, FES, FIAAT, Emeritus Professor, Chairman, Centre for Research in Indigenous Knowledge, Science & Culture, Calicut; Formerly Sr.Professor of Botany, Dean, Faculty of Science & Director, Academic Staff College, University of Calicut; Res. D-37, Jawahar Nagar, Calicut-673006; Tel. (0495) 2770485(R); Email: manilalks@yahoo.co.uk; Sp. Taxonomy/Ecology/Ethnobotany.

MANI, H.S. (b.1938) PhD(Columbia), FASc, Adjunct Professor, Chennai Mathematical Institute, Plot H1, SIPCOT IT Park, Padur PO, Siruseri - 603103, Chennai; Res. 2(New) Forth Cross Street, Durga Colony, Sembakkam, Chennai - 600073; Tel. (044) 22281131(R), 09444704725(M); Email : hsmani@gmail.com; Sp. Particle Physics.

Council: V.P. 97-98 Mem. 99-2000, 2004-05, 2014-15

2005 MANNA, Indranil (b.1961) PhD,DSc(hc),PRS,FNA,FASc,FNAE, FIIM, FIE, FTWAS, JC Bose Fellow and Vice Chancellor, Birla Institute of Technology (BIT) Mesra, Ranchi - 835215, Jharkhand; Formerly Director, IIT Kanpur & CSIR-CGCRI, Kolkata; Tel. (0651) 2275402(O), 08127884422 (M), Email: imanna@metal.iitkgp.ac.in; im\_kgp@yahoo.co.in; Sp. Physical Metallurgy/Phase Transformation/Nanomaterials/Surface Engineering/Additive Manufacturing.

MANNA, Sunil Kumar (b.1968) PhD, Staff Scientist & Head, Laboratory of Immunology, Centre for DNA Fingerprinting & Diagnostics, Laboratory Complex, Tuljaguda, Opp. M.J. Market, Nampally, Hyderabad - 500001; Res. Kalyan Kuteer, Flat-G 08, Block C, Bhavani Nagar, Street-1, Nacharam, Hyderabad - 500076; Tel. (040) 24749412(O), 27175028(R), 09490745827(M); Fax: 24749448; Email: manna@cdfd.org.in; sunilmanna@gmail.com; Sp. Immunology /Receptor Biology/Tumor Biology.

2004 MANOCHA, Lalit Mohan (b. 1951) PhD, FNASI, FGSA, FAPAM, Former Dr. Raja Ramanna DRDO Distinguished Fellow, DMSRDE Kanpur & Former Professor of Materials Science, Sardar Patel University; Res. 169A, Near DPS, Sector 45, Gurugram - 122003 (Haryana); Tel. 09953203861(M); Email: lalitmanocha@gmail.com; manocha52@rediffmail.com; Sp. High Temperature Composite Materials/Carbon Science & Technology/Nanomaterials and Nanotechnology.

2004 MANOHARACHARY, Chakravarthula (b. 1945) PhD,D.Sc., NASI Honorary Scientist; Formerly Senior Professor, Department of Botany, Dean, UGC & Developmental Affairs, Osmania University, Hyderabad - 500007; Res. H.No.2-2-1144/23/1 (MCH 250), New Nallakunta Hyderabad - 500044; Tel. (040) 27682244(O), 27562723(R); Fax: 27098704, 27098003; Email: cmchary@rediffmail.com; Sp. Mycology / Plant Pathology / Microbial Biotechnology.

MARIA-JOSEPPH, Michael Aruldhas (b. 1954) PhD, FRE, Former Professor & Head, Department of Endocrinology, Former Director, Dr ALM PG Institute of Basic Medical Sciences, University of Madras, Chennai-600113; Res. Benison, Door No.2, Plot No.67, Third Cross Street, Kamarajar Nagar, Perungudi, Chennai - 600096; Tel. (044) 29520566, 43323157(R), 09444134284, 09840925925(M); Email : aruldhasmm@gmail.com; aruldhasmm@yahoo.com; Sp. Endocrinology/Reproductive Biology/Cancer Biology/Environmental Endocrine Disruptor.

MARIMUTHU, Ganapathy (b. 1954) PhD, DSc, FNA, FASc, INSA Honorary Scientist & Professor, Department of Animal Behaviour and Physiology, School of Biological Sciences, Madurai Kamaraj University, Madurai; Res. 2/201, North 2<sup>nd</sup> Street, Rajambadi, Palkalai Nagar, Madurai-625021; Tel. 09791696463(M); Email: emailboxgm@gmail.com; mailbox\_gm@rediffmail.com; Sp. Animal Behaviour and Chronobiology.

MASHELKAR, Raghunath Anant (b. 1943) PhD, DSc(hc), FNA, FASc, FNAE, FTWAS, FRS, National Research Professor, Former President, INSA; Former Chairman, National Innovation Foundation, 3<sup>rd</sup> Floor, Adams Court, Baner, Pune - 411045; Formerly DG, CSIR & Secretary, DSIR; Res. 'Raghunath', D-4, Varsha Park, Baner, Pune - 411005; Tel. (020) 46925703, 46925700(O), Email: ram@mashelkar.com; Sp. Polymer Science & Engineering/ Molecular & Convective Diffusion/Non-Newtonian Fluid Mechanics/Rheology.

1987 MATHAI, A.M. (b. 1935) PhD, Emeritus Professor, Dept. of Mathematics & Statistics, McGill University, 805 Sherbrooke Street West, Montreal, Quebec, Canada, H3A 2 K6; Tel. 514-398-3826(O); Fax: 514-398-3899; Email: a.mathai@mcgill.ca; directorcms458@gmail.com; Sp. Mathematics/ Statistics.

MATHAN, Vadakenadayil Ittyerah (b. 1937) MD, PhD, FRCP (Lond), FNA, FAMS, Honorary Advisor, National Institute of Epidemiology, Indian Council of Medical Research, Chennai; Formerly Director & Professor of Medicine & Gastroenterology, Christian Medical College Hospital, Vellore - 632004; Res. Flat 4, Shanthi, 15 Second Avenue, Harrington Road, Chetpet, Chennai - 600031; Tel. (044) 42068200(O), 28362473(R), 09840038637(M); Email: vimathan19@gmail.com; Sp. Gastroenterology/Epidemiology/ Medical Administration.

1997 MATHAVAN, Sinnakaruppan (b.1948) PhD, Senior Professor & Chief Scientist, Head of the Department, ONGC Department of Genetics and Molecular Biology, Vision Research Foundation, Sankara Nethralaya, 41 College Road, Chennai – 600006; Email : mathavans@snmail.org; Sp. Genomics, Transcriptomics, MicroRNAs, Whole Genome Seq and Exome sequencing; Diabetic retinopathy; DNA methylation and Diabetic retinopathy.

MATHUR, Asha (b. 1938) M.D., FRC Path (London), FNA, FASc, FAMS, FTWAS, Emeritus Medical Scientist, Professor & Head, Dept. of Microbiology & Pathology, Saraswati Dental & Medical College, 233 Tiwari Ganj, Faizabad Road, Lucknow - 227105; Formerly Professor & Head, Department of Microbiology, K.G. Medical College, Lucknow; Res. 103, Shalimar Estate, Birbal Sahni Marg, Lucknow - 226007; Tel. (0522) 2815044 Ext. 236(O), 2780325(R), 09621395580(M); Email: asha.mathur@gmail.com; Sp. Medical Microbiology/Virology/ Immunology.

MATHUR, Parmatma Chandra (b. 1934) PhD, Formerly Professor and Emeritus Fellow, Dept. of Electronics, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021; Res. 113D, ILA Apartments, B-7, Vasundhra Enclave, Delhi -110096; Tel. (011) 24116718(O), 22629107(R); Fax: 24116427; Email : pramod48@rediffmail.com; Sp. Semiconductor Materials/Electronic Devices/Solid State Electronics.

1989 MATHUR, Pramod Behari (b. 1936) PhD, Formerly Astt.Director General (Education), ICAR;Res.311SFS DDA Flats, Hauz Khas,New Delhi-110023;Tel.(011) 26851842(R);Sp. Veterinary Parasitology.

2018 MATHUR, Premendu Prakash (b. 1955), PhD, FAMS, Vice Chancellor, Birla Global University, IDCO Plot No. 2, Institutional Area, Gothapatna, Bhubaneswar - 751029; Formerly Vice Chancellor, KIIT University, Bhubaneswar; Res. Vice Chancellor's Residence, Birla Global University, IDCO Plot No. 2, Institutional Area, Gothapatna, Bhubaneswar - 751029; Tel. (0674) 7103001 Extn. 101(O), 08220222348, 09443368111 (M); Email: ppmathur@yahoo.com; vc@bgu.ac.in; Sp. Reproductive Endocrinology & Toxicology/Biochemistry/Bioinformatics.

1980 MATHUR, Shri Narain (b. 1930) PhD, FBS,Formerly Professor & Head, Botany Dept., Gorakhpur University,Gorakhpur; Res.Hirapuri Colony, University of Gorakhpur,Gorakhpur-273009; Tel. (0551) 332997(R); Sp. Plant Physiology/Biochemistry/Biotechnology.

MATTOO, Brij Nath (b. 1933) PhD,D.Sc., Director, Forensic Science Laboratories, State of Maharashtra, Santacruz, Kalina-Vidyanagari, Mumbai-400 098; Res. Dilwara,8,Maharishi Karve Marg, Mumbai-400021; Tel. (022) 26145950(O), 22042223(R); Sp. Analytical Chemistry/Physical Chemistry/Forensic Science.

MAULIK, Ujjwal (b. 1965) PhD, FIEEE, FIAPR, FINAE, FIETE, FIE, Professor & Former Chair, Department of Computer Science & Engineering, Jadavpur University, Kolkata - 700032; Res. Regent Park, Rahara, 24 Parganas (North)-700118; Tel. (033) 24131766(O), 26467081(R), 09831059085(M); Fax: 24131766; Email: ujjwal.maulik@jadavpuruniversity.in; ujjwal\_maulik@yahoo.com Sp. Machine Intelligence/Data Science/Bioinformatics.

2020 MAZUMDAR, Indranil (b. 1967) PhD, Professor (H), Nuclear & Atomic Physics Department, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai - 400005; Res. 607, Bhaskara Building, TIFR Housing Complex, TIFR, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai - 400005; Tel. (022) 22782238(O), 22804976(R), 09967650832(M); Fax : 22804610/11; Email : indra@tifr.res.in; indramazumdar@gmail.com; Sp. Experimental Nuclear Physics/Nuclear Instrumentation/Phenomenological Calculations.

2013 MAZUMDAR, Shyamalava (b. 1961) PhD, Senior Professor, Department of Chemical Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai - 400005; Res. 505 Bhaskara, TIFR Housing Complex, Homi Bhabha Road, Mumbai - 400005; Tel. (022) 22782363(O), 22804575(R), 09769437303(M); Fax: 22804610; Email: shyamal@tifr.res.in; Sp. Inorganic Chemistry/Biophysical Chemistry/ Biochemistry.

MEDDA, Ajit Kumar (b. 1929) D.Phil., Formerly Professor of Animal Physiology, Bose Institute, Kolkata; Res. 21/C, Birpara Lane, Kolkata -700 030; Tel. 09830695739(M); Sp. Comparative Endocrinology/Animal Physiology.

MEHER-HOMJI, Vispy Minocher (b. 1932) PhD, D.Sc., FNA, FASc, Formerly Research Director, French Institute, Pondicherry; Formerly Hon. Dean, School of Ecology, Pondicherry University; Res. 20 D, Sagar Sangeet, 58,Colaba Road,Mumbai-400005; Tel. (022) 22150120(R); Sp. Ecology/ Plant Geography/ Bioclimatology.

- 2011 MEHRA, Anurag (b. 1959) PhD,FNAE, Professor, Chemical Engineering Dept., IIT Bombay, Powai, Mumbai 400076; Res. Bungalow A7,IIT Bombay Campus, Powai, Mumbai 400076; Tel. (022) 25767217(O), 25768217(R); Fax: 25723480; Email: mehra@iitb.ac.in; Sp. Multiphase Reaction Engineering/ Surface & Colloidal Systems/Nanomaterials.
- 2023 MEHRA, Mani (b. 1979) PhD, Professor, Department of Mathematics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016; Res. Vikramshila 37, IIT Delhi Campus, Hauz Khas, New Delhi - 110016; Tel. (011) 26591487(O), 26596847(R), 09582153117(M); Email : mmehra@maths. iitd.ac.in; Sp. Wavelet Methods for PDEs/Numerical Methods/Numerical Analysis/Scientific Computing.
- MEHRA, Narinder Kumar (b. 1949) PhD, FNA, FTWAS, Hon Emeritus Scientist, ICMR& Dr.CG Pandit National Chair, Former Dean (Res.), Former Professor & Head, Dept. of Transplant Immunology & Immunogenetics, AIIMS, New Delhi; Res. A563E, Sushant Lok I, Gurgaon 122001; Tel. 09899087445 (M); Email : narin.mehra@gmail. com; Sp. Transplant Immunology/Immunogenetics/Stem Cell Biology /HLA.
- MEHROTRA, K.N. (b. 1931) PhD, Former Professor, Chemistry Dept., Banaras Hindu University, Varanasi-221 005; Res. New G/4, Nizam Colony, Banaras Hindu University, Varanasi-221 005; Sp. Organic Chemistry.
- 2001 MEHROTRA, Purshottam Kishore (b. 1944) PhD,D.Sc., Formerly Deputy Director, Division of Endocrinology, CDRI, Lucknow; Res. C-37, Sector-A, Aliganj Housing Scheme, Near Kapoorthala Complex,Lucknow-226024;Tel.(0522) 2324303(R), 09415796495(M); Email: purshottam123@rediffmail. com; Sp. Mammalian Reproduction/Early embryonic development in female/Cell Culture/Molecular Biology.
- MEHROTRA, Radhey Shyam (b. 1937) PhD, FBS, FPSI, Formerly Professor of Botany, Kurukshetra University, Kurukshetra; Res. House No. 263, Sector-7, Urban Estate, Kurukshetra - 136118; Tel. (01744) 222263(R), 09896208063 (M); Sp. Mycology/ Plant Pathology/Soil Microbiology.
- MEHROTRA, Suresh Chandra (b.1951) PhD(Austin), FIETE, Formerly Professor, Former Ramanujan Chair Professor, Department of Computer Science & Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431004; Res. A3, Shrirang Park, Vedant Nagar, Aurangabad-431005; Tel. 09890647432(M); Fax: 2403317; Email: mehrotra.suresh15j@gmail.com; Sp. Time Domain Dielectric Spectroscopy/Microwaves/Geo Spatial Technology.

2003 MEHROTRA, Surya Pratap (b. 1947) PhD, FNAE, FIIM, FIE, FIIME, Professor-in-Charge External Relations, Indian Institute of Technology Gandhinagar, Palaj, Gandhinagar - 382355; Formerly Director, NML, Jamshedpur; Res. Block 1, Apartment 102, Housing Complex, IIT Gandhinagar, Palaj, Gandhinagar – 382355; Tel. (079) 23952503, 09998023817(M); Email: spmehrotra@gmail.com; spm@iitgn.ac.in; Sp. Process Metallurgy/ Mathematical Modeling & Simulation/Process Development and Control/Mineral Processing.

Council: Mem. 2008-09

MEHTA, Girijesh Kumar (b. 1936) PhD, Former Director, Nuclear Science Center & Vice-Chancellor, Allahabad University; Chairman, NIT, Bhopal & Hon. Emeritus Scientist Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi-110067; Res. 492 Sapna Ghar CGHS, Whispering Greens, Plot 6-B, Sector 11, Dwarkam, New Delhi – 110075; Tel. (011) 28032871(R), 09968276034(M); Email: girijeshmehta@gmail.com; Sp. Nuclear Physics & Accelerator Based Materials Science and Applications.

Council: Mem. 2002-04

MEHTA, Goverdhan (b. 1943) PhD, DSc(hc), FNA, FASc, FTWAS, FRS, University Distinguished Professor & Dr. Kallam Anji Reddy Chair, School of Chemistry, University of Hyderabad, Hyderabad - 500046; Res. A-45, South Campus, University of Hyderabad-500046; Tel. (040) 23134848, Telefax : 23010785(O), 23136145(R); Email : gmsc@uohyd.ernet.in; gmehta43@gmail.com; gm@orgchem.iisc.ernet.in, Sp. Organic Chemistry.

2013 **MEHTA, Neelesh B.** (b. 1975) PhD,FIEEE,FNAE,FNA, Professor, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore - 560012; Res. NE 202, New Housing Colony, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22933174(O), 23609469(R), 09972592147 (M); Fax: 23600563; Email: neeleshbmehta@gmail.com; Sp. **Wireless Communications.** 

2001 MEHTA, Veer Singh (b.1949) MBBS,MS,MCh,FNAMS,SCWF, FWANS,Director (Neurosciences), Paras Hospital, C-1, Sushant Lok, Phase 1, Sector - 43, Gurgaon - 122002; Res. B-1, Grand Mansion Rosewood City-1, Sector-49, Gurgaon-122001;Tel. (124) 4585555(O), 4364585(R), 09312609366(M); Fax: 4585604; Email:mehta\_vs@rediffmail.com; Sp. Neuro-surgery.

MELOTH, Thamban (b. 1970) PhD, Director, National Centre for Polar and Ocean Research, Headland Sada, Vasco da Gama, Goa - 403804; Res. D-3/1 Anand Residency, Airport Road, Chicalim, Goa - 403711; Tel. (0832) 2525501(O), 09765889305, 09423889305(M); Email: meloth@ncpor.res.in; tmeloth@gmail.com; Sp. Cryospheric Studies/Palaeoclimatology/Polar Studies.

MENON, Gautam Iqbal (b. 1966) PhD, Professor, Department of Physics, Ashoka University, Sonepat, Haryana - 131029; Res. A3 Shanti Minar, AH54 8th Main Road, Annanagar, Chennai - 600040; Tel. (0130) 2300807(O), 09444032134(M); Email: gautam.menon@ashoka.edu.in; Sp. Biophysics/Condensed Matter Physics/Computational Biology.

MICHAEL, Royappa George (b. 1935) DPhil, BD, Former Professor & Pro-Vice-Chancellor, North Eastern Hill University, Shillong; Res. H 25, Sector III, Malligainagar, Anaiyur, H.B. Colony, Madurai - 625017; Sp. Limnology/Freshwater Fisheries. Council: Mem. 81

2004 MISHRA, Ashok Kumar (b. 1959) PhD, Professor, Department of Chemistry, Indian Institute of Technology Madras, Chennai - 600036; Res. C2-1-8, III Loop Road, IIT Madras, Chennai - 600036; Tel. (044) 22574207(O), 22576207(R); Fax:22574202; Email: mishra@iitm.ac.in; Sp. Fluorescence Spectroscopy/Physical Photochemistry.

MISHRÁ, Gyan Chandra (b.1947) PhD, FNA, FASc, NASI-Platinum Jubilee Chair Distinguished Professor, National Centre for Cell Science, Ganeshkhind, NCCS Complex, Pune-411007; Res. A5/4, Subhashri Woods, Row Houses, Shiwar Chowk, Pimple Saudagar, Pune - 411027; Tel.(020) 25708283(O), 29994410 (R), 09422522705(M); Fax: 25692259; Email: gcmishra@nccs. res.in; Sp. Cell Biology/ Immunology.

Council: Mem. 2001-04, 2018-19

2001 MISHRA, Kaushala Prasad (b. 1946) PhD, FMASc, FIAPSc, Formerly Vice-Chancellor, Nehru Gram Bharati University, Prayagraj; Former Scientific Officer 'H+' and Head, RB&HSD, BARC, Mumbai; Res. 504, Neelyog Residency CHS Ltd, K-1 Pant Nagar, Ghatkopar (East), Mumbai – 400075; Tel. 09320466999, 09838737787(M); Email: mishra\_kaushala@rediffmail.com; mishradrkp@gmail.com; Sp.Radiation Biology/Cancer Biology/Free Radical Research/Biophysics.

MISHRA, Manoj Kumar (b. 1952) PhD, FASc, Former Vice-Chancellor, Birla Institute of Technology, Mesra, Ranchi - 835215; Former Institute Chair Professor, Department of Chemistry, Indian Institute of Technology Bombay, Mumbai; Formerly Vice-Chancellor, University of Lucknow, Lucknow; Tel. (0651) 2275402 Ext. 4402(O); Fax: 2275401; Email: mmishra@bitmesra.ac.in; mmishraiitb@gmaillcom; Sp. Physical/Theoretical Chemistry.

Council: Mem. 2011-12

MISHRA, Manoranjan (b. 1975) PhD, Professor, Department of Mathematics, IIT Ropar, Rupnagar - 140001, Punjab; Res. Flat # E-701, Palm Village, Sector 126, Kharar, Mohali - 140301, Punjab; Tel. (01881) 242158(O), 09501705522(M); Email: manoranjan@iitrpr.ac.in; Sp. Applied Mathematics.

2017 MISHRA, Om Prakash (b. 1966) PhD, DSc, FIGU, PGDM (Finance), Scientist G/Advisor/Head (SAGE) & Director, National Centre for Seismology, Ministry of Earth Sciences, Prithvi Bhawan, IMD Campus, Lodhi Road, New Delhi - 110003; Tel. (011) 24669549, 24622511, 43824405(O), 09433424810 (M); Fax: 24616309; Email: opmishra2010.saarc@gmail.com; omp.mishra@nic.n.; Sp. Applied Geophysics/Seismology/

Disaster Risk Management Science.

2010 MISHRA, Phool Chand (b. 1946) PhD, Formerly NASI Senior Scientist, Department of Physics, Banaras Hindu University, Varanasi - 221005; Res. B-27, Brij Enclave, Sunderpur, Varanasi - 221005; Tel. (0542) 2307308, 6701571(O), 09936017654, 09415812325(M); Fax: 2368174; Email: pcmishra\_in@yahoo. com; pcmishra@bhu.ac.in; pcmishrag@gmail.com; Sp. Molecular Spectroscopy/Electronic Structure Theory/Biomolecular Properties and Reactions.

MISHRA, Prabhat Ranjan (b. 1970) PhD, Senior Principal Scientist & Head (Professor; ACSIR), Pharmaceutics & Pharmacokinetics Division, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Extn., Lucknow - 226031; Res. Villa No. 846 Eldeco City, IIM Road, Lucknow - 226024; Tel. (0522) 2772450 Extn. 4537(O), 4240697(R), 09415753171(M); Email: prabhat\_mishra @cdri.res.in; mishrapr@hotmail.com; Sp. Molecular/Nanomedicine/Pharmacology/Targeted Drug Delivery Systems.

- 2013 MISHRA, Rakesh Kumar (b. 1961) PhD, FNA, FASc, Former Director, CSIR-Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500007; Res. 2-17-3/E, Pl.No. 95/A, Dharmapuri Colony, Uppal, Hyderabad 500039; Tel. (040) 27192658, 27160031(O), 09441902188(M); Fax: 27160591; Email: mishra@ccmb.res.in; Sp. Molecular Genetics/Genomics/Epigenetics.
- 1980 **MISHRA**, R.R. PhD, Formerly Professor of Botany; Res. 32, Kavalyadham Colony, P.O. Lanka, Varanasi 221005;
- MISHRA, Sanak (b. 1945) MS, PhD(Illinois), FNAScI, FNAE, FCSI, FIIM, FIE, FAIMA, FDMA, FIOD, AvHF(Germany), Former Vice President & Chief Executive Officer, Arcelor Mittal India Limited, New Delhi; Res. Flat No. F-1401, Nine Hills Society, NIBM Road Extension, Mohammadwadi, Pune 411060; Tel. 09810956664(M); Email: mishra.sanak@gmail.com; Sp. Metallurgy/Material Science & Engineering.
- 2014 MISHRA, Sukumar (b. 1970) PhD, FNAE, FIETE, FIE, FIET, ABB Chair Professor, Department of Electrical Engineering, Indian Institute of Technology Delhi, New Delhi 110016; Res. 30 Vikramshila Apt., IIT Campus, Hauz Khas, New Delhi 110016; Tel. (011) 26591074(O), 26596908(R), 09810429715(M); Fax: 26581606; Email: sukumar@ee.iitd.ac.in; sukumariitdelhi@gmail.com; Sp. Renewable Energy/Power System/Smart Grid.
- 2018 MISHRA, Suman Kumari (b. 1964), PhD, Director, CSIR-Central Glass & Ceramic Research Institute (CGCRI), 196, Raja SC Mullick Road, Kolkata 700032; Tel. (033) 24735829, 24839241, 23223001, 23223380(O), 09801341664(M); Email: dir\_office@cgcri.res.in; director@cgcri.res.in; suman.nml@gmail.com; Sp. Materials Science Processing/Hard Coating/Protective Coatings/Energy Materials/High Temperature Materials.
- MISHRA, Umesh Chandra (b. 1938) PhD, FMASc, FEEIU, Formerly Director, Health, Safety & Environment Group, BARC, Mumbai; Res. A-402, Govind Complex, Sector 14, Vashi, Navi Mumbai-400703; Tel. (022) 27656504(R) 09322259072(M); Email: uc.mishra@gmail.com; Sp. Environmental Sciences/R & D Management/Radiation Protection.
- MISHRA, Vimal (b. 1979) PhD, FAGU, FIMS, Vikram Sarabhai Chair Professor, Civil Engineering and Earth Sciences, Indian Institute of Technology Gandhinagar, Palaj, Gandhinagar 382355; Res. Faculty Residence, Apt.24/102, IIT Gandhinagar, Palaj, Gandhinagar 382355; Tel. (078) 23952436(O), 23951436(R), 09687944337 (M); Email: vmishra@iitgn.ac.in; Sp. Hydrology/Water Resources/Climate Change.

MISRA, Anuradha (b. 1961) PhD, Professor & Head, Department of Physics, University of Mumbai, Santa Cruz (E), Mumbai - 98; Res. Bungalow No. A15, Hillside, IIT Bombay, Powai, Mumbai -76; Tel. (022) 26526250(O), 25768582(R), 09867016176(M); Fax : 26522222; Email : misra@physics.mu.ac.in; Sp. Theoretical High Energy Physics.

MISRA, Ashok (b. 1947) PhD, FNAE, NASI-Platinum Jubilee Chair Distinguished Professor at Indian Institute of Science, Bangalore; Adjunct Faculty, University of Massachusetts; Former Director, IIT Bombay & Chairman, Intellectual Ventures India; Res. 68, Adarsh Vista, Basavanagar, Bangalore-560037; Tel. (080) 22933521(O), 42037779(R), 07019343300(M); Email: ashokmisra47@gmail.com; Sp. Polymer Science & Engineering.

Council: Pres.2007-08 P.Pres. 2009-10 V.P. 2005-06 Mem. 2003-04

MISRA, Baidyanath (b. 1937) M.Sc., Dr.es.Sc.(Geneva), Formerly
Visiting Scientist, S.C.&S.S., JNU; Res. F-2560 Palam Vihar,
Gurgaon - 122017; Email: baidyanathmisra@yahoo.co.in;

2012 MISRA, Gadadhar (b. 1956) PhD, FASc, FNA, Professor, Mathematics Dept., Indian Institute of Science, Bangalore - 560012; Res. 508/509, Block-II, RMV Clusters (Phase II), RMV Extn., II Stage, Bangalore - 560009; Tel. (080) 22932712(O), 23412348(R), 09449817021(M); Fax: 23600146; Email: gm@iisc.ac.in; Sp. Operator Theory/Operator Spaces.

2016 MISRA, Hari Sharan (b. 1962) PhD, Fulbright Scholar, Professor, Homi Bhabha National Institute & Head, Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai - 400085; Res. 4E, Udayagiri, Anushaktinagar, Mumbai - 400094; Tel.(022) 25593821(D), 25592694(O), 25503008, 25512579(R), 09920458791(M); Fax: 25505326; Email: hsmisra@barc.gov. in; harimisra38@gmail.com; Sp. Cellular and Molecular Responses to Stress/Genome Biology/Molecular Biochemistry.

MISRA, Jagadis Chandra (b. 1944) PhD, DSc, FNAE, FIMA(UK), FIThP, FRSM(London), FIET(UK), FRSB(London), Adjunct Professor, Indian Institute of Engineering Science & Technology, Shibpur, Howrah - 711103; Res. Qrs.No. B-74, IIT Kharagpur Campus, Kharagpur-721302; Tel. (03222) 282339(R), 08373843896(M); Email: misrajc@gmail.com; Sp. Applied Mathematics/ Mathematical Modeling/Bio-Microfluidics/Physiological Fluid Dynamics.

MISRA, Krishna (b. 1938) PhD, FBRSI, FBIDDS, Honorary Professor, Department of Applied Sciences, Indian Institute of Information Technology, Devghat, Jhalwa, Prayagraj- 211012; Chairperson, Technical Advisory Committee of STEMM Programm of DST, New Delhi; Chief Advisor, India Pesticides Limited, Lucknow, Formerly NASI Honorary Scientist, Senior Scientist & General Secretary (HQ); Res. 3D, Maple Leaves Residency, 40/41 Minto Road, Prayagraj - 211002; Tel. 09415247579, 07388680688(M); Email: krishnamisra4@gmail. com; kmisra@iiita.ac.in; Sp. Chemistry/Molecular Biology/Medical Biotechnology.

Council: G.S. 2009-13

2016 MISRA, Sanjeev (b. 1965) MS, MCh, FRCS(England), FRCS (Glasgow), FAMS, FACS, FICS, DSc(hc), Vice Chancellor, Atal Bihari Vajpayee Medical University, UP, Lucknow; Res. 122, Faizabad Road, Near Samthar Petrol Pump, Lucknow - 226007; Tel. (0522) 7118727(O), 2324656(R), 09919140407(M); Email: misralko@gmail.com; Sp. Basic and Clinical Medical Sciences/Surgical Oncology.

MISRA, Sheo Gopal (b. 1931) D.Phil., General Secretary, Vijnana Parishad, Prayagraj; Formerly Director, Sheila Dhar Institute of Soil Science, Allahabad University, Prayagraj - 211002; Res. 25, Ashok Nagar, Prayagraj-211001; Tel. (0532) 2460001(O), 2420683(R); Email: vijnanaparishad\_prayag@rediffmail.com; Website: www.webvigyan.com; Sp. Soil Science/Agricultural Chemistry.

MISRA, Sri Prakash (b. 1957) MD, DM, FRCP (London), FRCP (Edin.), FICP, FACG, Professor of Hepatology, Department of Gastroenterology & Hepatology, MLN Medical College, Prayagraj - 211 001; Res. IV/411, MLN Medical College Campus, Prayagraj - 211001; Tel. (0532) 2256878, 2256274(O), 2256087, 2256090(R), 09415214307(M); Fax: 2256274; Email: misrasp@rediffmail.com, sriprakashmisra@yahoo.co.in, drspmisra@gmail.com; Sp. Gastroenterology/Endoscopy/Liver Diseases.

Council: Mem. 2000-2002

2017 MISRA, Sudip (b. 1977) PhD, FIEEE, FNAE, FIET, FIETE, FBCS, FRSPH, ACM DM, Professor & INAE Abdul Kalam Technology Innovation National Fellow, Department of Computer Science & Engineering, IIT Kharagpur, Kharagpur - 721302; Res. Qrs.No.B-74, IIT Campus, Kharagpur - 721302; Tel. (03222) 282338(O), 282339(R), 09474174155(M); Fax: 255303; Email: sudipm@iitkgp.ac.in; sudip\_misra@yahoo.com; Sp. Internet of Things/Wireless Sensor Networks.

MISRA, Usha Kant (b. 1952) MBBS, MD, DM, FAMS, FRCPEdin, FNA, FASc, Professor & Head, Department of Neurology, Sanjay Gandhi PG Institute of Medical Sciences, Raibarely Road, Lucknow - 226014; Res. 10-B,Madan Mohan Malviya Marg, Lucknow; Tel. (0522) 2494167, 2494169(O), 2205931(R) 09450453685 (M); Fax : 2668811; Email : drukmisra@rediffmail.com; ukmisra@sgpgi.ac.in; drukmisra@gmail.com; Sp.Clinical Neurology/Neurophysiology/Tropical Neurology.

MITRA, Asoke Nath (b. 1929) PhD(Delhi & Cornell), FNA, FASc, FTWAS, Formerly INSA Albert Einstein Research Professor, Physics & Astrophysics Dept., University of Delhi, Delhi; Res. 244, Tagore Park, Delhi-110 009; Tel. (011) 27446153(O), 27444731(R); Fax: 27667336 (DU); Email: anmitraph@gmail.com; anmitra@physics.du.ac.in; Sp. Nuclei/Particles & Fields.

2007 MITRA, Debashis, (b. 1960) PhD, FNA, FASc, Professor of Eminence & JC Bose National Fellow, National Centre for Cell Science, Pune SP Pune University Campus, Pune - 411007; Res. 35 Freedom Park, Vishal Nagar, Pimple Nilakh, Pune -411027; Tel. (020) 25708151(O), 09823059841(M); Email: dmitra@nccs.res.in; Sp. Microbiology/Virology/Immunology.

2001 MITRA, Parthasarathi (b. 1951) PhD, FNA, Formerly Professor at Saha Institute of Nuclear Physics; Res. 6 Panditia Terrace, Kolkata - 700029; Tel. Email: parthasinp@gmail.com; Sp. Theoretical Physics (Field Theory).

MITRA, Rahul (b. 1966) PhD,FNAE, Professor (HAG), Metallurgical & Materials Engineering Department, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. Qr.No.A108, Block 4, Gurukul Complex, IIT Campus, Kharagpur - 721302; Tel. (03222) 283292(O), 283293(R), 09434034270(M); Fax: 282280; Email: rahul@metal.iitkgp.ac.in; rahulmitra1966@gmail.com; Sp. Alloys, Intermetallics and Ceramic Composites for High Temperature Applications/Mechanical Behavior of Materials/ Materials Characterization.

MITRA, Samaresh (b. 1940) D.Phil., FNA, FASc, INSA Senior Scientist, Indian Institute of Chemical Biology, Jadavpur, Kolkata- 700032; Formerly Senior Professor, TIFR, Mumbai; Res. Panchami 508, Udita, 1050/1, Survey Park, Kolkata - 700075; Tel. (033) 24995866(O), 24188209(R), 09831273257 (M); Fax : 24735197; Email: mitrasamaresh@yahoo.com, samaresh.mitra@gmail.com; Sp. Biological & Bioinorganic Chemistry/Magnetochemistry.

2008 MITRA, Sushmita (b.1962) PhD, FIEEE, FIAPR, FNAE, FNA, FTWAS, FAAIA, Professor HAG, Machine Intelligence Unit, Indian Statistical Institute, Kolkata - 700108; Res. AE 590, Salt Lake, Sector I, Kolkata - 700064; Tel. (033) 25753102(O); Fax: 25783357; Email: sushmita@isical.ac.in; Sp. Machine Learning/Data Science/Medical Imaging.

MITTAL, Jai Pal (b.1940) PhD(Notre Dame,USA), FNA, FASc, FTWAS, Former MN Saha Distinguished Professor, NASI; Bhabha Atomic Research Centre, A-616 Central Complex, Trombay, Mumbai - 400085; Distinguished Guest Professor, Indian Institute of Technology Bombay and Distinguished Professor, National Centre for Free Radical Research, University of Pune, Pune; Ex DAE Raja Ramanna Fellow, Ex Director, Chemistry and Isotope Group, BARC, Mumbai; Res. 11-B, Rohini Coop. Hsg. Soc., Sector 9-A, Vashi, Navi Mumbai-400703; Tel. (022) 25595245(O), 27664822, 27661035(R), 09869992912(M); Fax: 25505151; Email: mittaljp2003@yahoo. co.in; mittaljp@barc.gov.in; Sp. Radiation & Photochemistry/Chemical Dynamics/ Laser Chemistry.

Award: Prof. NR Dhar Mem. Lec.Award - Nat.Acad.Sci.India (2001). Council: Pres. 2003-04 P.Pres. 2005-08 F.S. 99-2000 Mem. 94-98, 2002

2012 MITTAL, Sanjay (b. 1968) PhD,FNA,FASc,FNAE, Professor of Aerospace Engg. & Head, National Wind Tunnel Facility (NWTF), Indian Institute of Technology Kanpur, Kanpur -208016; Res. H.No. 635, IIT Kanpur, Kanpur - 208016; Tel. (0512) 2597906(O), 2598702(R); Fax : 2597561; Email : smittal@iitk.ac.in; Sp. Fluid Dynamics/High Performance Computing.

MITTAL, V. (b. 1924) PhD, Formerly Professor & Head, Department of Mathematics, Madhav Institute of Technology and Science, Gwalior; Res. 9, Shri Ram Colony, Jhansi Road, Gwalior-474002; Tel. (0751) 2321717(R); Sp. Fluid Dynamics/ Graph Theory.

2013 MODAK, Jayant Moreshwar (b. 1962) PhD,FNAE, Professor, Department of Chemical Engineering, Indian Institute of Science, Bangalore - 560012; Res. 1171 BEL Layout, IInd Block, Vidyaranyapura, Bangalore - 560012; Tel. (080) 22933108(O), 09980874620(M); Fax : 23608121; Email : modak@iisc.ac.in; Sp. Chemical Reaction Engineering/Bioprocess Engineering/Systems Biology.

Council: Mem. 2017-18

2020 MODI, Deepak N. (b. 1973) PhD, Scientist F & Head, Molecular & Cellular Biology Laboratory, ICMR-National Institute for Research in Reproductive Health, JM Street, Parel, Mumbai - 400012; Res. D6, ICMR Staff Quarters, RG Thadani Marg, Worli, Mumbai-400012; Tel. (022) 24192034(O), 09987176249 (M); Email: deepaknmodi@yahoo.com; modid@nirrh.res.in; Sp. Reproductive Biology/Developmental Biology/Genetics.

2005 MOHAN, Anand (b. 1957) PhD, FASc, Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra - 282110; Res. 3/164, Prem Nagar, Dayalbagh, Agra - 282005; Tel. (0562) 2570372 (O), 09336907431, 07060520949(M); Fax: 2801226; Email: registrar.dei@gmail.com; anand.abhu@gmail.com; Sp. Metamorphic Petrology/Mineralogy/Consciousness Studies/Disaster Management & Mitigation.

- 2022 MOHAN, Manju (b. 1959) PhD, Professor & Former Head, Centre for Atmospheric Sciences, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016; Res. 56 Vikramshila Apartments, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016; Tel. (011) 26591313(O), 26581307(R), 09818492453(M); Email : mmanju@iitd.ac.in; mmohan66@gmail.com; Sp. Urban Climate/Air Quality Modelling/Extreme Weather.
- 2000 MOHAN, Ratnakaram Nava (b. 1942) PhD,DSc,LLB, Formerly Professor & Head of Mathematics, Director, SCRRIIM, Eluru; Res. 58-11-9(A), Sri Nilayam, Poornadas Street, Santapet, Ongole 523001, AP; Tel. (08592) 281855(R), 09492320885 (M); Email: mohan420914@gmail.com; nmratnakaram@yahoo.com; Sp. Combinatorics/Coding Theory/Matrices/International Education.
- MOHAN, V. (b.1954) MD, PhD, DSc, DSc(hc), FAMS, FRCP, FASc, FNA, FTWAS, MACP, FACE FRSE, Chairman, Dr. Mohan's Diabetes Specialites Centre & Madras Diabetes Research Foundation, No. 6, Conran Smith Road, Gopalapuram, Chennai-600086; Res. "Sai Anugraha". 6B, Arch Bishop Mathias Avenue RA Puram, Chennai 600028; Tel. (044) 43968888(O), Email: drmohans@diabetes.ind.in; Sp. Diabetology/Epidemiology/Genomics.

2008 MOHANAKUMAR, Kochupurackal P. (b.1955) PhD, FAScT, FIAN, Director, Inter University Centre for Biomedical Research & Super Speciality Hospital (Govt. of Kerala), Mahatma Gandhi University Campus at Thalappady, Rubber Board PO, Kottayam- 686009, Kerala; Res. Kochupurackal Madom, Manna Meadows-Villa 3, Peroor PO, Ettumanoor, Kottayam, Kerala 686637; Tel. 09433128766, 07356763041(M); Email: iucbr@mgu.ac.in; kpmohanakumar@yahoo.com; Sp. Molecular Neurobiology of Neurodegenerative diseases of the elderly and Neurodevelopmental diseases.

MOHANAN, Parayanthala Valappil (b. 1962) PhD, Scientist G, Head, Toxicology Division, BMT Wing, Sree Chitra Tirunal Institute for Medical Sciences & Tech., Thiruvananthapuram - 695012, Kerala; Res. 4M, Sowparnika City Crown, Near New Quarters, Melarannor, Karamana PO, Thiruvananthapuram - 695002, Kerala; Tel. (0471) 2520266(O), 2344702(R), 09446542702(M); Fax: 2341814; Email: mohanpv10@gmail. com; mohanpv@sctimst.ac.in; Sp. Toxicology/Medical Device /Nanotoxicology.

MOHAN RAO, Chintalagiri, (b. 1954) PhD, FTWAS, FNA, FASc, FAPSc, Distinguished Scientist & JC Bose National Fellow, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad - 500007; Res. Plot # 71, House No. 17-5/3, Dharmapuri Colony, Uppal, Hyderabad - 500039; Tel. (040) 27195630(O), 27203931(R), 09494410077(M);; Fax: 27195633; Email: mohan.ccmb@gmail.com, mohan@ccmb.res.in; Sp. Biophysical Chemistry/ Molecular Biology/Diagnostics & Nanobiology.

Council: Mem. 2024-

2022 MOHANTA, Rukmani (b. 1967) PhD, Professor, School of Physics, University of Hyderabad, Prof. CR Rao Road, Gachibowli, Hyderabad - 500046; Res. 204, Westend Apartments, Masjid Banda, Kondapur, Hyderabad - 500084; Tel. (040) 23134383(O), 09440820825(M); Fax: 23010227; Email: rmsp@uohyd.ac.in; Sp. Theoretical High Energy Physics.

2020 MOHANTY, Ajit Kumar (b. 1959) PhD, DŠc(hc), Director, Bhabha Atomic Research Centre, Mumbai - 400085; Res. 10B, Zerlina, Malabar Hill, Mumbai - 400006; Tel. (022) 25505300(O), 23610298(R); Fax: 25592107; Email: ajitkm@barc.gov.in; Sp. Nuclear Physics (Heavy Ion Collisions).

2017 MOHANTY, Bedangadas (b. 1973) PhD,FNA,FASc, FAPS,JC Bose Fellow, National Institute of Science Education & Research, Jatni - 752050, Odisha; Res. E-40, National Institute of Science Education & Research, Jatni - 752050, Odisha; Tel. (0674) 2494531(O), 08895584872(M); Email : bedanga@niser.ac.in; bedanga@gmail.com; Sp. Experimental High Energy Physics/Phenomenology of Quark Gluon Plasma/Dark Matter Search.

2008 MOHANTY, Debasisa (b. 1966) PhD, FNA, FASc, Staff Scientist V, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Res. Apt. No. A6, N.I.I. Campus, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26703749(O), 26741168(R), 09818747627(M); Fax: 26742125; Email: deb@nii.res.in; Sp. Bioinformatics/Biophysics/Structural and Computational Biology.

2014 MOHANTY, Jyotirmayee (b. 1971) PhD, Scientific Officer (G), Radiation & Photochemistry Division, Mod. Lab., Bhabha Atomic Research Centre, Trombay, Mumbai - 400085; Res. C-8, Sarang, Anushakti Nagar, Mumbai - 400094; Tel. (022) 25593771(O), 25527028(R), 09969112314(M); Fax: 25505331; Email: jyotim@barc.gov.in; jyotirmayee3@rediffmail.com; Sp. Molecular Photochemistry/Time-resolved Fluorescence Spectroscopy/Supramolecular Chemistry.

- 1996 **MOHANTY, Omkar Nath,** Former Vice-Chancellor, BPUT, Orissa, CET Campus, Ghatikia, Near Khandagiri, Bhubaneswar 751003;
- 2012 MOHANTY, Ranjan Kumar (b. 1961) PhD, Professor, Department of Applied Mathematics, Faculty of Mathematics and Computer Science, South Asian University, Rajpur Road, Maidan Garhi, New Delhi 110068; Res. B-502, Happy Home Apartments, Plot-12A, Sector-07, Dwarka, New Delhi 110075; Tel. (011) 42754023(R), 09811526705(M); Email: mohantyranjankumar@gmail.com; rmohanty@sau.ac.in; Sp. Applied Mathematics/Numerical Analysis/Differential Equations/Computational Fluid Dynamics.
- 2021 MOHANTY, Subhendra (b. 1960) PhD, Honorary Senior Professor, Theory Division, Physical Research Laboratory, Ahmedabad -380009; Res. E3 PRL Quarters, Vikramnagar, Bopal Road, Ahmedabad - 380058; Tel. 09926314461, 09909910564(M); Email: mohanty@prl.res.in; Sp. Particle Physics/Cosmology/ Astroparticle Physics.
- 2003 MOHANTÝ, Sureswar (b. 1942) MBBS, MS, MCh, FAMS, FAIS, FACS, Formerly Director & Professor of NeuroSurgery, IMS, BHU; Res. 206, Duplex, Manorama Estate, Rasulgarh, Bhubaneswar 751010; Email: sureswar.mohanty@gmail.com; Sp.Head Injury/Brain Tumour/Brain Edema/ Neuro Sci.
- MOHANTY, Uma Charan (b.1948) PhD, FNA, FASc, FNAE, FIMS, FIGU, School of Earth, Ocean and Climate Sciences, Indian Institute of Technology Bhubaneswar, Argul, Jatni PO, Khurda 752050; Res. Plot No. 1579/2558, Lane No. 4, Bhkta Madhu Nagar, Jagamara, Khandagiri, Bhubaneswar 751030; Tel. (0674) 7135524(O),2352164,08763862775, 09868957957(M); Email: ucmohanty@iitbbs.ac.in; ucmohanty@gmail.com; Sp. Numerical Weather Prediction/Monsoon Dynamics/Climate Modelling/Climate Change Studies/Tropical Meteorology/Mesoscale Modelling System.
- 2015 MOHAPATRA, Prasanta Kumar (b. 1964) PhD, Head, Actinide Chemistry Section, Radio Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400085; Res. 3-C, Dhavalgiri, Anushakti Nagar, Mumbai 400094; Tel. (022) 25594576(O), 25527911(R); Fax : 25505151; Email : mpatra@barc.gov.in; Sp. Inorganic Chemistry/Separation Science/Analytical Chemistry.
- 1987 MOHAPATRA, Rabindra N. (b. 1944) PhD (Rochester), D.Sc.,(h.c.), North Orissa University and APS Fellow, Humboldt Prize Winner 2005, Distinguished University Professor, Dept. of Physics,University of Maryland, College Park, M D -20742; Tel. 301-405-6022(O); Fax: 314-9525; Email: rmohapat@physics. umd.edu; Sp. Particle Theory/Field Theory/Cosmology.

2005 MOHAPATRA, Trilochan (b. 1962) PhD, FNA, FNAAS, Secretary, DARE & Director General, Indian Council of Agricultural Research, Dr. Rajendra Prasad Road, Krishi Bhawan, New Delhi - 110001; Res. A-1, NASC Complex, Dev Prakash Shashtri Marg, New Delhi - 110012; Tel: (011) 23382629, 23386711(O), 25843190(R), 07840000542(M); Fax: 23384773; Email: dg.icar@nic.in; tmnrcpb@gmail.com; Sp. Molecular Plant Breeding and Agricultural Genomics.

2000 MONDAL, Naba Kumar (b. 1951) PhD, FNA, FASc, FTWAS, Raja Ramanna Fellow, Saha Institute of Nuclear Physics, AF Block, Sector 1, Bidhan Nagar, Kolkata - 700064; Tel. (033) 23375345/ 1733(O), 40648539(R), 09987537701(M); Email: naba.mondal @saha.ac.in; nkm@tifr.res.in; Sp. High Energy Physics/

**Neutrino Physics/Particle Detectors.** 

1981 MONDAL, Pronab Kumar (b. 1939) PhD, Doct.Univ.Sc.(Paris), FOSI, President, School of Optics; Formerly Head & Professor of Physics Department, Osmania University, Hyderabad; Res. A-310, Siddam Shetty Towers, Jawahar Nagar, Hyderabad-500020; Tel. (040) 27635406; Email: profmondal@hotmail.com; Sp. Fourier Optics/ Holography/ Image Processing.

2017 MONDAL, Tapan Kumar (b. 1968) PhD,FWBAST,FSAB,FABP, Principal Scientist, National Research Centre on Plant Biotechnology, Lal Bahadur Sastri Building, IARI, New Delhi -110012; Res. House #611, IInd Floor, Krishi Kunj, IARI Campus, New Delhi - 110012; Tel. (011) 25841787(O), 25832485(R), 09958711064(M); Email: mondaltk@yahoo.com; mondaltk@rediffmail.com; Sp. Abiotic Stress of Plant/ Molecular Biology of Rice and Tea/ Wild Species of Plant.

2010 MOURYA, Devendra Tarachand (b. 1956) PhD, FNAAM, FISV, Director & Scientist, National Institute of Virology, Pune -411001; Res. Crest Avenue, Wing-B, Flat # 201, Survey #, 52/3/1/6/7/8, Baner Sus Road, Pune - 411045; Tel. (020) 25870603(R), 09822307812(M); 26006201(O), Email dtmourya@gmail.com; dtmourya@hotmail.com; Sp. Medical Entomology/Microbiology/Bio-Containment.

2018 MUDALI, Kamachi Uthandi (b. 1960), PhD, Vice-Chancellor, Homi Bhabha National Institute, DAE; Formerly Vice-Chancellor, VIT Bhopal University; Hon. Professor of Practice, IIT Madras; Res. 43, Sreeniketan, Anushaktinagar, Mumbai – 400094; Tel. (022) 25503385(O). 09969034515, 09443884515(M): vicechandellor@hbni.ac.in; ukmudali1@gmail.com; Sp. Advanced Materials & Coating Development/Corrosion Science & Engineering/Speciality Materials & Chemical Technologies.

MUGESH, Govindasamy (b. 1970) PhD,FASc, FNA, FRSC, 2012 Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore - 560012; Res. NE-25, New Housing Colony, Indian Institute of Science Campus, Bangalore-560012; Tel. (080) 23602566, 22933354(O), 23605888(R), 09448450108(M); Fax: 23602566; Email Bioinorganic mugesh@ipc.iisc.ernet.in; Sp. Chemistry/ Medicinal Chemistry/Chemical Biology.

MUKERJI, Mitali (b. 1967) PhD, Professor & Head, Dept. of Bioscience & Bioengineering, Faculty, School of Artificial Intelligence and Data Science, Indian Institute of Technology Jodhpur, NH 62, Karwar, Rajasthan - 342037; Res. Apt. 5211, Type B, Faculty Residential Complex, IIT Jodhpur, NH62, Nagaur Road, Karwad, Jodhpur–342037, Tel. 09811288052(M); Email: mitali@iitj.ac.in; mitali.igib@gmail.com; Sp. Genomics/Ayurgenomics/Precision Medicine.

2013 MUKHERJEE, Abhijit (b. 1959) PhD,FNAE, Chair Professor & Dean (R&D), Indian Institute of Technology Gandhi Nagar, VGEC Complex, Ahmedabad - 382424; Res. D8, Sopan Heights, Chandkheda, Ahmedabad - 382424; Tel. 08758095500(M); Email : abhi.mukh.india@gmail.com; Sp.

Civil Engineering/Structures/Sustainability.

2006 MUKHERJEE, Debashis (b. 1946) PhD, DSc(hc), FNA, FASc, FTWAS, Distinguished Chair Professor, Centre for Quantum Engineering, Research and Education, TCG Centres for Research and Education in Science & Technology, Kolkata - 700091; Res. Flat 301, Meghdoot Apartments, 24A Central Road, Jadavpur, Kolkata - 700032; Tel. 09331019518(M); Email: pcdemu@gmail.com; debashis.mukherjee@tcgcrest.org; Sp. Theoretical Chemistry/Quantum Science.

2012 MUKHERJEE, Prasun Kumar (b. 1963) PhD, FNA, FNAAS, Scientific Officer H & Head, Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Mumbai – 400085; Res. 4C Annapurna, Anushaktinagar, Mumbai – 400094; Tel. (022) 25590367(O), 09372619063(M); Fax: 25505151; Email: prasunmukherjee1@gmail.com; prasunm@barc.gov.in; Sp. Trichoderma/Fungal Genetics/Secondary Metabolism.

2018 MUKHERJEE, Pulok Kumar (b. 1968), PhD, FRSC(UK), FWAST, Director & Professor, School of Natural Product Studies, Dept.of Pharmaceutical Technology, Jadavpur University, Kolkata - 700032; Res. Suite No 4 I, Natures' Nest, 140 PGH Shah Road, Jadavpur, Kolkata - 700032 Tel. (033) 24146046(O), 24298313(R), 09433013170(M); Fax : 24146046; Email : pulokm@gmail.com; pulok.mukherjee@jadavpuruniversity.in; Sp. Medicinal Plants/Phytochemistry/Pharmaceutical Science.

2003 MUKERJEE, Rahul (b. 1956) PhD, FNA, FASc, National Science Chair, Gol, Indian Institute of Management Calcutta, Joka, Diamond Harbour Road, Kolkata - 700104; Res. Flat 6E, Regent Tower, 121/1 N.S.C. Bose Road, Kolkata - 700040; Tel. (033) 24678300, 24678301(O), 24239712(R), 09231686058(M); Fax: 24678307; Email: rmuk1@hotmail.com; rmuk0902@gmail.com; Sp. Statistics.

Council: Mem. 2007

MUKHERJEE, Rama (b. 1946) PhD, Staff Scientist V, Head, Microbiology Division, National Institute of Immunology, Aruna Asaf Ali Road, New Delhi - 110067; Res. H-1, National Institute of Immunology, Aruna Asaf Ali Road, New Delhi - 110 067; Tel. (011) 26863004-9 Ext.245(O), 2655930(R);Sp. Mycobacterial Immunology.

MUKHERJEE, Saptarshi (b. 1977) PhD, Professor, Department of Chemistry, Indian Institute of Science Education and Research Bhopal, Bhopal Bypass Road, Bhauri, Bhopal - 462066; Res. H.No. D7, Indian Institute of Science Education & Research Bhopal, Bhopal Bypass Road, Bhauri, Bhopal - 462066; Tel. (0755) 2691301(O), 2691757(R), 09179732302(M); Fax : 2692392; Email : saptarshi@iiserb.ac.in; Sp. Physical Chemistry/Ultrafast and Single Molecular Spectroscopy of Luminescent Metal Nanoclusters and Biological Assemblies.

1992 **MUKHERJEE, Shyama Prasad** (b. 1939) PhD, Formerly Centenary Professor of Statistics, Calcutta University; Res. 1/4 Baksara Village Road, Howrah – 711109; Tel. (033) 26580905(R), 09831558126(M); Email: prof.mukherjee@gmail. com; Sp. **Statistics/ Operations Research.** 

Council: Mem. 98, 99

MUKHERJEE, Srabani (b. 1964) PhD, Scientist G, Head, Molecular Endocrinology Dept., ICMR-National Institute for Research in Reproductive and Child Health, Jehangir Merwanji Street, Parel, Mumbai - 400012; Res. Flat No. 2A/24, Kalpataru Estate, JVLR, Next to Majas Depot, Andheri East, Mumbai - 400093; Tel. (022) 24192009(O), 09833113798(M); Fax: 24139412; Email: srabanimuk@yahoo.com; mukherjees@nirrch.res.in; Sp. Reproductive Biology/Epigenetics/Genetics.

MUKHERJEE, Sunil Kumar (b. 1950) PhD, FNA, FASc, Formerly NASI Senior Scientist, Division of Plant Pathology, Indian Agricultural Research Institute, New Delhi – 110012; Res. 7145, B-10, Vasant Kunj, New Delhi- 110070; Tel. 09871995629(M); Email: sunilmukherjee2@hotmail.com; sunilmukherjeeudsc@gmail.com; Sp. Extrachromosomal DNA Replication/RNAi Suppression.

- MUKHERJEE, Tulsi (b. 1948) PhD, FMASc, Former Director, Chemistry Group, BARC & Former Director, Shah-Schulman Center for Surface Science and Nanotechnology, Dharmsinh Desai University, Nadiad; Res. F1/5/6 Gyandeep, Sector 3, Vashi, Navi Mumbai 400703; Tel. 09869410974(M); Email: tulsi.mukherjee@gmail.com; Sp. Physical Chemistry/Radiation Chemistry/Photochemistry/ Laser Chemistry/Ultrafast Spectroscopy/Nanoscience & Nanotechnology/Surface Science.
- 1955 **MUKHERJI, M.K.** PhD, Director (R & D), Bharat Foundation, 25/11/A,K.P.Roy Lane,Kolkata -700031; Res.139, Central Road, Anandpuri, P.O.Nona Chandan Pukur-743 102 Tel. (033) 2421144(O); Sp. **Agricultural Chemistry/Soil Chemistry.**
- MUKHERJI, Soumyo (b. 1967) PhD, FNAE, Professor, Department of Biosciences & Bioengineering, IIT Bombay, Powai, Mumbai 400076; Res. B Type Bldg 24, Flat B-304, IIT Bombay Campus, Powai, Mumbai 400076; Tel. (022) 25767767(O), 25768767 (R), 09969188081(M); Email : soumyo.mukherji@gmail.com; Sp. Biosensors/Bio-Medical Instrumentation/Cardiac Electrophysiology.

MUKHERJI, Suparna (b. 1966) PhD,FNAE, Head, SAIF & CRNTS, Institute Chair Professor, Environmental Science and Engineering Department, IIT Bombay, Powai, Mumbai - 400076; Res. B-Type Bldg. No. 24, Qtr.No. B-304, IIT Bombay Campus, Powai, Mumbai - 400076; Tel. (022) 25767854(O), 25768767(R), 09892977751(M); Email : mitras@iitb.ac.in; mukherji.suparna@gmail.com; Sp. Environmental Engineering/Environmental Science.

MUKHOPADHYAY, Achintya (b. 1968) PhD, Professor, Mechanical Engineering Dept., Jadavpur University, Kolkata - 700032; Res. 11A, Lake East Third Road, Kolkata - 700075; Tel. (033) 24572468(O), 24166935(R), 09830583264(M); Email: achintya. mukhopadhyay@jadavpuruniversity.in; Sp. Mechanical Engineering/Combustion/Thermofluids.

2000 MUKHOPADHYAY, Amitabha (b. 1959) PhD, FNA, FASc, Professor, Kusuma School of Biological Sciences, Indian Institute of Technology, Hauz Khas, New Delhi - 110016; Tel. (011) 26591106(O), 09810887164(M); Email : amitabha@bioschool.iitd.ac.in; Sp. Cell Biology.

MUKHOPADHYAY, Arnab (b. 1972) PhD, FNA, JC Bose Fellow, Staff Scientist VI, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Res. A3, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26703885(O), 26703557, 26741757(R), 09871229286(M); Email: arnab@nii.ac.in; mukhopadhyayarn@gmail.com; Sp. Developmental/Functional/Genetical Aspects.

2018 MUKHOPADHYAY, Asish Kumar (b. 1967), PhD, Scientist G, ICMR-National Institute of Cholera & Enteric Diseases, P-33, CIT Road, Scheme-XM, Beliaghata, Kolkata - 700010; Res. Panchvati Apartment, Block A, Flat 8, VIP Road, Kolkata - 700052; Tel.(033)23633374(O),25735821(R), 09830468362(M); Fax : 23632398; Email : asish1967@gmail.com; Sp. Microbiology/Molecular Biology/Drug Resistance.

2006 MUKHOPADHYAYA, Biswarup (b. 1966) PhD, Associate Professor, Harish-Chandra Research Institute, Chhatnag Road, Jhusi, Prayagraj - 211019; Res. 'Vidisha', HRI Campus, Chhatnag Road, Jhusi, Prayagraj - 211019; Tel. (0532) 2667578, 7509 \*2006(O), \*40006, 2668310(R); Fax: 2667576 Email: biswarup@hri.res.in; Sp. Theoretical High Energy Physics.

2014 MUKHOPADHYAYA, Rabindranath (b. 1951) PhD, Former Professor & Principal Investigator (Virology), ACTREC, TMC, Navi Mumbai; Res. CH-1/33, Kendriya Vihar, Kharghar, Navi Mumbai - 410210; Tel. (022) 27743642(R), 09324297345(M); Email: rmukho.1951@gmail.com; Sp. Virology/Therapeutic Proteins/Viral Vector for Gene Transfer.

MUKHOPADHYAY, Chinmay K. (b. 1965) PhD, Professor, Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi – 110067; Res. D-592, New Housing Complex, Paschimabad, Jawaharlal Nehru University, New Delhi - 110067; Tel. (011) 26741932, 26738738(O), 26742520(R), 09582290296(M); Fax : 26741781; Email : ckm2300@mail.jnu.ac.in; mukhopc@yahoo.com; ckm2300@jnu.ac.in; Sp. Iron Homeostasis/Host-parasite Interaction/Gene Regulation.

MUKHOPADHYAY, Dhrubajyoti (b. 1938) PhD, DIC, FNA, FASc, INSA Honorary Scientist, Raman Centre for Applied and Interdisciplinary Sciences, 16A, Jheel Road, Kolkata - 700075; Res. G-7, MIG Housing Estate, 25/3 Raja Manindra Road, Kolkata - 700037; Tel. 09433092581(M); Email : dhruba\_38@ yahoo.co.uk; Sp. Structural Geology/Precambrian Geology/Metamorphic Petrology.

MUKHOPADHYAY, Nilay Krishna (b. 1962) PhD, FNA, FNAE, FIE, FIIM, FAPAM, FAScT, FEMSI, Professor in Physical Metallurgy, Department of Metallurgical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi - 221005; Res. Flat-A22, GTFRC, Hyderabad Colony, BHU Campus, Varanasi - 221005; Tel. (0542) 2369346, 7165627(O), 2575512 (R), 09839817585(M); Fax: 2368428; Email: mukho.met@itbhu.ac.in; Sp. Structural Metallurgy/Quasicrystals/Nonequilibrium Processing.

2010 MUKHOPADHYAY, Sangita (b. 1966) PhD, FNA, FASc, FTASc, Staff Scientist VII and Group Leader, Laboratory of Molecular Cell Biology, Centre for DNA Fingerprinting & Diagnostics, Inner Ring Road, Uppal, Hyderabad - 500039; Res. C2-206, Indu Aranya Pallavi, Bandlaguda, Nagole, GSI Post, Hyderabad - 500068; Tel. (040) 27216134(O), 09490751094(M); Fax : 27216006; Email : sangita@cdfd.org.in; kashbon@yahoo.com; Sp. Immunology/Tubuculosis (Infection)/Cell Signaling.

1990 MUKUNDA, Narasimhaiengar (b. 1939) PhD, FNA, FASc, FTWAS, Formerly Professor, IISc, Bangalore; Res. 103, 6th Main Road, Malleswaram, Bangalore- 560003; Tel. (080) 23348657(R); Email: nmukunda@gmail.com; Sp.Classical & Quantum Mechanics/Mathematical Physics/Theoretical Optics.

2011 MULHERKAR, Rita (b. 1952) PhD, Director, Samarthakrupa Life Sciences Pvt. Ltd., Pune; Former Scientist H, ACTREC, Navi Mumbai; Res. B813, Athashri, Pancard Club Road, Baner, Pune – 411045; Tel. 0932225645(M) Email: rmulherkar@gmail.com; rita.mulherkar@skls.co.in; Sp. Cancer Biology/Cancer Genomics.

MUNIYAPPA, K. (b. 1952) PhD, FNA, FASc, FTWAS, Dept. of Biochemistry, Indian Institute of Science, Bangalore-560012; Res. No. 8/9, 4th Cross, MLA Layout, RMV II Stage, Boopasandra, Bangalore - 560094; Tel. (080) 22932235, 48666966(R); Fax: 23600814, 23600683; Email: kmbc@iisc.ac.in, kmbc@rediffmail.com; Sp. Molecular Genetics/Cell Biology/Genomics.

MUNJAL, Manohar Lal (b. 1945) PhD, FNA, FASc, FNAE, MEurASc, INSA Honorary Scientist & AICTE Distinguished Chair Professor, Department of Mechanical Engineering, Indian Institute of Science, Bengaluru-560012; Res. Flat No. S1, Skanda Residency, 40-41, 6th Cross, Ashram Colony, Sanjay Nagar, RMV II Stage, 2nd Block, Bengaluru - 560094; Tel. (080) 23603611(O), 23414855(R), 09945278551(M); Fax: 23600648, 23603611; Email: munjal@iisc.ac.in; Sp. Technical Acoustics/Industrial Noise Control/Automotive Noise Control.

MURALIDHAR, Kambadur (b.1948) PhD, FNA, FASc, Res. Flat 303, Shobhanadri Apartments, 7-1-69/1/25, Dharam Karan Road, Ameerpet, Hyderabad - 500016; Tel. 09810927705(M); Email: kambadur2015@gmail.com; Sp. Endocrinology/Biochemistry/Reproductive Biology.

Council: Mem. 2003-05

2022 MURMU, Naresh Chandra (b. 1971) PhD, FNAE, Director, CSIR-Central Mechanical Engineering Research Institute, M.G. Avenue, Durgapur - 713209; Res. Flat No.1/B, Block 2, Natural Heights, Durgapur - 713212; Tel. 08016096858(M); Email: murmu@cmeri.res.in, ncmurmu@gmail.com; Sp. Micro-Nano Manufacturing/Composites/Energy Storage Systems.

2000 MURTHY, Mathur Ramabhadra N. (b. 1950) PhD, FNA, FASc, FAAS, FTWAS, Astra-Zeneca Distinguished Professor, Institute of Bioinformatics and Applied Biotechnology, Bangalore; Res. 531 'Beladingalu', 14th Main Gokul I Stage,I Phase, Bangalore - 560054; Tel.(080) 09900313742(M); Email: mrn@iisc.ac.in; mbumrn@gmail.com; mrn@iisertvm.ac.in; mrn@ibab.ac.in; Sp. X-ray Crystallography/Virus Structure and Assembly/ Protein Structure and Function/Protein Evolution.

MURTHY, Puvvada Kalpana (b. 1951) PhD, CSIR-Emeritus Scientist, Department of Zoology, University of Lucknow, Lucknow - 226007; Former Chief Scientist, CSIR-CDRI, Lucknow; Res. M-88/B-2, Jankipuram, Sitapur Road Yojna, Lucknow - 226021; Tel. (0522) 4248782(R), 09839196602, 08887753419(M); Email : drpkmurthy@yahoo.com; drpkmurthy@gmail.com; Sp. Filariasis : Host-Parasite Interaction/Development of Immunoprophylactic(s)/New Antifilarial Drug Development.

2008 MURTY, Budaraju Srinivasa (b.1964) PhD, FNAE, FNA, FASc, FTWAS, FAPAM, FASM, FIIM, FEMSI, FAPAS, Director, Indian Institute of Technology Hyderabad, Kandi, Sangareddy - 502284; Tel. (040) 23016001(O), 08331036001(M); Fax: 23016000; Email: bsm@iith.ac.in; director@iith.ac.in; murty.iitm@gmail.com; Sp. Nano Materials/Composites/Phase Transformations.

MUSTAFA, Munshi Golam (b. 1962), PhD, Senior Professor (H+), Saha Institute of Nuclear Physics, 1/AF Bidhan Nagar, Kolkata - 700064; Res. Flat No.B-19/299, Kendriya Vihar, Mondal Ganthi, VIP Road, Kolkata - 700052; Tel. (033) 23375345 Ext. 2349(O), 25251905(R), 09007435091(M); Fax : 23374637; Email : munshigolam.mustafa@saha.ac.in; Sp. High Energy Nuclear Physics/Finite Temperature Field Theory/ Effective QCD Model.

2011 MUSTI, Narasimha Murty (b. 1954) PhD,FNAE, Professor, Department of CSA, Indian Institute of Science, Bangalore - 560012; Res. Flat No. 3, Vigyan Vihar Apartments, 4th Cross, Jaladarshini Layout Extn., Bangalore - 560094; Tel. (080) 22932779(O), 23414315(R); Fax: 23602911; Email: mnm@isc.ac.in; Sp. Pattern Recognition/Machine Learning.

2019 **MUTHALAGU, Ravichandran** (b. 1965) PhD, Director, National Centre for Polar and Ocean Research, Headland SADA, Vasco, Goa - 403804; Res. Director's Bunglow, NCPOR, Headland Sada, Vasco, Goa-403804; Tel. (0832) 2525501(O), 2525611(R), 09441229296(M); Fax: 2520877; Email: mravi@ncaor.gov.in; ravi.incois@gmail.com; Sp. **Oceanography.** 

- 2006 MUTHANE, Uday Baburao (b. 1961) M.B.B.S.,D.M., Additional Professor of Neurology, National Institute of Mental Health & Neurosciences, Bangalore 560029; Res. 2081, 24th Main, HSR Sector-1, Bangalore 560034; Tel. (080) 26995480(O), 25725562(R); Fax: 26560044; Email: umuthane@usa.net; Sp. Medical Science/Neuroscience.
- MUTHAPPA, Senthil Kumar (b. 1976) PhD, FNAAS, Scientist, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, PO Box No. 10531, New Delhi 110067; Res. H-IVs-204, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, PO Box No. 10531, New Delhi 110067; Tel. (011) 26735229(O), 26735226(R), 08527289125(M); Fax: 26741658; Email: skmuthappa@nipgr.ac.in; Sp. Plant Combined Stress Tolerance/Plant Microbe Interaction/Non-host Resistance.
- 2023 MYLAVARAPU, Sivaram Venkata Satya (b. 1974) PhD,FNA, Professor, Regional Centre for Biotechnology, NCR Biotech Science Cluster,3rd Milestone, Faridabad-Gurgaon Expressway, Faridabad, Haryana 121001; Res. T9-1505, RPS Savana, Sector 88 (Neharpar), Faridabad, Haryana 121002; Tel. (0129) 2848830(o), 4900286(R), 09650248636(M); Email: sivaram.rcb@gmail.com; sivaram@rcb.res.in; Sp. Cell Biology/Cell Division/Intercellular Communication.
- 2012 MYSORE, Shashidhar Srikantiah (b. 1958) PhD, Emeritus Scientist, Division of Organic Chemistry, National Chemical Laboratory, Pune 411008; Res. Flat 2, Madhav Park, Sanewadi, Aundh, Pune 411007; Tel. (020) 25902055(O), 09325899049, 09960398898(R); Fax: 25902624; Email: ms.shashidhar@ncl. res.in; myshashi17@gmail.com; Sp. Organic Chemistry.
- 1998 NADGAUDA, Rajani Satish, (b. 1951) PhD, FLS (London), FMAS, FTWAS, Senior Professor, Plant Cell and Molecular Biology, Indian Institute of Advanced Research, Block No. 2, 1st Floor, Udyog Bhavan, Sector 11, Gandhinagar 382011; Tel. 09328242536(M); Email: nadgaudarajani@yahoo.co.in; Sp. Plant Biotechnology.
  - Award: Dr. P.Sheel Memorial Young Woman Scientist Award, Nat.Acad. Sci.India (1997). Council: Mem. 2006-
- 1979 NAGABHUSHANAM, Rachakonda (b.1931) PhD (Tulane), D.Sc., FNA, Formerly Professor & Head, Dept. of Zoology, Marathwada Univ., Aurangabad; Consultant in Biotechnology, 8009, New Brunswick Dr., Cincinnati, OH, 45241-1357, USA; Tel. (0513) 779-1443; Sp. Animal Physiology/Marine Biology/Invertebrate Endocrinology.

2005 NAGANAGOWDA, G.A. (b. 1961) PhD, Assistant Professor, Centre of Biomedical Magnetic Resonance, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Raebareli Road, Lucknow - 226014; Res. Musandihal, Godabanahal Post, Chitradurga Taluk and District Kanataka - 577555; Tel. 0819425637(R); Email: gangcbmr@hotmail.com; Sp. Analytical Chemistry/NMR Spectroscopy/Biomedical Magnetic Resonance.

1999 NAGARAJ, Ramakrishnan (b. 1953) PhD, FNA, FASc, CSIR-Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad - 500007; Res. 103, Vinay Vihar, St-11, Tarnaka, Hyderabad - 500017; Tel. (040) 27192589(O), 09848303895(M); Email: nrajccmb@gmail.com; Sp. Peptide &

Protein Biochemistry/Membrane Biochemistry.

2007 NAGARAJA, Valakunja, (b. 1954) PhD, FASc, FNA, FTWAS, President, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru – 560064; Tel. (080) 23622762, 23600668(O), 23418256(R); Fax: 22082758, 23602697; Email: president@jncasr.ac.in; vraj@iisc.ac.in; Sp. Regulation of Gene Expression/Molecular Biology of Mycobacteria/R-M Systems.

NAGARAJAN, Radhakrishnan, (b. 1942) PhD, FNA, FASc, Emeritus Professor, University of Mumbai, Dept. of Atomic Energy, Centre of Excellence for Basic Sciences, Health Centre Building, Vidyanagari, Santacruz (E), Mumbai – 400098; Formerly Professor, Condensed Matter Physics and Material Science, TIFR, Mumbai; Res. 303, Dnyaneshwar, Opp. Gaikwad Road (Near Tambe Nagar Jain Temple), Mulund (W), Mumbai - 400080; Tel. 09322370689(M); Email: nagarajan@cbs.ac.in; nagjan2006@gmail.com; Sp. Superconductivity/Valence Fluctuation / Mossabauer Spectroscopy / Instrumentation.

2018 NAGARAJU, Ganesh (b. 1973), PhD, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore - 560012; Res. B301, Lexton Apartments, Sanjaynagar, Bangalore -560094; Tel. (080) 22933055(O), 09731881206(M); Email : nganesh@iisc.ac.in; Sp. DNA Damage Responses/Cell

Biology/Cancer Biology.

NAG, Devika (b. 1938) MD, FAAN, FIANSc, Professor Emeritus, Dept. of Neurology, KG Medical College, Lucknow; Senior Consultant Neurologist, Mayo Hospital, Lucknow; Res. 9/10 Suryodaya Colony, Rana Pratap Marg, Lucknow - 226001; Tel. (0522) 2302269/70(O), 2231797(R), 09415408403(M); Fax. 2303939;Email:devikanag@yahoo.in;Sp.Medicine/ Neurology/ Neurotoxicology.

NAGEGOWDA, Dinesh Addihalli (b. 1974) PhD, Chief Scientist & Scientist In-Charge, CSIR-Central Institute of Medicinal and Aromatic Plants Research Center, Allalasandra, GKVK Post, Bengaluru-560065; Res. #A501, Hoysala Habitat Apts, Harohalli, Yelahanda, Bengaluru - 560064; Tel. (080) 28460564(O), 08043026925, 08095400055(M); Email: dinu33@yahoo.com; da.nagegowda@cimap.res.in; Sp. Plant Molecular Biology/Functional Genomics/Metabolic Engineering.

NAIK, Niranjan Krishna (b. 1944) PhD, FNAE, FIE, FAeSI, Emeritus Professor, Aerospace Engineering Department, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Res. Flat 804, A Wing, Gundecha Heights, Opp. St. Xaviers School, LBS Marg, Kunjurmagr (West), Mumbai - 400078; Tel. (022) 25777536(R), 09819971522(M); Email: nknaik@aero.iitb.ac.in; Sp. Polymer Matrix Composites/Textile Composites/Ballistic Impact/Fracture and Fatigue of Composites/Aerospace Technology.

NAIK, Prakash Dattatray (b. 1959) PhD, Dean, Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai - 400094; Res. 16-D, Udayagiri, Anushaktinagar, Mumbai - 400094; Tel. (022) 25595398(O), 20852702(R), 09221798549(M); Fax: 25503384; Email: pdnaik@barc.gov.in; deanhbni@hbni.ac.in; Sp. Chemical Kinetics & Dynamics/ Atmospheric Chemistry.

NAIK, Prasad Anant (b. 1959) PhD, Visiting Professor, Department of Physics, BITS-Pilani KK Birla Goa Campus, Zuari Nagar, Goa – 403726; Former Director, Raja Ramanna Centre for Advanced Technology, Indore; Res. Qtr.No. C-327, BITS-Pilani KK Birla Goa Campus, Zuari Nagar, Goa - 403726; Tel. (0832) 2580179(O), 09981395193(M); Email : prasadn@goa.bits-pilani.ac.in; prasadanaik@gmail.com; Sp. Lasers, Laser Produced Plasma, High Power Lasers, X-Ray Laser.

NAIR, Gopalan Madhavan (b. 1943) FNAE, Former Chairman, Space Commission, Secretary, DOS, Chairman, ISRO, Bangalore; Res. 'Manjari', Temple Road, Sasthamangalam, Thiruvananthapuram – 695010; Tel. (0471) 2720941(R); Email: gmnair@isro.gov.in, gmnairg@gmail.com; Sp. Space Technology/ Rocket System Design/Science & Technology Management.

NAIR, Gopinath Balakrish (b.1954) PhD, FNA, FASc, FTWAS, FAAM, Honorary Distinguished Professor, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram - 695014, Kerala; Res. 3E SFS Palace Court, TC 5/2380 (22), Pipe Lane Road, Kowdiar, Thiruvananthapuram - 695003, Kerala; Tel. (0471) 2529400(O), 2433857(R); 09999829379(M); Email: gbnair\_2000@yahoo.com; Sp. Medical Microbiology.

2010 NAIR, Kunchupillai Gopalakrishnan (b. 1934) PhD, FIETE, Director, Centre for Science in Society, Cochin University of Science & Technology, Kochi- 682022; Res. Nandanam, Near Thrikkakara Temple, Cochin University PO, Kochi - 682022; Tel. (0484) 2575039, 2575552(O), 2575400(R); Fax: 2575552; Email: velianadkgn@gmail.com; velianad@yahoo.co.in; Sp. Physics/Electronics/Popularisation of Science.

NALLAMALA, Manjula Reddy (b. 1965) PhD, FASc, FNA, Chief Scientist, S-106, CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad - 500007; Res. 1-2-99/E, Street No. 2, Habsiguda, Hyderabad - 500007; Tel. (040) 27192514(O), 09866706920(M); Email: manjula@ccmb.res.in; mreddy65@gmail.com; Sp. Bacteriology/Bacterial Cell wall Synthesis.

2013 NAMBOOTHIRI, Irishi Naravanan (b. 1964) PhD. Professor. Department of Chemistry, Indian Institute of Technology Bombay, Mumbai - 400076; Res. B-53, Building #13, IIT Quarters, Powai, Mumbai - 400076; Tel. (022) 25767196(O), 25768196(R), 09969960735(M); Fax: 25767152, 25723480; Email: irishi@iitb.ac.in; inamboothiri@gmail.com; Sp. Organic Chemistry/Organic Synthesis, Reaction Mechanism.

1974 NANDA, R.S. PhD, Professor, Mathematics Department, Indian

Institute of Technology, Kharagpur-721 302;

2016

NANDAKUMARAN, Akambadath Keerthiyil (b. 1961) PhD, Professor, Department of Mathematics, Indian Institute of Science, Bangalore - 560012; Res. 162, Viswavihar, 10th Main, Tatanagar, Bangalore - 560092; Tel. (080) 22932835/2265(O), 23517577(R); Fax: 23600146; Email: nands@iisc.ac.in; Sp. PDE/Analysis/Tomography.

2004 NANDEDKAR, Tarala Deepak (b. 1945) PhD, Formerly Deputy Director, (Sr. Grade), National Institute for Research in Reproductive Health, Parel, Mumbai - 400012; Ex. Emeritus Scientist (CSIR); Visiting Scientist, Haffkime Institute, Parel, Mumbai; Res. C-201, Asha Kunj, Samarth Garden, 8 Datta Mandir Road, Bhandup (W), Mumbai - 400078; Tel. (022) 25662334(R), 09833596546(M); Fax: 24139412; Email: tarala45@gmail.com; Sp. Reproductive Biology/Ovarian Endocrinology/Cell Culture.

2023 NANDI, Ashish Kumar (b. 1967) PhD,FWAST, Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi -110067; Res. A-310 Sarita Vihar, New Delhi - 110076; Tel. (011) 26704152(O), 41756098(R), 09958740279(M); Fax : 26704530; Email : ashis\_nandi@yahoo.com; Sp. Plant Immunity/Plant Development/Plant Biotechnology.

2014 NANDICOORI, Vinay Kumar (b. 1969) PhD, Director, Centre for Cellular & Molecular Biology, Habsiguda, Uppal Road, Hyderabad-500007; Tel. (040) 27160789(O), 09891497516(M); Fax: 27160252; Email: vinaykn@nii.ac.in; director@ccmb. res.in; Sp. Molecular Biology/Cell Biology/Biochemistry.

2016 NANDY, Papiya Sengupta (b. 1945) PhD, FAScT, Member Scientist, Centre for Interdisciplinary Research and Education, Jodhpur Park, Kolkata - 700068; Res. 404B Jodhpur Park, Kolkata - 700068; Tel. 09830021785(M); Email: pnandy00@ gmail.com; Sp. High Dilution Physics/Bioinformatics/ Science Education.

2008 NANGIA, Ashwini Kumar (b.1960) PhD, FASc, FNA, FRSC, Professor & Dean, School of Chemistry, University of Hyderabad, Central University PO, Prof. CR Rao Road, Gachibowli, Hyderabad - 500046; Tel. 09848155416(M); Email: ashwini. nangia@gmail.com; Sp. Supra-molecular Chemistry/Crystal Engineering.

NAQVI, Syed Wajih Ahmad (b.1954) PhD, FASc, FNA, FTWAS, 2002 Distinguished Visiting Professor, Department of Earth Sciences, Indian Institute of Technology, Kanpur – 208016; Tel. (0512) 2592158(O), 09643314093(M); Email: wajih\_naqvi@yahoo. wnaqvi@iitk.ac.in; Sp. Oceanography/Aquatic Biogeochemistry/Global Chance.

2007 NARAHARI, Yadati (b. 1959) PhD, FNA, FASc, FNAE, FIEEE, Professor, Department of Computer Science and Automation, Indian Institute of Science, Bangalore - 560012; Res. No.65, 4th Cross, S.P. Extension, Malleswaram, Bangalore - 560003; Tel. (080) 22932773, 22932468(O), 23310265(R); Fax: 23602911; Email: narahari@iisc.ac.in; narahari.yadati@gmail.com; Sp. Game Theory/ Network Economics/Electronic Commerce.

- 2012 NARAIN, Sunita (b. 1961) D.Sc.(hc), Director General, Centre for Science & Environment, 41, Tughlakabad Industrial Area, New Delhi 110062; Res. A-17, Green Park, New Delhi 110016; Tel. (011) 29955778(O), 26863380(R); Fax: 29955879; Email: sunita@cseindia.org; Sp. Science & Society.
- 1998 NARASIMHADEVARA, Vijayaditya (b. 1946) PhD(USA), Former Controller of Certifying Authorities, O/o CCA, DIT, New Delhi; Res. C-72, Tarang Apartments, Plot No. 19, Mother Dairy Road, I.P. Extension, New Delhi 110 092; Tel. (011) 22721073(R); Sp. Information Technology.
- NARASIMHAM, Syamala Vemuri (b.1937) PhD, FASc, Formerly Senior Professor, TIFR; Res. 202 Vigyan, Plot 23, Sectot 17, Vashi, Navi Mumbai 400703; Tel. (022) 27666155(R), 09819714541(M); Email: narasimham.vemuri@gmail.com; Sp. Cosmic Rays/Particle Physics.
- 1971 **NARASIMHAN, Jr. N.J.** MBBS,FRMS(Oxon); Res. 1460, Mayo Memorial Building, Minneapolis,Minn-55455,USA;
- 2011 NARASIMHAN, Shobhana (b. 1963) PhD, Professor & Chairman, Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore 560064; Res. JVE 4, Vijnanapura, New Bel Road, Bangalore 560094; Tel. (080) 22082833(O), 23413675(R); Fax: 22082766; Email: shobhana@jncasr.ac.in; Sp. Condensed Matter Physics/Materials Science/Nanoscience.
- 2012 NARAYANA, Chandrabhas (b. 1965) PhD, FRSC, FASc, Director, Rajiv Gandhi Centre for Biotechnology, Thycaud PO, Poojappura, Thiruvananthapuram 695014; Res. No.53, Phase 3, Royal Enclave, Srirampura Village, Jakkur PO, Bangalore 560064; Tel. (0471) 2347973, 2529400(O), 09448682721(M); Fax: 23493030; Email: cbhas@rgcb.res.in; cbhas@jncasr. ac.in; Sp. Experimental Condense Matter Physics/Light Scattering/High Pressure Research/Nano-Biotechnology.
- NARAYAN, Jagdish (b. 1948) PhD(California), NAE, FNAI, FAPS, FAAAS, FASM, FTMS, FMRS, John Fan Family Distinguished Chair Professor & Director, NSF Centre for Advanced Materials & Smart Structures, Deptt. of Material Science and Engineering, EB-1, Suite 3030, Centennial Campus, North Carolina State University, Raleigh, NC 27695-7907, USA; Res. 4917, Springwood Drive, Raleigh, NC 27613-1034, U.S.A.; Tel. (919)-515-7874(O), 846-7233(R); Fax: 515-7642; Email: j\_narayan@ncsu.edu; Sp. Q-Carbon and Diamond Related Materials, Nanomaterials/Laser Processing of Materials/Naroscale Characterization.

2006 NARAYAN, K.S. (b. 1964) PhD(Ohio), FNA, FASc, Professor & Dean (R&D), Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore - 560064; Res. B-502, Sterling Residency, RMV IInd Stage, Bangalore - 560094; Tel. (080) 22082822(O); Fax: 22082766; Email: narayan@jncasr.ac.in; Sp. Experimental Solid State/Materials Physics/Energy Research/Bioelectronics.

- 1990 NARLIKAR, Anant Vishnu (b. 1940) PhD(Cantab), ScD(Cantab), FNA, FASc, Formerly Director Grade Scientist, NPL, New Delhi; Res. 211-212 Peace Point Colony, Behind Queens College, Khandwa Road, Limbodi, Indore 452001; Tel. (0731) 25881150(R), 09755162563(M); Email: narlikar@yahoo.com; Sp. Super conductivity and Condensed matter and Materials Science.
- NARLIKAR, Jayant Vishnu (b. 1938) PhD(Cantab), Sc.D.(Cantab), FNA, FASc, FTWAS, Emeritus Professor, Inter-University Centre for Astronomy and Astrophysics, Post Bag 4, Ganeshkhind, Pune University Campus, Pune-411007; Res. 6, Khagol, S No. 38/1 Panchavati, Pashan, Pune 411008; Tel. (020) 25604100(O), 25881150(R); Fax: 25604698; Email: jvn@iucaa.in; Sp. Cosmology and Astrophysics.
- 1993 NARULA, Suraj Prakash (b. 1934) PhD, Professor, Department of Chemistry, Panjab University, Chandigarh - 160 014; Res. G-5, Sector - 14, Chandigarh - 160 014; Tel. (0172) 541435(O), 541556(R); Sp. Inorganic/Organometallic Chemistry.
- 2019 NATARAJ, Neela (b. 1968) PhD, Professor, Department of Mathematics, Indian Institute of Technology Bombay, Powai, Mumbai 400076; Res. 301 Ambrosia Hiranandani Gardens, Powai, Mumbai 400076; Tel. (022) 25767468(O), 09820420708(M); Fax: 25707480; Email: neela@math.iitb.ac.in; Sp. Numerical Analysis/Finite Element Methods.
- 2014 NATARAJAN, Krishnamurthy (b. 1960) PhD, Professor, Laboratory of Eukaryotic Gene Regulation, 325, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067; Res. 1307, Poorvanchal, Jawaharlal Nehru University, New Delhi 110067; Tel. (011) 26704512(O), 26742432(R), 09810908542(M); Fax: 26742558; Email: nat0200@mail. jnu.ac.in; nat0200@gmail.com; Sp. Cellular and Molecular Biology/Chromatin, Transcription and Gene Regulation.
- 2000 NATARAJAN, Kootalai Anantha Iyer (b. 1942) PhD (Minnesota), DSc, FASc, FNAE, FIIM, NASI Honorary Scientist; Emeritus Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore 560012; Formerly NASI Senior Scientist; Res. 594, 10th Cross, III Block, B.E.L. Layout, Vidyaranyapura, Bangalore 560097; Tel. (080) 22932679(O), 23646499(R), 09880250091(M); Fax : 23600472; Email : kan@iisc.ac.in; Sp. Mineral Beneficiation/ Biometallurgy/ Environment/Corrosion/Hydrometallurgy.
- NATARAJAN, Srinivasa (b. 1941) PhD, (IITM) Formerly Dean, Professor & Head, Anna University, Chennai; Res. 34, Second Main Road, Kottur Gardens, Chennai-600085; Tel. (044) 24475931(R), 09282220931, 09500052931(M); Fax: 24420148; Email: radarajan@gmail.com; Sp. High Pressure Physics/X-Ray Crystallography/ Materials Science/ Creativity.

2010 NATARAJAN, Srinivasan (b. 1960) PhD, FNA, FASc, Professor, Solid State & Structural Chemistry Unit, Indian Institute of Science, Bangalore - 560012; Res. Flat No. 4, 2A Ram Eleganie, 4<sup>th</sup> Main, 7<sup>th</sup> Cross Naidu Layout RMV 2<sup>nd</sup> Stage, Bangalore - 560094; Tel. (080) 22932551(O), 23417591(R), 09448937430(M); Fax: 23601310; Email: snatarajan@iisc.ac. in; rajan1960@gmail.com; Sp. Inorganic Materials Chemistry.

2009 NATH, Kumar Jyoti (b. 1941) M.E. (P.H.), DSE (The Netherlands), FNASc, FIE, FNSI, FIPHE, FIWWA, FNESA, Chairman, S&T, Sulabh International Social Service Organisation, Vice Chancellor, Sulabh International Academy of Environmental Science & Public Health, Member; President, Institution of Public Health Engineers India; Chairman, Arsenic Task Force, Govt. of West Bengal; Chairman, Core Committee on Water Safety & Security, Formerly National Ganga River Basin Authority (2009-2014), GOI Formerly Director, All India Institute of Hygiene & Public Health, GOI, Kolkata; CG-184, Sector-2, Salt Lake City, Kolkata- 700091; Res. AK-284, Salt Lake City, Kolkata - 700091; Tel. (033) 40077613(O), 23374612(R), 09831275668, 09831037646(M); Fax : 23342171; Email: nathkj2016@gmail.com; kumarjyoti@rediffmail.com; Sp. Envirn ment/Public Health/Sanitation.

Council: Mem. 2012-13

NATH, Sankar Kumar (b. 1960) PhD, FNAE, FSGAT, Professor (Higher Administrative Grade), & Former Head, Department of Geology & Geophysics, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. Apartment No. A-102, Block 3, Gurukul Complex, IIT Kharagpur Campus, Kharagpur - 721302; Tel. (03222) 283374, 220042(O), 283375, 277757(R), 09434005953, 09734634942 (M); Fax: 220042, 282268, 255303; Email:nath@gg.iitkgp.ac.in; Sp. Geo- Tomography/ Earthquake & Engineering and Exploration Seismology/ Mathematical Geophysics.

2016 NATH, Utpal (b. 1965) PhD, Professor, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore - 560012; Res. B-305, Brigade Gateway, 26/1, Dr Rajkumar Road, Malleshwaram West, Bangalore - 560055; Tel. (080) 22932414, 3606(O), 41148064(R); Fax: 23602697; Email: utpalnath@iisc. ac.in; Sp. Plant Developmental Biology/Genetics/Organ Morphogenesis.

1998 NAUTIYAL, Chandra Shekhar (b. 1956) PhD, FNA, FNAAS, Scientific Advisor, Swami Rama Himalayan University, Dehradun; Formerly Vice Chancellor, Doon University, Dehradun & Director, CSIR-NBRI, Lucknow; Tel. 09415511111, 06395922202(M); Email: csnnbri@yahoo.com; nautiyalnbri@lycos.com; Sp. Plant Microbial Interactions/Agricultural Microbiology & Biotechnology.

Council: Mem. 2015-16

NAYAK, Amaresh Kumar (b. 1969) PhD, FNAAS, Director, ICAR-National Rice Research Institute, Bidyadharpur, Cuttack - 753006; Res. 2C/164, Sector 9, CDA, Cuttack - 753014; Tel. (0671) 2367757(O), 09777591282, 07978139451(M); Fax : 2367663; Email : director.nrri@icar.gov.in; aknayak20@yahoo. com; Sp. Crop Natural Resource Management/Carbon Sequestration/Climate Change: Adaptation and Mitigation.

2015 NAYAK, Shailesh (b. 1953) PhD, DSc(hc), FNA, FASc, Director, National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore - 560012; Res. 304, Purva Atria Platina Apts., 3<sup>rd</sup> Main, 4<sup>th</sup> Cross, 1<sup>st</sup> Block RMV 2<sup>nd</sup> Stage, Bangalore - 560094; Tel. (080) 23601969(O), 29730098(R), 09868262969 (M); Fax : 22185076; Email : director@nias.res.in; shailesh@ nias.res.in; Sp. Remote Sensing/Oceanography/Natural Hazards.

Council : Mem. 2019-20

2014 NAYAK, Tapan Kumar (b. 1958) PhD(Michigan State University), FASc, ALICE Collaboration, CERN, CH 1211, Geneva 23, Switzerland & NISER Bhubaneswar; Tel. (0041) 754112171(O) Email: tapan.nayak@cern.ch; Sp. Experimental Nuclear and Particle Physics/Phases of Nuclear Matter/Quark Gluon Plasma.

NAYAR, Madhavan Parameswaran (b. 1932) PhD(Lond), FLS, President, Environmental Resources Research Centre, Post Box 3/1230, Peroorkada P.O., Trivandrum - 695005; Formerly Director, Botanical Survey of India, Pitambar Pant National Environment Fellow; Res. The Greens, 19/315, Vattavila, Thirumala P.O., Trivandrum - 695006; Tel. (0471) 2437069(O), 353185(R); Email: mpnayar@yahoo.co.in; Sp. Taxonomy/Conservation/Endemic & Endangered Plant Species.

1982 NEELKANTAN, S. PhD,FRSC(Lond.), Formerly Professor of Chemistry, Director, Department of Pharma Chemistry, K.M. College of Pharmacy, Madurai-625 107; Sp. Organic & Natural Products Chemistry.

Council: Mem. 84-85

NEGI, Janardan G. (b. 1936) PhD, FRAS,(London), FAGU, Emeritus Scientist, National Geophysical Research Institute, Hyderabad - 500 007; Formerly Director Grade Scientist, NGRI, Hyderabad, Scientific Advisor to the Govt. of M.P., Director General, Madhya Pradesh Council of Sci. & Tech.; Res.7/90/1, Scientists Colony, Habshiguda, Hyderabad - 500007; Tel. (040) 27170272(O), 27172427, 26216397(R); Fax: 27171564; Email: negi\_janardan@yahoo.com; Sp. Geophysics/Exploration Geoelectromagnetics.

1979 NIAZI, Iqbal Ahmad (b. 1928) PhD(McGill), FASc, Formerly Professor and UGC Emeritus Fellow, Zoology Dept., University of Rajasthan, Jaipur - 302004; Res. D-2/2276, Vasant Kunj, New Delhi - 110070; Tel. (011) 26132371(R), 09810178979(M); Email: i\_a\_niazi@yahoo.co.in; Sp. Developmental Biology of

Animals / Embryology / Regeneration.

2016 NINGTHOUJAM, Raghumani Singh (b. 1972) PhD, Scientific Officer-F, Chemistry Division, Bhabha Atomic Research Centre, Mumbai - 400085; Res. Flat D-17, Kapilvatsu, Anushakti Nagar, Mumbai - 400094; Tel. (022) 25592321(O), 25570544(R); Fax: 25505151; Email: nraghu\_mani@yahoo.co.in; rsn@barc.gov.in; Sp. Solid State Chemistry.

2018 NIRANJANA, Siddapura Ramchandrappa (b. 1959), PhD, FNAAS, FNABS, FPSI, FISMPP, Former Vice Chancellor, Gulbarga Uni.; BSR Faculty Fellow, Studies in Biotechnology Dept., Distinguished Professor, University of Mysore, Manasagangotri, Mysore - 570006; Res. #122, 21st Cross, D Block, Vijayanagar, 3rd Stage, Mysore - 570017; Tel. (0821) 2411118(R), 08197077637(M); Email : niranjanasr@rediffmail.com; Sp. PlantProtection/Agriculture Biotechnology/Seed Pathology.

2000 NITYANANDA, Rajaram (b. 1948) PhD, FNA, FASc, Simons Visiting Professor, ICTS-TIFR, Bengaluru – 560089; Res. 601, Block 3A, Serene Urbana, Devanahalli, Bemgaluru Rural - 562110; Tel. 09611789391(M); Email: rajaram.nityananda@icts.res.in; rajaram.nityananda@gmail.com; Sp. Optics/Statistics/Dynamics especially in Astronomy/Physics Education.

2006 NITYANAND, Soniya (b. 1962) PhD,M.D., Director, Dr. Ram Manohar Lohia Institute of Medical Science, Vibhuti Khand, Gomti Nagar, Lucknow - 226010; Res. B-62, Nirala Nagar, Lucknow - 226020; Tel. (0522) 2668700,800,900 Extn.2291(O), 2788587, 2787179(R); Fax: 2668017; Email: soniya@sgpgi.ac. in, soniya\_nityanand@yahoo.co.in; Sp. Internal Medicine/Immunology/Hematology.

Council: Mem. 2013-14

- 1980 NIZAM, Jafar (b. 1926) PhD(Lond.), Formerly Professor of Botany; Res. Flat No.606,Minar Apartments (Deccan Towers), Basheer Bagh, Hyderabad-500 001; Tel. (040) 234043(R); Sp. Plant Cytogenetics/Cell Biology/Mutation Breeding.
- 2010 OGALE, Satishchandra Balkrishna (b. 1953) PhD, FASc, FMASc, Director, Research Institute for Sustainable Energy (RISE), TCG-CREST, Salt Lake, Kolkata 700091; Res. 128/1B, Plot 3A, Pushkaraj, Shramik Sahakari Society, Kothrud, Pune 411038; Tel.(020) 25908292(O), 25435200, 25442912(R), 09822628242 (M); Email: satishogale@gmail.com; satish.ogale@tcgcrest.org; satishogale@iiserpune. ac.in;Sp. Advanced Materials/Clean Energy.
- 2015 OJHA, Devendra Kumar (b. 1967) PhD, FASc, Senior Professor, Tata Institute of Fundamental Research (TIFR), Homi Bhabha Road, Colaba, Mumbai 400005; Res. 110-Bhaskara, TIFR Housing Complex, Homi Bhabha Road, Colaba, Mumbai 400005; Tel. (022) 22782684(O), 22783156(R); Fax: 22804610; Email: ojha@tifr.res.in; Sp. Star Formation & Interstellar Medium/Infrared Astronomy/Astronomical Instrumentation.
- 2015 OMKAR (b. 1958) PhD, Former Professor & Head, Department of Zoology, University of Lucknow, Lucknow 226007; Res. 14/494 Aanjaneya, Vikashnagar, Lucknow 226022; Tel. 09415757747(M); Email : omkar.lkouniv@gmail.com; Sp. Biology, Ecology and Behaviour of Ladybird Beetles & Biocontrol of Pests.
- 2000 OOMMEN, Vilaverthottathil Oommen (b. 1949) PhD, FAS, FRE, Emeritus Professor, Department of Computational Biology & Bioinformatics, State Inter-University Centre of Excellence in Bioinformatics, North Campus Kariavattom, University of Kerala, Thiruvananthapuram 695581, Kerala; Res. Baruch, Gandhipuram, Sreekariam, Trivandrum 695017; Tel. (0471) 418906(O), 598940(R); Fax: 307158; Email: oommenvo@yahoo.com; oommenvo@gmail.com; Sp. Comparative Endocrinology & Physiology/Molecular Taxonomy and Biodiversity Reproductive Biology.

PACHAURI, Rajendra Kumar (b. 1940) M.S., PhD (N.Carolina), Former Director-General. TERI, Darbari Seth Block, IHC Complex, Lodhi Road, New Delhi - 110 003, India; Former Chairman of IPCC (Intergovernmental Panel on Climate Change), C/O World Meteorological Organization, 7bis Avenue de la Paix, C.P. 2300, CH- 1211 Geneva 2, Switzerland; Res. R-160 Golf-Links, New Delhi-110 003; Tel. (+91 11) 2468 2100, 41504900 (Office-India), +41-22-730-8208/84 (Office-Switzerland); 24634663(R); Fax (+91 11) 2468 2144, 2468 2145 (Office-India); +41-22-730-8025/13 (Office-Switzerland); Sp. Energy Economics/Energy Engineering.

PADMANABAN, Govindarajan (b. 1938) PhD, DSc(hc), FNA, FASc, FTWAS, FAMS, Former President, NASI; Former Director, Indian Institute of Science, Bangalore-560012; Res. No. 5, 8th Main Road, Vyalikaval, Bangalore - 560 003; Tel. (080) 23601492, 23942540(O), 23342223(R); Fax: 23601492, 23600814; Email: geepee@alumni.iisc.ac.in; Sp. Molecular Biology/Recombinant DNA/Malaria Parasite Biology.

Council: Pres. 2019-20 P.Pres. 2021-22

1988

PADMANABHAN, Kuppuswamy Anantha (b. 1945) PhD (Cantab), ScD (Cantab), FNAE, FASc, FIIM, FIMMM (London), FIE, Research Advisor, Members (Physical Sciences), Research & Innovation Advisory Board, TCS; Formerly Director, IIT, Kanpur; Professor of Eminence, Mechanical Engineering Dept., College of Engineering, Guindy, Chennai-600025; Res. 7200 Kentwood Avenue, Los Angeles, California, 90045, USA; Tel. +1 310 908 3959; Email: ananthaster@gmail.com; kap@annauniv.edu; Sp. Mechanical Metallurgy/Metal Forming/Superplasticity and Plasticity/Nanostructured and Ultrafine Grained Materials/ Modelling & Simulation.

PADMANABHAN, Thanu (b. 1957) PhD, FNA, FTWAS, FASc, Distinguished Professor (Scientist I), IUCAA, Poona University Campus, Post Bag 4, Ganeshkhind, Pune - 411007; Res. 8, Akashganga, IUCAA Housing Colony, Poona University Campus, Ganeshkhind, Pune - 411007; Tel. (020) 25604106 (O), 25692922(R); Fax:25604699; Email : paddy@iucaa.in; nabhan@iucaa.in; Sp. Quantum Theory/Gravitation/Cosmology and Structure Formation in the Universe.

Award:Prof.AC Banerji Mem.Lec.Award-Nat.Acad.Sci.India (1997).

PADUBIDRI, Shivaprasad V. (b. 1974) PhD, Associate Professor, National Centre for Biological Sciences, GKVK Post, Bangalore-560065; Res. D601, Shriram Suhaana, Doddaballapur Road, Opp. BMSIT College, DB Road, Yelahanka, Bangalore -560064; Tel. (080) 23666511(O), 07337834349(M); Email: shivaprasad@ncbs.res.in; Sp. Plant Biotechnology/Plant Epigenetics/RNA Silencing.

PAKRASHI, Satyesh Chandra (b.1930) PhD,DSc(hc),FNA, S.N. Pradhan Centre for Neurosciences, Calcutta University, Dr. B.C. Roy PG Institute of Basic Medical Sciences, 244B-Acharya J.C. Bose Road, Kolkata - 700020; Res. 'Meghamallar', Flat No. 8F/2, 18/3,Gariahat Road, Kolkata-700019; Tel.(033) 24408123, 24602173(R), 09836424335, 09330968389(M); Fax: 24730284; Email : satyeshpakrashi@gmail.com; satyesh pakrashi@yahoo.in; Sp. Chemistry of Natural Products.

2005 PAL, Amita (b. 1949) PhD, FAScT, President, Archana Sharma Foundation of Calcutta; Former Senior Professor, Division of Plant Biology, Bose Institute, Kolkata - 700091; Res. Flat 3D, Apna Sapna, 267 Rajdanga, Nabapally, Kolkata - 700107; Tel. 09830009846, 09903052859(M); Email: amita@jcbose.ac.in; palamita119@gmail.com; Sp. Molecular Genetics and Genomics; Developmental and Stress Biology.

- PAL, Amlan Jyoti (b. 1960) PhD, FNA, FASc, FNAE, JC Bose National Fellow, Director, UGC-DAE Consortium for Scientific Research, Khandwa Road, Indore 452001; Res. Director's Residence, UGC-DAE CSR Residential Complex, Indrapuri, Indore 452001; Tel. (0731) 2463945(O), 09433059564(M); Email: director@csr.res.in; sspajp@iacs.res.in; Sp. Experimental Condensed Matter Physics/Organic Electronics/Device Physics.
- PAL, Gaya Prasad (b.1950) M.B.B.S., M.S., D.Sc., FASc, FAMS, FASI Director, Modern Institute of Medical Science, Kanadia, Near Bypass Road, Indore 452016; Res. 74, Padmavati Colony, Near St. Paul School, Indore 452001; Tel. (0731) 2842234-35(O), 2497600(R), 09425496354(M); Fax: 2842235; Email: gp\_pal50@rediffmail. com; Sp. Anatomy/Biomechanics of Spine.
- PAL, Haridas (b. 1959) PhD, Outstanding Scientst, Head, Molecular Photochemistry Section, Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400085; Res. Flat No. 8, Pratik, Plot 37, Sector 17, Koperkhairane, Navi Mumbai 400709;Tel. (022) 25595396(O), 27548126(R), 09969132040(M); Fax : 25505151, 25519613; Email: hpal@barc.gov.in; Sp. Photochemistry/Electron & Proton Transfer Processes/Supramolecular Chemistry.
- PAL, Jayanta Kumar (b. 1953) PhD,FMASc, Research Director, Dr. DY Patil Biotechnology & Bioinformatics Institute, Tathawade, Dr. DY Patil Vidyapeeth, Pune 411033; Res. 51, Maithili, Orion Complex, Aundh Road, Pune- 411020;Tel. (020) 67919444 Ext. 9455(O), 09960942624(R); Email : director.res.biotech@dpu.edu.in; jkpal@hotmail.com; Sp. Cell Molecular Biology/Developmental Biology/Genetic Engineering.
- 2009 PAL, Nikhil Ranjan (b. 1959) PhD, FNAE, FNA, FIFSA, FTWAS, FIEEE, Professor, ECSU, Indian Statistical Institute, 203, B.T. Road, Kolkata- 700108; Res. Flat 1B, Poonam Tower, A 45 Geetanjali Park, Ariadaha, Kolkata 700057; Tel. 09433905237(M); Email : nrpal59@gmail.com; Sp. Computational Intelligence/Machine Learning/Artificial Intelligence/Data Mining/Bioinformatics.
- 2016 PAL, Rahul (b. 1960) PhD, Emeritus Scientist, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067; Res. B-2, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi 110067; Tel. (011) 26703787(O), 26717177(R), 09811098023(M); Fax: 26742125; Email: rahul@nii.ac.in; Sp. Immunology/Cancer Biology.

PAL, Sankar Kumar (b. 1950) PhD (Cal.& Lond.), DIC, FNA, FASc, FTWAS, FNAE, FIAPR, FAAIA, FIEEE, Memb. European Acad. of Sci. and Arts; SERB National Science Chair; AICTE Distinguished Chair Professor; ISI Emeritus Professor; ISI President; Distinguished Scientist & Former Director, Indian Statistical Institute, 203, BT Road, Kolkata -700108; Formerly INSA Distinguished Professor, Sir JC Bose Fellow & DAE Raja Ramanna Fellow; Res. B-4, Lake View Park, PO ISI, Kolkata -700108; Tel. (033) 25752040, 25752041(O), 24648775, 25772030(R), 09831101500(M); Fax: 25778699, 25773357; Email : sankar@isical.ac.in; sankarpal@yahoo.com; Sp. Pattern Recognition/Image Processing/ Machine Learning/ Soft Computing and Data Mining/Bioinformatics/Cognitive Systems/Safety Analytics/Video Analytics and Deep Learning.

Council: Mem. 2017-18

1998 PAL, Sourav (b. 1955) PhD, FASc, FNA, FRSC, Director, Indian Institute of Science Education and Research, Kolkata, Mohanpur – 741246, Nadia, West Bengal; Res. Director's Bunbalow, IISER Kolkata Campus, Mohanpur – 741246, Nadia, West Bengal; Tel. (033) 66340012(O), 66340013(R); Fax: 25028002; Email: s.pal@iiserkol.ac.in; s.pal@ncl.res.in; spal@chem.iitb.ac.in; Sp. Theoretical Chemistry.

1993 PAL, Surendra (b. 1948) PhD, Dist.FIETE,FNAE, FIÉEE,FIET(UK), Ch.Engr(UK), MIA(Paris), DRDO Dr. DS Kothari Chair, Bangalore; Former Vice-Chancellor, Defence Institute of Advanced Technology, Pune; President IETE, Distinguished Scientist & Senior Advisor, Sat.Nav-ISRO; Tel. 09880595280 (M); Email: pal\_surendra@hotmail.com; Sp. Microwaves/Electromagnetics/Space Communication/ Radars, Satellite Navigation (GPS,GAGAN,GLONASS, GALILEO).

2007 PAL, Tarasankar (b. 1952) PhD, DSc, Emeritus Professor, School of Applied Sciences, Kalinga Institute of Industrial Technology, Odisha. Former Professor of Chemistry, IIT Kharagpur; Res. A-83, IIT Campus, Kharagpur - 721302; Tel. (03222) 281920(O), 281921(R); Email: tpal@chem.iitkgp.ac.in; tarasankar.pal@gmail.com; Sp. Inorganic Chemistry/Nano Science/Catalysis SERS Spectroscopy.

2006 PALIT, Dipak Kumar (b. 1957) PhD, FNA, FASc, Emeritus Professor, UM-DAE Centre for Excellence in Basic Sciences, Mumbai University, Kalina Campus, Santacruz (E), Mumbai 400098; Res. B2203 Neptune Tower, Suncity Housing Complex, Adi. SC Marg, Powai, Mumbai - 400076; Tel. (022) 26532132(O), 25784128(R), 09969149589(M); Email: dkpalit@cbs.ac.in; palittle.

Chemistry/Photochemistry/ Ultrafast Spectroscopy.

PALNI, Lok Man S. (b.1953) PhD(Wales), FNA, FNAAS, FISPM, Vice Chancellor, Graphic Era (Deemed) University, 566/6 Bell Road, Clement Town, Dehradun – 248002; Former Director, GBPIHE&D, Almora; Res. Flat 1-A/B, Riturain, Woldorf Compound, Nr. Vijaya Bank, Nainital - 263001; Tel. (05942) 238963(R), 09456748720, 08475996514(M); Email : Imspalni@rediffmail.com; Sp. Plant Growth Substances/Plant Tissue Culture/Plant Microbe Interactions.

Awards: Prof. Shri Ranjan Memorial Lecture (2004), Award Lecture in the field of Biodiversity (2007);

Council : Mem. 2005-06

2016 PALURU, Vijayachari (b. 1962) MBBS, MD, FAMS, FNA, Director & Scientist G, Regional Medical Research Centre, Department of Health Research, PB No. 13, Dollygunj, Port Blair - 744101; Andaman & Nicobar Islands; Res. Type VI Quarter, RMRC Director's Residence-cum-Office, Near Kendriya Sadan, CPWD Complex, Lamba Lane, Port Blair-744103, A&N Islands; Tel. 09932083226, 09434288396(M); Email: vijayacharipaluru@ gmail.com; vijayacharip@yahoo.com; Sp. Medicine, Clinical Microbioloy, Molecular Medical Microbiology and Molecular Epidemiology.

PANDA, Chinmay Kumar (b. 1959) PhD, NASI Senior Scientist, Former Senior Assistant Director Grade, Department of Oncogene Regulation, Chittaranjan National Cancer Institute, 37, SP Mukherjee Road, Kolkata - 700026; Res. Kajal Kunja, 51A/1, MC Garden Road, Dum Dum, Kolkata - 700030; Tel. (033) 24743922(O), 25480905(R), 09836594727(M); Fax: 24757606; Email: ckpanda.cnci@gmail.com; Sp. Cancer Genetics/Developmental Genetics/Functional Genetics.

2005 PANDA, Dulal (b. 1964) PhD, FTWAS, FNA, FASc, JC Bose National Fellow, Director, NIPER Mohali, Sector 67, SAS Nagar-160062; Tel. 09820391591(M); Email: panda@iitb.ac.in; panda@niper.ac.in; Sp. Biochemistry/Cell Biology/ Biotechnology/Pharmacology.

2003 PANDA, Ganapati (b. 1948) PhD, DSc(UK), FNAE, FIE, FIETE, Professor Emeritus, School of Electrical Sciences, Indian Institute of Technology, Bhubaneswar - 751013; Res. K8/80, Kalinga Nagar, Ghatikia, Bhubaneswar - 751003; Tel. (0674) 2301306(O), 09437048906(M); Email: gpanda@iitbbs.ac.in; ganapati.panda@gmail.com; Sp. Digital Signal Processing/ Soft Computing and Digital Communication.

2010 PANDA, Sudhakar (b. 1959) PhD, FNA, FASc, Director, National Institute of Science Education and Research, Jatni, PO: Bhimpur-Padanpur, Bhubaneswar – 752050; Tel.(0674) 2494002, 2494003(O), 2301367(R), 09437559215(M); Fax: 2494004; Email: director@niser.ac.in; panda@iopb.res.in; Sp. Field Theory/ String Theory/ String Cosmology.

2015 PANDE, Kanchan (b. 1958) PhD, Professor, Department of Earth Sciences, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Res. B37, Bldg No.9, Central Area IIT Campus, Powai, Mumbai - 400076; Tel. (022) 25767275(O), 25768276, 25724194(R); Fax : 25767253; Email : kanchanpande@iitb.ac.in; Sp. Geochemistry/Isotope Geology /Ar-Ar Geochronology.

1979 PANDEYA, Krishna Bihari (b. 1942) D.Phil., Former Vice-Chancellor, M.G. Chitrakoot Gramodaya Vishwavidyalaya, Chitrakoot, MP; Formerly Chairman, UP Public Service Commission; Res. 191-MIG-I, A.D.A., Naini, Prayagraj - 211008; Tel. (0532) 2698848(R), 09415344234(M); Email: kbpandeya@yahoo.com; krishnabpandeya@hotmail.com; Sp. Inorganic Chemistry/ESR Spectroscopy/ Mössbauer Spectroscopy.

2005 PANDEY, Anil Kumar (b. 1958) PhD, Scientist F, Aryabhatta Research Institute of Observational Sciences, Manora Peak, Nainital-263129; Res. ARIES Campus, Manora Peak, Nainital-263129; Tel. (05942) 235136, 235583(O), 235583(R); Fax: 233439; Email: pandey@aries.res.in; Sp. Star Formation/ Star Clusters/Gravitational Lensing.

2017 PANDEY, Arun Kumar (b. 1953) PhD, FES, FBS, FIAAT, FEHSST, Pro-Chancellor, Mansarovar Global University, Kolar Road, Bhopal - 462042; Former Professor of Botany & Dean of Colleges, University of Delhi; Tel. 09717745993(M); Email: arunpandey79@gmail.com; pro.chancellor@maguindia.com; Sp. Taxonomy/Molecular Systematics/Biodiversity/Plant Reproductive Biology.

Council : Mem. 2022-23

2012 PANDEY, Ashok (b. 1956) DPhil,FBRS,FTWAS,FNA,FRSB,FIOBB, FISEES, FAMI, FICT, FWSSET, Distinguished Scientist, Centre for Innovation and Translational Research, CSIR-Indian Institute of Toxicology Research, Lucknow - 226001; Tel. (0522) 2217646(O); Email: ashok.pandey1@iitr.res.in; ashokpandey 1956@gmail.com; Sp. Industrial & Environmental Biotechnology, and Energy Biosciences-Waste to Wealth/Industrial Enzymes/Solid State Fermentation.

2009 PANDEY, Daya Shankar (b. 1961) PhD, FNA, FASc, JC Bose National Fellow, Professor, Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi - 221005; Res. Flat No. 706 B Block, Rudra Towers, Karamjit Pur, Newada, Near Dhirendra Mahila PG College, Varanasi - 211005; Tel. 09450960400(M); Fax:0542-2368174; Email : dspbhu@bhu.ac. in; dsprewa@yahoo.com; Sp. Organometallic/Bioinorganic/Supramolecular Chemistry.

Council : G.S. 2024-

- 2009 PANDEY, Dhananjai (b. 1952) PhD,FNA,FASc, Professor & JC Bose National Fellow, School of Materials Science & Technology, Indian Institute of Technology (BHU), Varanasi 221005; Res. H-7 VDA Flats, Ravindrapuri Extension, Varanasi-221005; Tel. (0542) 6701799(O), 2314658(R); Fax: 2368707, 2368174; Email: dpandey\_bhu@yahoo.co.in; dp.mst1979@gmail.com; Sp. Ferroics and Multiferroics/Phase Transitions/Materials Science.
- 1993 PANDEY, Ganesh Prasad (b. 1954) PhD, FNA, FASc, Distinguished Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi 221005; Res. Shyam Kunj, A-198 Omaxe City, Raebareli Road, Lucknow 226025; Tel. 09970171802(M); Email: ganesh.pandey1@bhu. ac.in; Sp. Organic Synthesis/Bioorganic Chemistry.
- 2016 PANDEY, Girdhar Kumar (b. 1972) PhD, FNAAS, Professor, Plant Molecular Biology Dept., University of Delhi South Campus, New Delhi 110021; Res. D-503, Happy Home Apt., Sector 7, Dwarka, New Delhi 110075; Tel. (011) 42445436(R), 09811721436(M); Fax: 24111208; Email: gkpandey@south.du. ac.in; giridhar98@gmail.com; Sp. Plant Molecular Biology/Calcium Signaling/Functional Genomics of Stress Signalling.

2023 PANDEY, Jitendra (b. 1962) PhD, Professor, Department of Botany, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. B-36/10-44 Kewalyadham Colony, Durgakund, Varanasi - 221005; Tel. 09935954915(M); Email : jiten\_pandey@rediffmail.com; j\_pandey@bhu.ac.in; Sp. River Ecology/Atmospheric Deposition/Climate Change.

PANDEY, Om Prakash (b. 1950) PhD, Emeritus Scientist, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad - 500007; Res. 1-49/3/37 Plot No.37, Surya Nagar Colony, Uppal, Hyderabad - 500039; Tel. (040) 27012818(O), 27200109(R), 09440832738(M); Fax : 23434651; Email : om\_pandey@rediffmail.com; Sp. Geophysics/Geological

Sciences/Earth's Thermal Evolution.

PANDEY, Prem Chand (b. 1945) PhD, DSc(hc), FASc, Adjunct Professor, Discipline of Earth Sciences, Indian Institute of Technology Gandhinagar, Palaj, Gujarat - 382355; Res. 1/2, Aalay Apartments, Opposite Vastrapur Bus Stand, Vastrapur, Ahmedabad - 380015; Tel. 08763865350(M); Email : pcpandey@iitgn.ac.in; pcpandey45@yahoo. co.in; Sp. Satellite Oceanography/Atmospheric Sciences/Climate Change and Polar Research.

2008 PANDEY, Suman Kumar (b.1948) PhD,FNNAS,FHSI, Ex. Director, Central Potato Research Institute, Shimla; Res. 78, Marutipuram, Faizabad Road, Lucknow – 226016; Tel. (0522) 4063642(R), 09695162741(M); Email: write2skpandey @gmail.com; Sp. Genetics & Plant Breeding/Biotechnology.

PANDIAN, Thavamani Jegajothivel (b. 1939) PhD, Dr.rer.nat. (Kiel), DSc, FNA, FASc, FNAAS, FTWAS, Res. 9, Old Natham Road, Opp. Balamandiram, Madurai - 625014; Tel. (0452) 2640139(R), 09842164130(M); Email: tjpandian16@gmail.com; Sp. Genetics and Fishery Science.

PANDIT, Lekha (b. 1959) MD, DM, PhD, Professor of Neurology and Director, Center for Advanced Neurological Research, NITTE(Deemed to be University) Mangalore - 575018; Res. Kailas, Chandrika Layout, Netaji Road, Bejai, Mangalore - 575004; Tel. (0824) 2202392, 2204471-76(O), 09845084343 (M); Email : panditmng@gmail.com; lekhapandit@nitte.edu.in; Sp. Neurology/Neuroimmunology.

Sp. Neurology/Neuroimmunology.

2014 PANDIT, Maharaj K. (b. 1958) PhD, FNA, Professor & Head, Department of Environmental Studies, University of Delhi, Delhi- 110007; Tel. (011) 27666163(O); Email: rajkpandit@gmail.com; Sp. Plant Ecogenomics/Sustainability/

Conservation Biology.

2012 PANDITA, Pran Nath (b. 1949) PhD,FNA,FASc, DAE Raja Ramanna Fellow, Centre for High Energy Physics, Indian Institute of Science, Bengaluru – 560012; Tel. (080) 22932396(O), 09436102186(M); Fax: 23600106; Email: pandita@associates.iucaa.in; Sp. Theoretical High Energy Physics/Astroparticle Physics.

2008 PANDIŤ, Aniruddha Bhalchandra (b.1957) PhD, FNA, FASc, FNAE, FMASc, FTWAS, Vice Chancellor, Institute of Chemical Technology, N.P. Marg, Matunga, Mumbai - 400019; Res. E-3, Prashant Co-op.Hous.Soc., S.B. Marg, Mahim, Mumbai - 400016;Tel. (022) 336111111(O), 24302660(R); Fax: 33611020; Email: dr.pandit@gmail.com; ab.pandit@ictmumbai.edu.in; nanapandit@yahoo.co.uk; Sp. Chemical Engineering/Multiphase Reactors/Cavitation Phenomena.

2002 PANI, Amiya Kumar (b. 1957) PhD, FASc, Professor, Deprtment of Mathematics, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Tel. (022) 25767481(O), 25768481(R), 09769697481(M); Email : akp@math.iitb.ac.in; Sp. Numerical Analysis/Partial Differential Equations/Industrial Mathematics.

- 2020 PANIGRAHI, Bijaya Ketan (b. 1968) PhD, FNAE, Professor, Department of Electrical Engineering, IIT Delhi, Hauz Khas, New Delhi 110016; Res. Taxila-2, IIT Delhi, Haus Khas, New Delhi 110016; Tel. (011) 26591078(O), 26596148(R), 09582782220(M); Email : bijayaketan.panigrahi@gmail.com; Sp. Power System Operation, Control, Protection and Management/ Smart-Grid/Cybersecurity.
- 2012 PANIGRAHI, Prasanta Kumar (b. 1958) PhD, FGSA, Emeritus Professor, Indian Institute of Science Education and Research Kolkata, Mohanpur, Nadia 741246; Res. Professor, Siksha O Anusandhan, Khandagiri, Bhubaneswar 751030, Odisha Tel. 09748918201(M); Fax: 033-25873020; Email: pprasanta@iiserkol.ac.in; Sp. Field Theory/Quantum Computation/Nonlinear Dynamics.
- PANT, Kamal Kishore (b. 1965) PhD, FNAE, FRSC(London), FIIChE, FIE(I), FBRS(I), Director, IIT Roorkee, Uttrakhand; Professor, Department of Chemical Engineering, IIT Delhi, Hauz Khas, New Delhi 110016; Res. 26, Vikramshila Apartment, Block 2, IIT Delhi Campus, Hauz Khas, New Delhi 110016; Tel. (011) 26596172(O), 26581878(R), 09990662905 (M); Email: kkpant@chemical.iitd.ac.in; dr.kkpant@gmail.com; director@iitr.ac.in; Sp. Heterogeneous Green Catalysis for Sustainable Energy and Hydrogen Generation and Waste to Wealth.
- 2005 PARAMASIVAN, Chinnambedu N. (b.1947) PhD, D.Sc., FAMS, Head of TB. Programme Find/India & SE Asia, Foundation for Innovative New Diagnostics, 14. D. Hansalya Building Barakhamba, Road New Delhi; Res. 26, Kilpauk Garden Western Extension, Chennai 600010; Tel. (011) 30419550(O), 26632955(R); Email: cnparamasivan@ gmail.com; Sp. Medical Microbiology/Immunology/Molecular and Cell Biology.
- 1999 PARANJAPE, Kapil Hari (b. 1960) PhD, FASc, FNA, FTWAS, Professor, Department of Mathematical Sciences, Indian Institute of Science Education & Research, Mohali, Knowledge City, Sector 81, Ajitgarh, Manauli PO 140306; Tel. (0172) 2293110(O), 09915269019(M); Telefax : 2240266; Email: kapil@iisermohali.ac.in; Sp. Algebraic Geometry/Differential Geometry/Topology.
- PAREEK, Ashwani (b. 1969) PhD, FNA,FNAAS,Executive Director, National Agri-Food Biotechnology Institute (NABI), Sector 81, PO Manauli, SAS Nagar, Mohali 140306; Res. Flat # B-533, IInd FL, Paschimabad New Complex, Jawaharlal Nehru University, New Delhi 110067; Tel. (011) 26704504(O), 26741558(R), 09818487723(M); Fax : 26742558; Email : ashwanipareek@gmail.com; Sp. Crop Physiology/Genomics/Abiotic Stresses.

PARIDA, Swarup Kumar (b. 1979), PhD, FNAAS, Staff Scientist IV, National Institute of Plant Genome Research, Lab No. 109, Aruna Asaf Ali Marg, PO Box No. 10531, New Delhi - 110067; Res. H-III/103, NIPGR, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26735228(O), 26735194(R), 09968207166 (M); Fax: 26741658; Email: swarup@nipgr.ac.in; swarupdbt@gmail.com; Sp. Agricultural Biotechnology/Molecular Genetics/Molecular Breeding.

2009 PARIKH, Jyoti Kirit (b. 1941) PhD, Executive Director, Integrated Research and Action for Development, C-50, Chhota Singh Block, Khelgaon, New Delhi - 110049; Res. C-50, Chhota Singh Block, Khelgaon, New Delhi - 110049; Tel. (011) 26495522(O), 26490126(R); Fax: 26495522; Email: jparikh@irade.org; Sp. Climate Change Technology Assessment/Energy Modelling/ Power System Modelling.

1996 PARIKH, Kirit Shantilal M.Tech.,Sc.D.(MIT), M.S.(MIT), Formerly Member, Planning Commission; Chairman, Integrated Research and Action for Development; Res. C-50, Chhota Singh Block, Asian Games Village Complex, Khelgaon, New Delhi - 110049; Tel. (011) 26495522, 26490126; Fax: 26495522; Email: kparikh@irade.org;

PARIMALA, Raman (b. 1948) PhD, FNA, FASc, Professor, Department of Mathematics and Computer Science, Emory University, 400 Dowman Drice W 401, Atlanta, GA 30322, USA; Res. 848, Artwood Road, GA30307, USA; Tel. (001) 404-7277577(O), 4448870(R); Fax: 7275611; Email: parimala@mathcs.emory.edu; Sp. Algebra/Algebraic Geometry.

1996 PARKASH, Ravi (b. 1950) PhD, DSc, FLS, FZS, FRES (London), FSCG, FZS, FZSI, FISG, Professor Emeritus (CSIR), Department of Genetics, Maharshi Dayanand University, Rohtak - 124001; Res. Type IV/35 MD University Campus, Rohtak - 124001; Tel. 09466260460(M); Fax: (01262) 243791; E-mail: rpgenetics@gmail.com; Sp. Zoology/ Genetics/Population Genetics.

1972 PARMAR, Surendra Singh (b. 1929) PhD(Lko.), PhD(McGill), 166, PALOMINO Pass, Trumbull CT. 06611, USA; Tel. 203-445-1734; Email: ssparmar34@sbcglobal.net; Sp. Physiology/Biochemical Pharmacology/Chemical Pharmacology/Medicinal Chemistry/Biochemistry/Chemistry.

1988 PARODA, Rajendra Singh (b. 1942) PhD, DSc (hc), FNA, FNAAS, FRAAS (Russia), FTWAS (Italy), FFTSE (Australia), Chairman, Trust for Advancement of Agricultural Sciences, Avenue II, IARI, Pusa Campus, New Delhi - 110012; Tel. (011) 25843243 (O), (0124) 4089343(R), 09810191486(M); Email : raj.paroda@gmail.com, taasiari@gmail.com; Sp. Plant Breeding/Genetics. Award : Dr BP Pal Mem. Lecture Award-Nat.Acad.Sci.India (1995).

1990 PARTHASARATHY, Kalyanapuram Rangachari (b. 1936) PhD, FNA, FASc, FTWAS, Emeritus Scientist, Indian Statistical Institute, 7, S.J.S. Sansanwal Marg, New Delhi-110 016; Res. A51, Gyandeep, Plot 8, Mayur Vihar, Phase I, Delhi-110 091;Tel. (011) 41493923(O), 22796447(R); Fax: 41493981; Email: krp@isid.ac.in; Sp. Probability Theory/Quantum Information Theory.

2013 PARTHASARATHY. Naravanaswamy (b. 1959) Professor, Department of Ecology and Environmental Sciences, School of Life Sciences, Pondicherry University, Puducherry -Pondicherry 605014: Res. D-15, University Quarters, 605014; 2654326(O), Puducherry Tel. (0413)07639969849(M); Email: nparthasarathypu@gmail.com; Sp. Biodiversity Conservation/ Plant Ecology & Taxonomy.

1990 PARTHASARATHY, Rajagopalan (b.1945), PhD, DSc (hc), FNA, FASc, Res. Villa B-75, Nananani Homes, Ananya Phase – 3, Kulathupalayam Dhaliyur Road, Coimbatore – 641109; Tel. (0422) 2976150(R), 09500233213(M); Email: sarathy.math.tifr

@gmail.com; Sp. Representations of Lie Groups.

PASCAL, Jean-Pierre (b. 1944) PhD,D.Sc.,agrege,
CNRS5558 Biometrie-Genetique et Biologie des Pop

CNRS5558 Biometrie-Genetique et Biologie des Populations Universite Claude Bernard - LYON 1,43, boulevard du 11 novembre 1918 - F - 69622 VILLEURBANNE Cedex; Tel. (33) 0472448238; Fax: 0478892719; Email: pascal@biomserv.univ-lyon1.fr; cal@biomserv.univ-lyon1.fr; Sp. Forest Ecology/Phytogeography/ Vegetation mapping.

2017 PATEL, Bhisma Kumar (b. 1965) PhD, Professor, Department of Chemistry, IIT Guwahati, Guwahati - 781039; Res. F-11, IIT Guwahati, North Guwahati, Dist. Kamrup, Assam - 781039; Tel. (0361) 2582307(O), 2584307(R), 09954090963(M); Fax : 2582351; Email : patel@iitg.ernet.in; Sp. Organic Synthesis/Catalysis/Reaction Mechanism.

2005 PATHAK, Anand Prakash (b. 1947) PhD,FInstP(Lond.),CPhy, Honorary Professor & NASI Senior Scientist, School of Physics, University of Hyderabad, Central University P.O., Hyderabad - 500046; Res. 184 Doyens Township, Serilingampally, Hyderabad - 500019; Tel. (040) 23134316(O), 09963423366 (M); Fax: 23010227; Email: appsp@uohyd.ernet.in; anandp5@yahoo.com; Sp. Condensed Matter Physics/Ion-Solid Interactions/Ion Beams Studies of Nano-Materials-Synthesis, Modification and Characterization.

PATHAK, Anirban (b. 1974) PhD,FIETE, Professor, Department of Physics and Materials Science & Engineering, Jaypee Institute of Information Technology, Noida - 201309, UP; Res. Faculty Quarter No. B3, Jaypee Institute of Information Technology, A 10, Sector 62, Noida - 201309; Tel. (0120) 2594361(O), 2594423(R), 09717066494(M); Email: anirban.pathak@gmail. com; anirban.pathak@giit.ac.in; Sp. Quantum Information/Quantum Optics/Physics.

Council: Mem. 2023-

1990

1981 **PATHAK, Bhan Datt** (b. 1928) PhD, Formerly Chairman, Central Ground Water Board, Ministry of Irrigation & Power; Res. MGS-2, Aliganj Housing Scheme, Lucknow - 226020; Sp. **Hydrogeology/Groundwater Hydrology.** 

2008 PATHÁK, Bindeshwar (b.1943) PhD,D.Litt., Action Sociologist, Founder, Sulabh Sanitation and Social Reform Movement, (Off. & Res.) Dr. Pathak's Sulabh Gram, Mahavir Enclave, Palam-Dabri Road, New Delhi - 110045; Tel. (011) 25031518, 25032617(O), Fax: 25034014, 25055952; Email: sulabhinfo@gmail.com; sulabhinfo1@gmail.com; Sp. Environmental Sanitation and Technology/Sustainable Development/Social Reform and Social Action.

2016 PATHAK, Himanshu (b. 1965) PhD, FNA, FNAAS, FAvH, FAScT, Director, ICAR-National Institute of Abiotic Stress Management, Malegaon, Baramati - 413115, Pune; Tel. (02112) 254055/57/58/59(O), 09899247590(M); Email: hpathak.iari@gmail.com; Sp. Climate Change/Soil Science/ Rice-Wheat.

PATHAK, K.N. (b. 1941) PhD, FNA, FASc, Professor Emeritus (for life), Former NASI Senior Scientist; Department of Physics, Former Vice Chancellor, Panjab University, Chandigarh-160 014; Res. #382, Sector 38-A, Chandigarh-160 014; Tel. (0172) 2534468(O), 2699944(R), 09988360009(M); Fax: 2783336; Email: pathak@pu.ac.in, knpathak26@gmail.com; Sp. Condensed Matter Physics/ Liquid State Dynamics/Electron Fluids/Nano-Science and Cold Atomic Quantum Gases.

Council: Mem. 2013-14

1987 PATHAK, Mano Dutta (b. 1934) PhD, Formerly Director General, Council of Agricultural Research & Education, UP, A-11, Niralanagar, Lucknow-226007; Res. B-1, J Road, Mahanagar Extenstion, Lucknow-226006; Tel. (0522) 2335536(R), 09415543284(M); Email: pathakmd1@gmail.com; Sp. Agricultural Research & Administration.

PATHAK, Sen (b. 1940) PhD, Distinguished Research Professor, Department of Genetics, Unit # 1010, The University of Texas M.D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, Texas 77030, U.S.A.; Res. 17311 Dawn Haven Court, Houstan, Texas 77095, U.S.A.; Tel. (713) 5631892(O), (281) 859-3234(R); Fax: (713) 7926331; Email: spathak@mdanderson.org, sepathak@gmail.com; Sp. Mammalian Cytogenetics/Human Cancer Genetics/Apoptosis/Biology of Telomeres in normal and Cancer Human and Murine Cells/Cancer and Normal Cell Line Authentication of Human and any Mammalian Species (A to Z).

2022 PATHANIA, Ranjana (b. 1974) PhD, Professor, Department of Biosciences & Bioengineering, Indian Institue of Technology Roorkee, Roorkee - 247667; Res. B-603, B Block, Shivalik Apts., IIT Roorkee, Roorkee - 247667; Tel. (01332) 285324(O), 285018(R), 09761305971(M); Email: ranjana.pathania@bt.iitr. ac.in; Sp. Antibiotic Resistance/Bacterial Pathogenesis/ Antibacterial Drug Discovery.

2013 PATI, Arun Kumar (b. 1966) PhD, FASc, Professor, Centre for Quantum Science & Technology, IIIT Hyderabad, Professor CR Rao Road, Gachibowli, Hyderabad – 500032; Tel. 08756612314(M); Email: akpati@hri.res.in; Sp. Quantum Information/Quantum Computation/Quantum Theory.

PATI, Atanu Kumar (b. 1956) PhD, FNAMS, FISC, Executive Member, Odisha State Higher Education Council, Department of Higher Education, Government of Odisha, A-11, Pustak Bhawan (2<sup>nd</sup> Floor), Suka Vihar, Bhubaneswar – 751022; Res. 2 Neera Extension, Parthivi Nagar, Hirapur Road, Raipur - 492099; Tel. (0674) 2532941(O), (0771) 4036134(R), 09826654829(M); Email: akpati19@gmail.com; oshee.hed@gmail.com; Sp. Chronobiology/Animal Physiology & Behaviour.

1984 PATI. Jogesh Chandra Physics Department, Maryland University. College Park, Maryland, U.S.A.; Res. 8640, Saffron, Dr. Lanham, Maryland-20706, U.S.A.; Tel. 301-4542183(O),301-5523209; Sp. Theoretical Particle Physics.

2010 PATI, Swapan Kumar (b. 1968) PhD, FNA, FASc, FTWAS, Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur Post, Bangalore - 560064; Res. No. 47, IIIrd Phase, Royal Enclave, Srirampura, Jakkur, Bangalore - 560064; Tel. (080) 22082839(O), 09448560474(M); Fax: 22082767; swapan.jnc@gmail.com; Email: pati@jncasr.ac.in; Magnetism/Modeling Quantum Thermoelectric, Photovoltaics Materials, Energy Transport/Homogeneous catalysts and Electro-catalysts/ Photo-catalysts/Optoelectronics/Dipolar Bosonic and Fermionic lattice/quantum time dependent phenomena.

2020 PATIL, Nitin Tukaram (b. 1975) PhD, Associate Professor, Department of Chemistry, Indian Institute of Science Education and Research Bhopal, Bhopal Bypass Road, Bhauri, Bhopal -462066; Res. Flat 203, Tower B, Indian Institute of Science Education and Research Bhopal, Bhopal Bypass Road, Bhauri, Bhopal - 462066; Tel. (0755) 2691351(O), 2691676(R), 08554951605(M); Email : npatil@iiserb.ac.in; patilnitint@ yahoo.com; Sp. Organic Synthesis/Metal Catalysis/

Organocatalysis.

2019 PATIL, Prabhugouda Mallanagouda (b. 1960) PhD, Senior Professor, Department of Mathematics, KLE Technological University, BV Bhoomaraddi Campus, Vidyanagar, Hubballi -580031, Karnataka; Res. #36/1, Jayanagar, Vidyanagar, Hubballi - 580021, Karnataka; Tel. (0836) 7966805(R), 09448540618(M); Émail: pmpmath@gmail.com; pmpatil@ kletech.ac.in; Sp. Boundary Layer Flows/Convective Heat and Mass Transfer/Computational Fluid Dynamics.

1988 PATNAIK, Lalit Mohan (b. 1946) PhD, D.Sc., FNA, FASc, FNAE, FTWAS, FIEEE, Adjunct Professor and NASI Senior Scientist, National Institute of Advanced Studies, Indian Institute of Science Campus, Bengaluru - 560012; Res. Apt. No. 313, Sriniket Apartments, 19/8 First Cross, MS Ramaiah College Road, Mathikere, Bengaluru – 560054; Tel. (080) 23602635(R); Email: lalitblr@gmail.com; patnaiklm@yahoo.com; and Computer Science Engineering/Information

Technology/Electronics.

2023 PATRA, Abhijit (b. 1979) PhD, Professor, Department of Chemistry, Office No.333, Elements Bldg., Indian Institute of Science Education & Research Bhopal, Bhopal By-Pass Road, Bhauri, Bhopal - 462066; Res. Tower B-501, IISER Bhopal Campus, Bhopal By-Pass Road, Bhauri, Bhopal - 462066; Tel. (0755) 2691337(O), 2691617(R), 08819971117(M); Fax: 6692392; Email: abhijit@iiserb.ac.in; Sp. Porous Organic Polymers/ Molecular Self-Assembly/ Fluorescence.

PATRA, Amitava (b. 1965) PhD, FRSC, FASc, OSA Fellow, Director, Institute of Nano Science & Technology, Mohali -2015 140306, Punjab; Res. Ruchira Resideny, Tower-5, Flat-6/1, 369 Kalitala Main Road, Kolkata - 700078; Tel. 09433479982(M); Email: msap@iacs.res.in; amitava@inst.ac.in; amitavapatra. patra@gmail.com; Science/Spectroscopy/ Sp. Nano Photonic.

2020 PATRA, Ashok Kumar (b. 1960) PhD, FNAAS, FAScT, FISSS, FRMSI, Director, ICAR-Indian Institute of Soil Science, Nabibagh, Berasia Road, Bhopal - 462038; Res. Director's Bungalow, ICAR-Indian Institute of Soil Science, Nabibagh, Berasia Road, Bhopal - 462038; Tel. (0755) 2730946(O), 2743267(R), 09811733465(M); Fax : 2733310; Email patraak@gmail.com; ashok.patra@icar.gov.in; Science/Soil Health/Soil Biodiversity/Carbon Management.

1999 PATRA, Dharani Dhar (b. 1955) PhD, FNYASc, FNAAS, FISSS Vice Chancellor, Bidhan Chandra Krishi Viswavidyalaya, PO Krishi Viswavidyalaya, Mohanpur, Dist. Nadia, WB - 741252; Tel. (03473) 222666(O), (033) 25829324(R), 09450096944(M); Fax: 222275; Email: ddpatra@rediffmail.com; ddpatra\_cimap@ yahoo.com; bckvvc@gmail.com; Sp. Soil Chemistry/Soil Fertility and Plant Nutrition/Medicinal and Aromatic Plants.

2011 PATRO, Isan Kumar (b. 1960) PhD, FIAN, FCINP, Professor, School of Studies in Zoology/Neuroscience, Jiwaji University, Gwalior - 474011; Former Vice-Chancellor, Ravenshaw University, Cuttack; Res. D-14, Garden Homes, Phase-2 Extn., Gwalior - 474006; Tel. (0751) 2442789(O), 09425110063(M); Email: ishanpatro@gmail.com; Sp. Glial Neurobiology/Brain Ageing/Neurodegeneration Neuroprotection.

Council: Mem. 2020-21

PATWARDHAN, Bhushan Keshav (b. 1959) PhD, FAMS, Distinguished Professor, Interdisciplinary School of Health 2016 Sciences, Savitribai Phule Pune University, Pune - 411007; Res. Pride Panorama B-802, Bahiratwadi, Behind Pavillion Mall, Senapati Bapat Road, Pune - 411016; Tel. (020) 25691758(O); Email: bpatwardhan@gmail.com; Sp. Biochemistry/Ethnopharmacology/Natural Product Drugs.

2014 PAUL, Vinod Kumar (b. 1955) PhD, FASc, FAMS, FIAP, Member (Health), NITI Aayog, GOI; and Professor & Head, Department of Pediatrics, All India Institute of Medical Sciences, New Delhi -110029; Res. C-2-19, Ansari Nagar (East), AllMS Campus, New Delhi - 110029; Tel. (011) 26593209(O), 26589702(R), 09811042437(M); vinodkpaul@gmail.com; Email

Pediatrics/Neonatology/Public Health.

1995 PAWAR, Sharad Eknath (b. 1942) PhD, DAE-BRNS Senior Scientist, Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085; Res. 46, Girnar, Anushaktinagar, Mumbai - 400094;Tel. (022) 25595046(O), 25550576(R); Sp. Grain Legume Improvement (Plant Breeding & Cytogenetics).

2008 PEDDI, Venkata Subbarao (b.1950) PhD, Senior Scientist (Seaweeds), Aquaculture Foundation of India, Madurai and Former Deputy Director/Scientist F, Marine Biotechnology and Ecology Discipline, CSIR-Central Salt & Marine Chemical Research Institute, Bhavnagar; Res. 4-19-32/4, Vijayapuri First Line (Cut Road), JKC College Road, Guntur - 522006, AP; Tel. (0863)22185057(R), 09491185057(M); raokappaphycus @gmail.com; cultivationpvs@yahoo.co.in; Sp. Ecology, Biology, Taxonomy, Resource Assessment, and Field Cultivation (Aquaculture) and Nutritional aspects including Antioxidants and Secondary Metabolites of Seaweeds, Bioremediation.

2023 **PENMATSA**, **Aravind** (b. 1982) PhD, Associate Professor, Rm111, Molecular Biophysics Unit, Indian Institute of Sciences, Bangalore - 560012; Res. E17, Old E Quarters, Gulmohar Marg, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22932458, 22933552(O), 09482612682(M); Email: penmatsa@iisc.ac.in; Sp. **Structural Biology/Membrane Proteins/Neuropharmacology.** 

- PENTAL, Deepak (b. 1951) PhD (Rutgers), DSc(hc), FNA, FASc, FNAAS, CSIR Distinguished Scientist, Centre for Genetic Manipulation of Crop Plants, University of Delhi, South Campus, Delhi 110021; Res. 4215, Sector B5 & B6, Vasant Kunj, New Delhi-110070; Tel.(011) 24112609,24115203(O), 09810843421 (M); Email : dpental@gmail.com; Sp. Genetic Engineering of Crop Plants, Mustard Breeding.
  - Award: Prof. Saligram Sinha Memorial Lecture Award Nat.Acad. Sci. India (1998).
- 2002 **PERIASAMY, Nallagounder** (b.1946) PhD, FNA, FASc, Formerly Senior Professor, Tata Institute of Fundamental Research; Res. 303, Golf Manor NAL Wind Tunnel Road, Murugeshpalya Bengaluru 560017; Tel. 09741912592(M); Email: peri46@ gmail.com; Sp. Chemistry/Fluorescence Spectroscopy/ Materials Chemistry.
- 2010 PERUNTHIRUTHY KOVILAKATHU, Madhu (b. 1968) PhD, Professor DCS, TIFR, Dept. of Chemical Sciences, Tata Institute of Fundamental Research, Survey No. 36/P, Gopanapally Village, Serilingampally Mandal, Ranga Reddy Dist., Hyderabad 500046; Tel. (040) 20203080(O); Email: madhu@tifr.res.in; Sp. Nuclear Magnetic Resonance.
- PHILIP, John (b. 1964) PhD, Associate Director, MCG & Head, SMARTS, Metallurgy and Materials Group & Professor, Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research, Kalpakkam 603102, TN; Res. 33, Second Avenue, Kalpakkam 603102, TN; Tel. (044) 27480500 Extn.22090(O), 27480121(R), 09443151536(M); Email : philip@igcar.gov.in; philipj\_2000@yahoo.com; Sp. Magnetic Nanomaterials/Nanofluids/Soft Matter.
- 2005 PILLAI, Madhavan Radhakrishna (b. 1960) PhD,FRCPath, FASc, FAMS, FNA, Former Director, Rajiv Gandhi Centre for Biotechnology, Thycaud P.O., Thiruvananthapuram 695014; Res. Sarada Bhavanam, K.P VIII/110, Darsan Nagar, Peroorkada, Thiruvananthapuram 695005; Tel. 09995199993, 09207750099(M); Email: mrpillai@gmail.com, professorpillai@gmail.com; Sp. Cancer Biology and Virology.
- 2007 PODILE, Appa Rao (b. 1960) PhD, FNA, FASc, FNAAS, FAMI, JC Bose National Fellow, Senior Professor & Former Vice Chancellor, University of Hyderabad, Hyderabad 500046; Tel. (040) 23134503(O), 09100655777, 09490749922(M); Email: podilerao@gmail.com; Sp. Molecular Plant Microbe Interactions/Microbial Biotechnology in Agriculture.

2012 **POLUMETLA, Ananda Kumar** (b. 1955) PhD,FNAAS,FAvHS, Emeritus Scientist, ICAR-Indian Institute of Rice Research, Rajendra Nagar, Hyderabad - 500030; Tel. (040) 24591343(O), 09701032323(M); Email : polumetla@hotmail.com, ananda. polumetla@icar.gov.in; Sp. **Plant Molecular Biology/Plant Biotechnology.** 

2020 POLSHETTIWAR, Vivek (b. 1979) PhD, FRSC, FMASc, Professor, Department of Chemical Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai - 400005; Res. 108, Bhaskara, TIFR Colony, Navy Nagar, Colaba, Mumbai - 400005; Tel. (022) 22782792(O), 08452886656(M); Email: polshettiwar@gmail.com; vivekpol@tifr.res.in; Sp. Nanocatalysis/Climate Change/Solar Energy.

2005 PONNUSAMY, Saminathan (b. 1960) PhD, Associate Professor, Department of Mathematics, Indian Institute of Technology Madras, Chennai - 600036; Res. D25/56, Adyar Avenue, Indian Institute of Technology Madras, Chennai - 600036; Tel. (044) 22574615(O), 22576615, 22570298(R); Fax: 22574602, 22570509; Email: samy@iitm.ac.in; Sp. Complex Analysis/ Special Functions/Function Spaces.

1988 POWAR, Krishnapratap Bhagwantrao (b. 1937) PhD, Formerly Vice-Chancellor, Shivaji University, Kolhapur; Formerly Secretary General, Association of Indian Universities; Res. 15, Marvel Memories, Ramnagar Colony, Bavdhan, Pune - 411021; Tel. (020) 66768931(R), 09890668575(M); Email: kb\_powar@yahoo.co.in, kbpowar@hotmail.com; kbpowar@gmail.com Sp. Petrology/Tectonics/ Environmental Geology.

PRABHU, Kumble Vinod (b. 1958) PhD, FNAAS, Chairperson, Protection of Plant Varieties and Farmers' Rights Authority, Ministry of Agriculture, GOI, New Delhi - 110012; Res. B-7, Pusa Campus, IARI, New Delhi - 110012; Tel. (011) 25848127, 25841696(O), 09899023566(M); Fax: 25840478; Email: chairperson-ppvfra@nic.in; Sp. Plant Breeding & Genetics/ Molecular Breeding/Genomics.

PRADEEP, Thalappil (b. 1963) PhD, FNA, FASc, FNAE, FRSC, FTWAS, FAAAS, FAS, Institute Professor, Deepak Parekh Institute Chair Professor & Professor of Chemistry, HSB 148, DST Unit of Nanosci., Department of Chemistry, Indian Institute of Technology Madras, Chennai - 600036; Res. Flat No. 7D, ASV Jayantika, No. 164 Velachery Main Road, Chennai - 600042; Tel. (044) 22574208(O), Email: pradeep@iitm.ac.in; Sp. Molecular & Nanoscale Materials/Nanoscience & Nanotechnology/Water Purification, Instrumentation.

2010 PRADHAN, Akshay Kumar (b. 1956) PhD, FNA, FNAAS, Professor, Department of Genetics, University of Delhi South Campus, Benito Juarez Road, New Delhi - 110021; Res. 1052, Joy Apartment, Sector 2, Plot No. 2, Dwarka, New Delhi - 110075; Tel. (011) 24112322(O), 09871748739(M); Fax: 24112761; Email: pradhancgmcp@gmail.com; Sp. Plant Genetics/Plant Breeding/Plant Biotechnology.

2016 PRADHAN, Ashok Kumar (b. 1967) PhD, FNAE, Professor, Electrical Engineering Dept., Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. B-199, IIT Kharagpur Campus, Kharagpur - 721302; Tel. (03222) 283098(O), 283099(R); Fax: 282262; Email: akpradhan@ee.iitkgp.ac.in; Sp. Power System/Electric Energy System/Smart Grid Technology.

2003 PRADHAN, Sunil (b. 1957) MD, DM, FICP, FAMS., FRCP(Edin), DSc(Hon), Professor & Head, Department of Neurology, Sanjay Gandhi PGI Medical Sciences, Lucknow - 226014; Res. Type V/A-1, Doctors Colony, Sanjay Gandhi PGIMS, Lucknow-226014; Tel. (0522) 2494170 Ext.2170(O), 2668700 Ext. 41171(R); Fax: 2668017; Email: drspradhan@rediffmail.com; Sp. Neuromuscular Diseases/Clinical Neurophysiology/Infections of the Nervous Systems.

1993 PRAKASA RAO, Bhagavatula Lakshmi Surya (b.1942) PhD, FNA, FASc, FAPAS, Fellow, IMS, USA; INSA Honorary Scientist, CR Rao Advanced Institute of Mathematics, Statistics and Computer Science, University of Hyderabad Campus, Hyderabad – 500046; Professor Emeritus & Former Director, Indian Statistical Institute, Kolkata; Res. Apt. 510, House No. 1-1-770/A, Vishnu Residency C Block, Gandhinagar, Hyderabad -500080; Tel. 09949185041(M); Email: blsprao@gmail.com; Sp. Statistics.

2014 PRAKASH, Anil (b. 1958) PhD, Scientist G, National Institute for Research in Environmental Health, Kamla Nehru Hospital Building, Gandhi Medical College Campus, Bhopal - 462001; Tel. (0755) 2533976; Fax: 2533976; Email: prakasha@icmr.org.in; anilprakash@yahoo.co.in; Sp. Malaria Vector Biology & Control and Epidemiology.

2013 PRAKASH, Balaji (b. 1968) PhD, Associate Dean, Sciences & Professor, Division of Biological and Life Sciences, School of Arts & Sciences, Ahmedabad University, Navrangpura, Ahmedabad - 380009; Tel. 09632055994(M); Email: bprakashiit@gmail.com; balaji.prakash@ahduni.edu.in; Sp. Structural Biology/Biochemistry.

2012 PRAKASH, Bukkaraya Samudram (b. 1956) PhD, FNAAS, FNADS, Former ADG (ANP), ICAR, New Delhi; Res. 55A Chaman Garden, Karnal – 132001; Tel. 09999979013(M); Email: bsp1001@rediffmail.com; bsprakash1001@gmail.com; Sp. Reproductive Physiology/Endocrinology.

1990 PRAKASH, Satya (b. 1929) PhD,FNA, FASc, Formerly Senior Professor, PRL, Ahmedabad; Res. 395, Saraswati Nagar, Near Azad Society, Ahmedabad-380 015; Tel. (079) 26741823(R), 09429205470(M); Email: sprakash\_prl@yahoo.com; Sp. Aeronomy/Space Physics.

PRAKASH, Vishweshwaraiah (b.1951) PhD, FASc,FNAAS, FNAE, FRSC, FAFST(I), FIFT, CFS, Former Director of CFTRI, Mysore and Distinguished Scientist, CSIR; Res. No. 58, 5A Main, Vontikoppal, Mysore - 570002; Tel. 09845048854(M); Email: prakashvish@gmail.com; Sp. Protein Biophysical Chemistry/Food and Nutritional Sciences, Chemistry of Food and Thermodynamics, Food Biotechnology, Nutraceuticals and Nutritionals, and Food Safety Policy & Regulatory Papers and, Societal Outreach Programs.

2016 PRAKASHKUMAR, Raveendran Pillai (b. 1962) PhD, FLS, FBS, FNABS, Director, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, KSCSTE-JNTBGRI, Palode, Thiruvananthapuram – 695562, Kerala; Res. Gowreesham, House No. 217, Adarsh Nagar, Thekkumoodu, Pattom, Thiruvananthapuram - 695004; Tel. (0471) 2331039(R), 09446556113(M); Email : director@jntbgri.res.in; rprak62@gmail.com; Sp. Plant Biodiversity Conservation/S&T Management.

PRAMANIK, Ashutosh (b. 1935) PhD, FNAE, CMath, FIMA(UK), C.Eng., FIE, FIETE; Professor Emeritus, Department of Electrical Engineering, College of Engineering, Shivaji Nagar, Pune – 411005; Formerly Sr. Dy.Gen.Mgr., BHEL, R&D Division, Hyderabad; Res. Flat No. 48, Aranyeshwar Park (Block B), Sahakar Nagar, Pune; Tel. (020) 25507122(O), 350844(R); Email: ashu.pramanik@gmail.com; ; ap.elec@coep. ac.in; Sp. Electromagnetism /Partial Differential Equation's in Engineering.

1973 **PRASAD, Braj Nandan** PhD(Lond.), FBS,FPSI, FPbS, FLS (Lond.), Formerly Professor of Botany, Lucknow University, Res. B-161/A, Nirala Nagar,Lucknow-226020; Tel. (0522) 2789928(R);

- 1997 PRASAD, Dipendra (b.1960) PhD (Harvard), FNA, FASc, FTWAS, Professor, Indian Institute of Technology Bombay, Powai, Mumbai 400076; Tel. 09930988824(M); Email : prasad. dipendra@gmail. com; Sp. Automorphic Representations. Council : Mem. 2001
- PRASAD, Manoj (b. 1970) PhD,FNAAS,FNA,Staff Scientist-VII & JC Bose National Fellow, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, JNU Campus, New Delhi 110067; Res. H-VB-DI-003, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, JNU Campus, New Delhi-110067; Tel.(011) 26735160(O), 26735147(R); Fax: 26741658; Email: manoj\_prasad@nipgr.ac.in; manoj\_pds@yahoo.com; Sp. Plant Genetics & Genomics/Plant Molecular Biology/Biotic & Abiotic Stress Responses/Molecular Breedings.
- 1988 PRASAD, Om (b. 1937) D.Phil., Formerly Professor, Zoology Dept., Allahabad University, Prayagraj; Res. 79, Balrampur House, Prayagraj - 211002; Tel. (0532) 2642795(R); Sp. Neuroendocrinology/Mammalian Toxicology. Council: G.S. 93-96 F.S. Jan 97-July 97 Mem. 92
- 1976 PRASAD, Phoolan (b.1944) PhD,FNA,FASc, Formerly NASI Senior Scientist; Mathematics Department, Indian Institute of Science, Bangalore-560012; Res. 927-928, 7th Cross, HMT Layout, Mathikere P.O., Bangalore-560054; Tel. (080) 22932711, 23371039(R),09448461299(M); Fax:23600146; Email: phoolan. prasad@gmail.com; prasadp@alumni.iisc.ac.in; Sp. Partial Differential Equations/Fluid Dynamics/Nonlinear Waves.
- 1991 PRASAD, Rajendra (b. 1936) PhD(Mississippi State), FNA, FNAAS, Formerly ICAR National Professor and Adjunct Faculty, Division of Agronomy, Indian Agricultural Research Institute, New Delhi; Res. 6695 Meghan Rose Way, East Amherst, NY 14051, USA; Tel. 001-716-868-1540(M); Email: rajuma36@ gmail.com; Sp. Soil Fertility and Fertilizer Use/Cropping Systems/ Sustainable Agriculture Agronomy.

PRASAD, Rajendra (b.1947) PhD, FNA, FASc, Director, Amity Institute of Integrative Sciences and Health & Amity Institute of Biotechnology, Dean, Faculty of Science, Engineering & Technology, Amity University, Amity Education Valley, Gurgaon- 122413; Res. D-2/002 The Legend, Sector 57, Sushant Lok Phase III, Gurgaon - 122001; Tel. (0124) 2337015 Ext. 1111(O), 2573443(R), 09810974443(M); Email: rp47jnu@gmail.com; rprasad@ggn.amity.edu; Sp. Membrane Biology/Fungal Genetics/Drug Resistance.

- 2006 PRASAD, Rajendra (b. 1951) PhD, Formerly Professor & Head of Physics, IIT Kanpur; Res. D-402, Doon Trafalgar, Near IT Park, Dhoran Road, Dehradun – 248001; Email: rprasad@iitk.ac.in; Sp. Condensed Matter Physics.
- PRASAD, Rameshwar (b. 1936) D.Phil., D.Sc., FNACB(USA), FACS(USA), Professor of Pathology & Director of Graduate Studies, University of Illinois at Chicago, College of Medicine, 1819, West Polk St., Room 446, Chicago, IL 60612-7335, USA; Res. 190, Tecumseh, Bolingbrook, IL 60490-5565, USA; Tel. (312) 996-7182(O), (630) 378-4178; Fax: (312) 996-7586; Email: rprasad@uic.edu; Website: uic pathology; Sp. Chemical Pathology.
- PRASAD, Sheo Mohan (b. 1959) PhD, Professor, Ranjan Plant Physiology & Biochemistry Lab, Department of Botany, University of Allahabad, Prayagraj 211002; Res. Flat No. 304, Sonal Apartment, 36 AN Jha Marg, Block A, George Town, Prayagraj 211002; Tel. 09450609911, 08318012696(M); Email: profsmprasad@gmail.com; sheomohanp@yahoo.co.in; Sp. Physiology & Biochemistry of Plants & Cyanobacteria/Oxidative Stress/Role of Molecules in Cell Signaling.
- PRASAD, Surendra (b. 1948) PhD,FNA, FASc, FNAE, Former Professor of Electrical Engineering & Former Director, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016; Res. D2-203, Parsvnath Exotica, Golf Course Road, Sector 53, Gurgaon, Haryana 122011; Tel. (011) 26596201(O), 26582022, 26591801(R), 09810350517(M); Fax: 26582659; Email: sprasad@ee.iitd.ernet.in; Sp. Singal Processing & Communication.
- 1995 **PRASADA RAO, Palle Deva** (b. 1941) PhD, FNA, Formerly Professor & Head of Zoology, Nagpur University; INSA Senior Scientist, CSIR-NEERI, Nagpur; Res. C-4, Olive Apartments, 6/13 Brodipet, Guntur, AP 522002; Tel. 09423632159(M); Email: prasadraopd99@gmail.com; Sp. **Neuro-endocrinology/Neurobiology/Fisheries.**
- 2016 PRATAP, Rudra (b. 1964) PhD, FNAE, Vice-Chancellor, Plaksha University, IT City, Sector 101A, SAS Nagar, Mohali, Punjab 140306. Res. G-504 JLPL Falcon View, Sector 66A, Mohali, Punjab 160055. Tel: (0172) 4126409(O), 09141201213(M), Email: vc@plaksha.edu.in; Sp. MEMS and NEMS Sensors/Vibrations and Acoustics Mechanobiology.

2008 **PRAVEEN, Shelly** PhD, Principal Scientist, Plant Virology Unit, Division of Plant Pathology, Indian Agricultural Research Institute, New Delhi - 110012; Res. B-36, Samrat Ashok Apartments, Sector-9, Rohini, Delhi; Tel. (011) 25843474(O), 27860026(R); Fax: 25846420; Email: shellypraveen@hotmail.com; shellypraveen@iari.res.in; Sp. **Biochemistry/Biotechnology/Molecular Plant Virology.** 

PRIYADARSINI, Kavirayani Indira (b. 1959) PhD, FRSC, Former Head, Chemistry Division, BARC, Mumbai; UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Vidyanagari Campus, Santacruz (E), Mumbai - 400098; Res. E-803, Runwal Centre, Govandi Road, Deonar, Mumbai - 400088; Tel. 09869017209(M); Email: k.indira@cbs.ac.in; indirapriyadar sini08@gmail.com; Sp. Biophysical Chemistry/Free Radical Chemistry of Antioxidants/Radioprotectors/Anti-Cancer Drug Formulations.

2018 PUNNIYAMURTHY, Tharmalingam (b. 1964), PhD, FNA, FASc, FRSC, Dean of Faculty Affairs and Professor of Chemistry, Indian Institute of Technology Guwahati, Guwahati - 781039; Res. F-55, IIT Guwahati, Guwahati - 781039; Tel. (0361) 2582309(O), 2584309(R), 09435102462(M); Email : tpunni@iitg.ac.in; Sp. Synthetic Organic Chemistry.

PURI, Chander Parkash (b. 1947) PhD, FAMS, Pro Vice Chancellor, MGM Institute of Health Sciences, (Deemed University), Kamothe, Navi Mumbai – 410209; Former CEO, Yashraj Biotechnology Ltd., Navi Mumbai; Former Director, NIRRH, Mumbai; Res. Shreejee Heights, Flat No. 1003, B-Wing, Sector 46-A, Nerul, Navi Mumbai - 400706; Tel. (022) 27616678, 27686226(O), 09820214802(M); Fax. 27686087; Email: chander.puri@rediffmail.com; Website: www.mgmuhs. com; Sp. Reproductive Physiology.

PURI, Sunil Kumar (b. 1954) PhD, Chief Scientist G, Central Drug Research Institute, Lucknow - 226031; Res. A-703, Lorepur Residency Apartment, New Hyderabad, Lucknow - 226007; Tel. (0522) 2771940(O), 2781811(R), 09919566792(M); Fax : 2771941; Email : sk\_puri@cdri.res.in; skpuricdri@yahoo.co.in; Sp. Parasitology/Malaria Drug Discovery.

PUROHIT, Aditya Narain (b. 1940) PhD, FNA, FNAAS, Formerly Vice-Chancellor, HNB Garhwal Univ.; Res. 'Almi Anchal", 181/1 Dobhalwala, Dehra Dun - 248001; Tel. (0135) 2713219, 09412058572(M); Email: adityapurohit19@gmail.com; Sp. Environmental Plant Physiology/Mountain Ecology/ Physiology of Medicinal Plants.

Award: SICO-National Academy of Sciences, India Award in Environmental Sciences (1992).

Council: Mem. 98

1996

PUSHPANGADAN, Palpu (b. 1944) PhD, FES, FNSE, FNAAS, FIAT, FISNS, FRSC (UK), Former Director General, Amity Institute for Herbal and Biotech Products Development; Res. 'Sreesailam', VRA 179, Mannamoola, Peroorkada PO, Trivandrum – 695005; Kerala; Tel. 09895066816, 09447678772 (M); Email: palpuprakulam@yahoo.co.in; aihpbd@gmail.com; Sp. Biodiversity/Biotechnology/Ethnopharmacology.

QADRI, Ayub (b. 1960) PhD, Staff Scientist, Hybridoma Laboratory, National Institute of Immunology, AAA Marg, JNU Campus, New Delhi - 110067; Res. L-4, National Institute of Immunology, AAA Marg, New Delhi - 110067; Tel. (011) 26703733(O), 26741158(R);Fax:26742125; Email:ayub@nii.ac.in; qadriayub@gmail.com; Sp. Immunology/Microbiology/ Biochemistry.

2010 RADHAKRISHNAN, Koppillil (b. 1949) PhD, DSc(hc), Hon.FIE, Hon.FIETE,FNAE,MIAA,FAPAS, FKAS, FISRS, FIGU, Formerly Secretary to the GOI, Department of Space; Chairman, Space Commission and Chairman, ISRO; Res. 3D, Atria Tower, Aquila Heights, HMT Factory Main Road, Jalahalli, Bengaluru - 560013; Tel. (080) 67179370(R), 09008882200(M); Email: radhakr272@gmail.com; k\_radhakrishnan@isro.gov.in; Sp. Space Technology/Space Applications/Space Programme Management.

2012 RADHAKRISHNAN, Thavarool P. (b. 1960) PhD,FASc,FNA, Professor of Chemistry, School of Chemistry, University of Hyderabad, Hyderabad - 500046; Res. A-308, Aparna Cyber Commune, Nallagandla, Hyderabad - 500019; Tel. (040) 23134827(O), Email: tpr@uohyd.ac.in, Sp. Materials Chemistry.

2004 RAGHAVA, Gajendra Pal Singh (b. 1963) PhD, FASc, Professor, Indraprastha Institute of Information Technology (IIIT), Okhla Phase 3, Delhi – 110020; Res. 103, IIIT, Okhla Phase 3, Delhi – 110020; Tel. (0172) 26907444(O), 26907634(R); Fax: 26907410; Email: raghava@iiitd.ac.in; Sp. Bioinformatics.

2016 RAGHAVAN, Komaranapuram Navaneetham (b. 1964) PhD, FASc, Professor I, Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai - 600113; Res. New 14/Old 31 Arimuthu Achari Street, Triplicane, Chennai - 600005; Tel. (044) 22543264, 22543100(O), 28441505(R), 09445631505(M); Fax: 22541586; Email: knr@imsc.res.in; knr.imsc@gmail.com; Sp. Representation Theory of Groups and Algebras.

2013 RAGHAVAN, Sathees Chukkirumbal (b. 1970) PhD, FNA, FASc, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore - 560012; Res. E25, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22932674(O), 09731017736(M); Email : sathees@iisc.ac.in; Sp. DNA Repair/Cancer Biology/Genomic Instability.

1996 RAGHAVENDRA, Agepati Srinivasa (b. 1950) PhD, FNA, FASc, FNAAS, FTWAS, Professor, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Hyderabad - 500046; Res. Flat No. M-1701, Aparna Sarovar, Nallagandla, Gachibowli, Hyderabad - 500046; Tel. (040) 29881003, 23134555(O), 48514460(R), 09849107190(M); Fax: 23010120; Email: asrsl@uohyd.ernet.in, as\_raghavendra@yahoo.com; asrsls@gmail.com; Sp. Plant Biochemistry/Molecular Plant Physiology/Plant Molecular Biology.

Council: Mem. 2016-17

2015 RAGHUBANSHI, Akhilesh Singh (b. 1963) PhD, Professor, Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi - 221005; Res. N4/11 A-2B, Rajiv Nagar, Karaundi, Varanasi - 221005; Tel. (0542) 2575671(R), 09919240241(M); Email : raghubanshi@outlook.com; Sp. Integrative Ecology/Forest Ecology/Restoration Ecology.

2004 RAGHUBIR, Ram (b. 1950) MVSc, PhD, FIPS, FIANSc, Dy. Director & Head, Division of Pharmacology, Central Drug Research Institute, Chattar Manzil Palace, POB-173, Lucknow - 226001; Res. Sector 21/440, Indiranagar, Lucknow - 226001; Tel. (0522) 2625046(O), 2715377(R); Fax: 2623405; Email: raghubirrs@rediffmail.com; Sp. Neuropharmacology/Cardiovascular Pharmacology/Cerebral Stroke.

1989 RAGHUNATHAN, Madabusi Santanam (b. 1941) PhD, FNA, FASc, FTWAS, FRS, Distinguished Visiting Professor, MU-DAE Centre for Excellence in Basic Sciences, Mumba; Former Professor of Eminence, TIFR, Mumbai; Res. 503, Atlantis, Raheja Acropolis-1, Deonar Pada Road, Chembur, Mumbai - 400088; Tel. (022) 25504766(R), 09869013889(M); Email: madabusisr@gmail.com; Sp. Lie Groups & Algebraic Groups.

2014 RAHA, Sanghamitra (b. 1952) Dr.rer.Physiol.(Germany), Former Professor, Visva-Bharati & Saha Institute of Nuclear Physics; Res. PJR Countrywalk, Flat 101, 2975 Nayabad Road, Kolkata - 700094; Tel. 09903953472, 09830014393(M); Email: srr1987@gmail.com; Sp.Cell Biology/Signal Transduction.

2012 RAHA, Sibaji (b. 1954) PhD, Former Director, Bose Institute; Raja Ramanna Fellow (DAE), Bose Institute (Unified Academic Campus), EN-80, Sector – V, Salt Lake, Kolkata – 700091; Res. Apt. 101, PJR Countrywalk Apts., 2975, Buderhat Nayabad Road, Panchasayar, Kolkata – 700094; Tel. (033) 25693131(O), 09903953472, 09432649834, 09830150222(M); Fax : 25693127; Email : sibajiraha@gmail.com; sibaji.raha@jcbose. ac.in; Sp. High Energy Physics/ Astrophysics/ Atmospheric Physics.

Council : (As the nominee of the Secretary, DST, GOI) Mem. 2014-2020

2001 RAHMAN, Qamar (b. 1943) PhD, Emeritus Scientist, Industrial Toxicology Research Centre, Post Box 80, M.G. Marg, Lucknow- 226001; Res. 3, Gulzar Colony, Clyde Road, Lucknow - 226001; Tel. (0522) 2227586 Ext. 315(O), 2208245(R); Fax: 2228227; Email: qamar\_15@sify.com; Sp. Pulmonary Diseases - Toxicology.

2022 RAICHUR, Ashok M. (b. 1966) PhD, FNAE, FRSC, Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore - 560012; Res. T19-103, L&T Raintree Boulevard, Bellary Road, Bangalore - 560092; Tel. (080) 22933238(O), 09449063238(M); Email : amr@iisc.ac.in; ashok.raichur@gmail.com; Sp. Biomaterials/Drug Delivery/Tissue Engineering.

1994 RAINA, Soom Nath (b. 1943) PhD, Formerly NASI Senior Scientist, Amity Institute of Biotechnology, Amity University, Sector 125, Noida - 201303; Tel. 09818978323(M); Email: soomr@yahoo.com; Sp. Cellular & Molecular Cytogenetics/Molecular Biology.

2010 RAI, Ashwani Kumar (b. 1948) PhD, FNAAS, FBRSI, BHU Distinguished Professor, Department of Botany, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. N1/65B-18, Shiva Prasad Gupt Colony, Samne Ghat Road, Nagwa, Varanasi - 221005; Tel. (0542) 2366514(R), 09540867006(M); Email : akrai.bhu@gmail.com; Sp. Physiology and Biochemistry of Cyanobacteria/Nitrogen Nutrition/Salt Stress and Adaptive Responses.

RAI, Karamjit S. (b. 1931) PhD, Professor Emeritus of Biological Sciences, University of Notre Dame, Notre Dame, Indiana, USA; Honorary Professor, School of Life Sciences, Guru Nanak Dev University, Amritsar; Res. 2 Jaswant Singh Rai Nagar, Salempur Musalmana, P.O. Randhawa Masandan, Jalandhar, Punjab; Tel. (0181) 2601367(R); Email: karamjitsrai@gmail. com; Sp. Genetics of Mosquitoes/Genome Evolution/Disease Control.

Council: Mem. 2001-02

1995 RAI, LaI Chand (b.1950) PhD, FNA, FNAAS, BHU Distinguished Professor, DAE Raja Ramanna Fellow & JC Bose National Fellow, Formerly Head & Coordinator, CAS in Botany, Institute of Science, BHU, Varanasi - 221005; Res. B30/40 27-28, Orthocity, Mani Niketan, Madhav Market, Lanka, Varanasi - 221005; Tel. (0542) 6701110(O), 2367520(R), 09415225821 (M); Fax:2368174; Email: Icrbhu15@gmail.com; Icrai@bhu.ac. in; Sp. Environmental Phycology/Cyanobacterial Proteomics and Genomics/Abiotic Stresses.

Council: V.P. 2019-20

Awards: Professor R.N. Tandon Memorial Lecture Award, NASI; Shri Ranjan Memorial Lecture Award, NASI

1973 RAI, Phulena (b. 1928) PhD, FISVM, FISAAP, Formerly Professor & Head, Veterinary Medicine, CSA University of Agriculture Science, Veterinary College, Mathura; Res. 18/453, Indira Nagar, Lucknow - 226016; Tel. (0522) 2347122(R); Sp. Veterinary Medicine/ Parasitology/Helmenthology.

2005 RAI, Shyam Sundar (b. 1954) PhD, FASc, FNA, DAE-Raja Ramanna Fellow and Emeritus Professor, Department of Earth and Climate Science, Indian Institute of Science Education & Research Pune, Dr. Homi Bhabha Road, Pashan, Pune - 411008; Tel. (020) 25908255(O), 09890322705(M); Fax: 25865315; Email: shyamsrai@iiserpune.ac.in; shyamsrai@

gmail.com; Sp. Geophysics, Seismology.

2008 RAI, Umesh (b.1959) PhD, Professor, Department of Zoology, University of Delhi, Delhi - 110007; Res. A-1, 29-31, Probyn Road, Chhatra Marg, University of Delhi, North Campus, Delhi - 110007; Tel. (011) 27666389(O), 09560266399(M); Email: rai\_u@rediffmail.com; Sp. Immuno-endocrinology and Reproductive Physiology.

1992 RAJAGOPAL, Erode Subramanian (b. 1936) PhD, DSc(hc) FNA, FASc, Emeritus Scientist, Physics Department, Indian Institute of Science, Bangalore - 560 012; Formerly Director, N.P.L., New Delhi; Res. 100/1, XI Cross, 7th Main Corner, Malleswaram, Bangalore - 560 003; Tel. (080) 22932529(O), 23347449(R), 09880093745(M); Fax: 23602602, 23600683, 23600085; Email: esrgopal@iisc.ac.in; Sp. Condensed Matter Physics/Instrumentation.

Council: Mem. 94

1989 RAJAGURU, Sharad Narhar (b. 1933) PhD, Formerly Jt. Director and Professor of Geoarchaeology, Deccan College, Pune-411006; Res. 567, Narayan Peth, Kamal Sudha Apt., Pune -411 030; Tel. (020) 2445573(R), 09623559022(M); Email: gurukru\_msr@rediffmail.com; Sp. Quaternary Geology/Prehistoric - Environment, particularly of W. India.

2007 RAJAM, Manchikatla Venkat (b. 1955) PhD, FNA, FNAAS, FTAS, Formerly Professor & UGC BSR Faculty Fellow, Department of Genetics, University of Delhi South Campus, Benito Juarez Road, New Delhi; Res. Flat No. B8, Ganesh Apartments, KLN Reddy Colony, Circuit House Road, Hanamkonda, Warangal – 506001; Telangana; Tel. 09818108515(M); Email: rajam.mv@gmail.com; Sp. RNAi/Plant Biotechnology/Genetic Engineering & Polyamine Biology.

2009 RAJAN, Balaji Sundar (b. 1958) PhD, FNA, FINAE, INAE Chair Professor, Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore - 560012; Res. E-19, New Housing Colony, I.I.Sc. Bangalore Campus, Bangalore - 560012; Tel. (080) 22932254(O), 23602085(R), 09845988753(M); Fax: 23600563; Email: bsrajan@ece.iisc. ernet.in; bsrajanb@yahoo.com; Sp. Wireless Communication/Coding Theory/Communication Theory.

1990 **RAJARAM**, **Sanjaya** (b. 1943) PhD, Director, Wheat Program, CIMMYT, Apartado Postal 6-641, Mexico 06600DF, Mexcio; Tel. 52-55-58042004; Fax: 52-55-58042004; Email: s.rajaram @cgiar.org; Sp. **Plant Breeding.** 

1990 RAJARAMAN, Vaidyeswaran (b. 1933) PhD, DSc(hc) FNA, FASc, FNAE, Hon. Professor, Supercomputer Education & Research Centre, Indian Institute of Science, Bangalore-560 012; Res. 140, 6th Main, 6th Cross Road, JRD Tata Nagar, Near Kodigehalli, Bangalore-560092; Tel.(080) 23600805, 23600811, 22932532(O), 23419672(R); Fax: 23600805; Email: rajaram@iisc.ac.in; rajaraman.v37@gmail.com; Sp.Computer Science.

1991 RAJASEKARAN, Guruswamy (b. 1936) PhD(Chicago), FNA, FASc, Professor Emeritus, Institute of Mathematical Sciences, Taramani, Chennai - 600113; Res. 20, XI, Cross Street, Indira Nagar, Chennai - 600020; Tel. (044) 22541856(O), 24413395(R); Fax: 22541586; Email: graj@imsc.res.in; Sp. Quantum Field Theory/High Energy Physics.

2005 RAJASEKHARAN, Ram (b. 1960) PhD, FNA, FASc, FNAAS, Director, CSIR-Central Food Technological Research Institute, Mysore - 570020; Tel. (0821) 2517760(O), 09483521260(M); Fax: 2516308; Email : director@cftri.com; ram@cftri.com; Sp. Lipid Metabolism.

2020 RAJE, Manoj (b. 1962) PhD, Chief Scientist & Professor, Academy of Scientific and Innovative Research, Institute of Microbial Technology, Sector 39A, Chandigarh - 160036; Res. #E2, IMTECH Housing, IMTECH, Sector 39A, Chandigarh-160036; Tel. (0172) 2880198(O), 2880502(R), 09872662267(M); Fax: 6665232; Email: manoj@imtech.res.in; Sp. Biophysics/Cell Biology/Infectious Diseases/High Resolution Imaging.

2016 RAJEEVAN, Madhavan Nair (b. 1961) PhD, FASc, FNA, Distinguished Scientist, National Centre for Earth Science Studies, MoES, Aakkulam, Thiruvananthapuram – 695011; Former Secretary, Gol, MoES; Tel. 08505902700(M); Email: madhavanrajeevan@gmail.com; rajeevan61@yahoo.co.in; Sp. Climate/Monsoons.

1997 RAJPUROHIT, Lal Singh (b.1960) PhD, FCEC(Germany), FIAES, Former Professor & Head, Department of Zoology, Faculty of Science, JNV University, Jodhpur; Res. 'PREMGANGA', C-43, Sarswatinagar, Basni-1st, Jodhpur - 342005; Tel. (0291) 2720147(R), 09414145247(M); Email: drlsrajpurohit@yahoo.in; Sp. Animal Behaviour (Primate in Particular), Ecology - Wildlife Conservation (Environmental Biology).

1996 **RAJWADE, Anant Ramchandra** (b. 1939) PhD(Cantab) Professor, CAStudy in Mathematics, Panjab University, Chandigarh-160014;Res. H.No. 138, Sector 8A, Chandigarh - 160009; Tel. (0172) 2548139(R);Sp. **Algebraic Theory of Numbers.** 

2008 RAKA, Madhu (b.1953) PhD, Professor, NASI Senior Scientist, Department of Mathematics, Panjab University, Chandigarh - 160014; Res. House No.1040, Sector 15B, Chandigarh - 160015; Tel. (0172) 2534520(O), 4639677(R), 09872989234 (M); Email: mraka@pu.ac.in; Sp. Number Theory/Algebraic Coding Theory.

2023 RAKSHIT, Sujay (b. 1970) PhD,FNAAS, Director, ICAR-Indian Institute of Agricultural Biotechnology, Garkhatanga, Ranchi - 834003; Res. Flat No.402, Devsheela Kunj, North Office Para, Doranda, Ranchi - 834002; Tel. 09264448797, 09492430207(M); Email : s.rakshit@icar.gov.in; sujay.dmr@gmail.com; Sp. Genetics/Genomics Assisted Crop Improvement/Biotechnology.

2000 RAM, Ávadh (b. 1943) PhD (Canada), FAEG, FIGU, Formerly Vice-Chancellor, Mahatma Gandhi Kashi Vidyapith, Varanasi - 211002; Former Professor & Head of Geophysics and Dean of Students, Banaras Hindu University, Varanasi; Res. 1/110, Viram Khand, Gomti Nagar, Lucknow - 226010;Tel. (0522) 2396342(R), 09415290129(M); Email: profavadhram@yahoo. com, profavadhram@gmail.com; Sp. Geophysics (Exploration Geophysics, Seismology and Digital Data Processing).

2012 RAMACHANDRA, Reddy Attipalli (b. 1952) PhD, FAPAS, Vice Chancellor, Yogi Vemana University, Kadapa - 516005; Res. Apt # 1503, A-Block, Aparna Sarovar, Nallagandla, Hyderabad - 500046; Tel. (08562) 225411/400(O), (040) 67768566(R); Fax: 225423; Email: vc@yogivemanauniversity.ac.in; attipalli.reddy @gmail.com; Sp. Climate Change and Photosynthesis/Biofuels.

1987 RAMACHANDRAN, R. (b. 1940) PhD, FASc, Senior Professor & Formerly Director, The Institute of Mathematical Sciences, Taramani, Chennai-600113 and IIT Kanpur; Res. 44, Gopalpuram, IIT Co-op Hsng Society, Kanpur – 208016; Tel. 09422004597(M); Email: rr\_1940@yahoo.co.in, rr@imsc.res.in; Sp. Particle Physics/Field Theory.

1989 RAMACHANDRAN, S. (b. 1934) PhD, Formerly Secretary, Govt. of India, Department of Biotechnology; Res. C-1/10 Lodi Gardens, New Delhi - 110003; Tel. (011) 2619887(R); Sp. Microbial Biochemistry.

2003 RAMACHANDRÁN, Vilayanur Subramanian, M.D., PhD, D.Sc.(h.c.), Professor, Neurosciences Programme & Dept.of Physiology, Director, Centre for Brain and Cognition, Univ.of California at San Diego; Adjunct Professor of Biology, Salk Institute, La Jolla, California;

2016 RAMAIAH, Danaboyina (b. 1958) PhD, FASc, FAPSc, FNESc, BK Birla & Sarala Birla Chair Professor, Former Director, CSIR-North East Institute of Science & Technology, Department of Chemistry, Birla Institute of Technology & Science Pilani, Hyderabad Campus, Medchal District, Hyderabad - 500078; Tel. (040) 66303745(O), 09435499986(M); Email: rama@neist. res.in; d.ramaiah@gmail.com; rama@hyderabad.bits-pilani. ac.in; Sp. Bio-Organic Chemistry/Bio-Physical Chemistry/Organic Photochemistry.

2021 RAMAKRISHNA, Subramaniam Anantha (b. 1972) PhD, FIETE, Director, CSIR-Central Scientific Instruments Organization, Sector 30C, Chandigarh-160030; Res. Director's Residence, CSIR-Central Scientific Instruments Organization, Sector 30C, Chandigarh-160030; Tel. (0172) 2657190(O), 2659114(R), 09651777666(M); Fax: 2657267; Email: director@csio.res.in; anantha@csio.res.in; sar@iitk.ac.in; Sp. Applied Physics/Optics (Classical and Quantum)/Micro, Nanostructured Materials.

1972 RAMAKRISHNAN, P.S. (b. 1936) PhD,FNA,FASc,FNAAS, FTWAS, INSA Hon. Scientist, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. I-21, South City Phase I, Gurgaon - 122001; Tel. (011) 26704326(O), (0124) 4085970(R), 09958514140(M); Fax: 26741262; Email: psr@mail.jnu.ac.in, krishnanpoonam@gmail.com; Sp. Ecology/ Sustainable Development.

Award: SICO-National Academy of Sciences, India Award in Environmental Sciences (1986).

1988 RAMAKRISHNAN, Tiruppattur V. (b. 1941) PhD(Columbia), FNA, FASc, FTWAS, FRS, Distinguished Associate, Department of Physics, Indian Institute of Science, Bangalore - 560012; Emeritus Professor, Department of Physics, Banaras Hindu University, Varanasi - 221005; Tel. (080) 23600228(O), 09448363379(M); Email: tvrama2002@yahoo.co.in; tvrama@iisc.ac. in; Sp. Condensed Matter Physics.

Award: Prof. MN Saha Mem.Lect.Award-Nat.Acad.Sci.India (2001).

1972 RAMAMOORTHY, Bharatula (b. 1913) DPhil, Emeritus Scientist; Res. DDA/MIG Flat No. 89-C, Rajouri Garden, New Delhi-110027; Tel.(011)2539857(R);Sp.Soil Chemistry/Soil Fertility.

2012 RAMAMRITHAM, Krithivasan (b. 1955) PhD, FACM, FIEEE, FASc. FNAE, Vijay & Sita Vashee Chair Professor, Computer Science & Engineering Department, Indian Institute of Technology Powai, Mumbai - 400076; Res. A-12, IIT Bombay, Powai, Mumbai - 400076; Tel. (022) 25767740(O), 25768740(R), 09820633683(M); Fax : 25720022, 25720290; Email: krithi@cse.iitb.ac.in; Sp. Database Systems/Real-time Systems/WWW.

1992 RAMÁMURTHI, Rallapalli (b. 1936) PhD, DSc, FNA, FNAAS, FES, INSA Honorary Scientist, Dept. of Fishery Science; Formerly Vice-Chancellor, SV University, Tirupati; Res. A-9, Vaikuntapuram, MR Palli, Tirupati - 517 502; Tel. (0877) 2241907(R), 09393988088, 09849488390(M); Fax: 2242079; Email : gauthama.rallapalli@gmail.com, rrallapallius@yahoo.com; Sp. Comparative Animal Physiology/Environmental Biology.

Council: Mem. 94-97, 2008-09

2007 RAMAMURTHY, Perumal, (b. 1959) PhD, Professor Emeritus, National Centre for Ultrafast Processes, University of Madras, Taramani Campus, Taramani, Chennai - 600113; Res. Flat No. 2F, Skypark Residences, Pallavaram Thoraipakkam Road, Chromepet, Chennai - 600044; Tel. (044) 24547190(O), 09840480266(M); Email : prm60@hotmail.com; Sp. Photosciences/Ultrafast Spectroscopy/Nanophotonics.

2023

RAMAMURTHY, Praveen Chandrashekarapura (b. 1973) PhD, Professor, Department of Materials Engineering, Chair, Interdisciplinary Centre for Water Research, Indian Institute of Science, Bengaluru - 560012; Res. Bg 7/1, Indian Institute of Science Campus, Bengaluru - 560012; Tel. (080) 22932627(O), 09916967200(M); Email: praveen@iisc.ac.in; Sp. Organic Electronics/ Sensors/Photovoltaics.

2006 RAMAMURTHY, Thandavarayan (b. 1953) PhD, FNA, FAAM, INSA Senior Scientist, ICMR-National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata - 700010; Res. A-13, Cluster IX, Sector III, Purbachal Housing Estate, Salt Lake City, Kolkata-700097; Tel.(033) 23633374(O), 09432114945(M); Fax: 23632398; Email: rama1murthy@yahoo.com; Sp. Microbiology (Enteric Diseases).

1996 RAMAMURTHY, Valangiman Subramanian (b. 1942) PhD, FNA, FASc, FNAÉ, FTWAS, Emeritus Professor, National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore - 560012; Formerly Director, NIAS, Bengaluru; Res. Apartment No. S1 (Second Floor), SLC Euphoria, Lottegollahalli, RMV 2<sup>nd</sup> Stage, Bangalore - 560094; Tel. (080) 22185127(O), 23515920(R), 09900002178(M); vsramamurthy@nias.res.in, vsramamurthy@gmail.com; Sp. Inter-disciplinary Approaches to Science, Technology and Society, Science & Technology Communication, Managing Public Perceptions and Public Acceptance of Public Risks Specific Reference to New and Emerging with Technologies.

2005 RAMAN, Rajiva (b. 1948) PhD,FNA,FASc, Distinguished Professor BHU, Department of Zoology, Banaras Hindu University, Varanasi - 221005; Res. 8, Mahamana Puri, Vill. Karaundi, Near ITI, PO Banaras Hindu University, Varanasi-221005; Tel. (0542) 2570967(R), 09336152694(M); Email: raman@bhu.ac. in, rajiva.raman@gmail.com; Sp. Developmental Genetics/Human Genetics.

1992 RAMANAN, Sundararaman (b. 1937) PhD,FNA, FASc, Adjunct Professor, Chennai Mathematical Institute; Formerly Distinguished Professor, School of Mathematics, TIFR, Mumbai; Res. 3, Kalanidhi, 28, 4<sup>th</sup> Main Road, R.A. Puram, Chennai-600028;Tel.(044) 22543376(O),24341169(R), 09444549919(M); Email: ramanan@imsc.res.in; sramanan@cmi.ac.in; Sp. Algebraic & Differential Geometry.

1998 RAMAÑATHAN, Krishna Venkatachala (b. 1950) PhD, Professor Emeritus (CSIR), NMR Research Centre, Indian Institute of Science, Bangalore - 560012; Res. No. 39, Anugraha, 6<sup>th</sup> Main Road, JRD Tata Nagar, Bangalore - 560092; Tel. (080) 22933299(O), 23413808(R), 09845927385(M); Fax: 23601550; Email: ramanathankv@iisc.ac.in; kvr.nmr@gmail.com; Sp. Nuclear Magnetic Resonance.

2009 RAMARAJ, Ramasamy (b. 1956) PhD, DSc(Japan) DSc(Madurai) FASc, FNA, Former Professor of Eminence & DAE Raja Ramanna Fellow, School of Chemistry, Madurai Kamaraj University, Madurai - 625021; Res. B4, Shanthi Sadhan, Melakkal Main Road, Kochadai, Madurai - 625016; Tel. 08903971420 (M); Email: ramarajr@yahoo.com; ramaraj.ram@gmail.com; Sp. Physical, Inorganic and Analytical Chemistry.

1989 RAMA RAO, Álla Venkata (b. 1935) PhD,DSc,FNA, FASc, FTWAS, Chairman & Mg. Director, AVRA Laboratories, AVRA House, Sai Enclave, Habshiguda, Hyderabad - 500007; Formerly Director, Indian Institute of Chemical Technology; Res. 7-102/54, Sai Enclave, Habshiguda, Hyderabad - 500007; Tel. (040) 27178568-9(O), 27173360(R), 09848135163(M); Fax: 27175605; Email: ramarao@avralab.com; Sp. Organic Synthesis/Natural Products/Medicinal Chemistry.

2006 RAMÁSAMI, Thirumalachari, (b. 1948) PhD, FNA, FÁSc, FTWAS, FNAE, Nayudamma Abdul Wahid Chair Professor, Centre for Academic Research and Excellence, Department of Leather Technology, AU, CSIR-Central Leather Research Institute, Adyar, Chennai – 600020; Formerly Secretary, DST, GOI; Res. B-5, Lake View Road, IIT Staff Quarters, Chennai – 600036; Tel. (044) 24437418(O), 09818228329(M); Email: samisrisailam @gmail.com; Sp. Inorganic Chemistry/ Chemical Dynamics/Leather Science.

1989 RAMASAMY, P. (b. 1943) PhD, Director, Crystal Growth Centre, Anna University, Chennai - 600 025; Res. II P4, Anna University Staff Quarters, Kottur, Chennai - 600 085; Tel. (044) 415323(O); Sp. Crystal Growth.

1990 RAMASWAMY, Mathagondapally Aswathaiengar (b. 1936) M.E., PhD(Cal.Tech.), Formerly Professor, Dept. of Aerospace Engineering, Indian Institute of Science, Bangalore; Res. 487, 14th Main, 5th Block, Koramangala, Bangalore-560 034; Tel. (080) 3341904(O), 5532354(R); Sp. Aerodynamics.

(080) 3341904(O), 5532354(R); Sp. Aerodynamics.

RAMASWAMY, Mythily (b. 1954) PhD (Paris), FASc, NASI Senior Scientist, ICTS-TIFR, Bangalore – 560089; Formerly Professor, TIFR Math Centre, Bangalore; Res. 2B, Himagiri Apts., 77, 4th Main, 15th Cross, Malleswaram, Bangalore- 560055; Tel. (080) 23341138(R), 09845335387(M); Email: mythily54@gmail.com; Sp. Partial Differential Equations/Nonlinear Functional Analysis/Control Theory.

2017 RAMASWAMY, Sriram Rajagopal (b. 1957) PhD, DSc(hc), FRS, FNA, FASc, Professor, Department of Physics, Indian Institute of Science, Bangalore - 560012; Res. 2063,Prestige Wellington Park, Jalahalli East, Bangalore - 560013; Tel. (080) 23602698, 22933283(O), 23089166(R), 09845626393(M); Fax: 23602602; Email: sriram@iisc.ac.in; ramaswamy.sriram@gmail.com; Sp. Soft-matter/Nonequilibrium/Biological Physics.

RANA, Rai Singh (b. 1936) Assoc.IARI, PhD, Chairman, Bio-links; Member, National Biodiversity Authority, India; Member, Compliance Committee, Biosafety Protocol, CBD-UNEP; Formerly Professor of Eminence & Director, National Bureau of Plant Genetic Resources, New Delhi and Vice Chair, FAO Commission on Genetic Resources for Food & Agriculture; Res. D-43, Indraprastha Apts., Sector 14, Rohini, New Delhi-110085; Tel. (011) 27860123(R), 09899232409(M); Fax: 27345935; Email: rairana@vsnl.net; Sp. Genetics/Genetic Resources Management/Biodiversity Conservation.

2017 RANGAN, Latha (b. 1973) PhD, FBRS, Senior Professor, Department of Biosciences & Bioengineering, Indian Institute of Technology Guwahati - 781039; Res. F-25, Indian Institute of Technology, Guwahati - 781039; Tel. (0361) 2582214(O), 2583203(Lab), 2584214(R), 09435016913(M); Fax:2582249; Email : Irangan@iitg.ac.in; latha\_rangan@yahoo.com; Sp. Plant Biotechnology/Medicinal Chemistry/Genome Mining. Council : Mem. 2023-

1995

RANGANATH, Gobbalipur Shamanna (b.1944) PhD, FASc, Former Visiting Professor, Centre for Soft Matter Research, Bangalore; Res. 422, 'Chitta', 10th Cross, 8th Main, Padmanabhanagar, Bangalore - 560070; Tel. (080) 26692616(R); Email: gs.ranganath@gmail.com; Sp. Liquid Crystals/Optics.

2005 RANGANATH, Hassan Annegowda (b. 1948) PhD, FASc, FNA, Visiting Professor, Centre for Human Genetics, Biotech Park, Electronic City Phase 1, Bangalore - 560100; Chairman, Board of Governors, IIIT Kurnool; Distinguished Professor for Life, University of Mysore; Formerly Director, NAAC; Vice Chancellor, Bangalore University; Res. 308, Wise Residency, Near Chowdeshwariamma Temple/Golden Rays Apt, Devarachikkanahalli Main, Bommanahalli, Bangalore - 560076; Tel 09902300909(M); Email : haranganath@gmail.com; Sp. Zoology/Genetics/Evolution.

RANGANATHAN, Srinivasa (b. 1941) BE, PhD(Cantab), FNA, FASc, FNAE, FTWAS, Formerly NASI Senior Scientist & Visiting Professor, School of Humanities, National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore-560012; Res. DQ12, I.I.Sc. Campus, Bangalore-560012; Tel. (080) 22185073(O), 23518521(R), 09880397490 (M); Fax: 22185028; Email: rangu@materials.iisc.ernet.in; rangu1941@gmail.com; Sp. Materials Science/Engineering/History of Mining, Minerals, Metals and Materials.

2006 RANGAPPA, Kanchugarakoppal S. (b. 1955) PhD,DSc,FRSC, FBRS, FTWAS, Distinguished Professor, CSIR Emeritus Scientist, Institution of Excellence, Vijnana Bhavan, University of Mysore, Manasagangotri, Mysore - 570006; Res. No.227/9, Bogadi II Stage, Mysore - 570026; Tel. 09945469955(M); Fax: 2419363; Email: rangappaks@yahoo.com, rangappaks@gmail.com, rangappaks@ioe.uni-mysore.ac.in; Sp. Bioorganic and Medicinal Chemistry/Chemical Biology.

RANGARAJAN, Annapoorni (b. 1971) PhD, Professor, Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore - 560012; Res. B 305, Brigade Gateway Aprts, Dr. Rajkumar Road, Malleshwaram West, Bangalore - 560055; Tel. (080) 22933263(O), 41148064(R), 09448787627(M); Fax: 23600999; Email: anu@iisc.ac.in; Sp. Cancer Stem Cells/Cancer Biology/Signal Transduction.

2002 RANGARAJAN, Govindan (b.1963) PhD,FASc,Professor & Director, Indian Institute of Science, Bangalore-560012; Res. Apt.201, Parijatha Apts., 46, 10th Main Road, Malleswaram, Bangalore - 560055; Tel. (080) 23600690, 229322222(0), 23344736(R); Fax: 23600936; Email: rangaraj@iisc.ac.in; govindan.rangarajan@gmail.com; Sp. Nonlinear Dynamics/Time Series Analysis.

2002 RANGARAJAN, Pundi Narasimhan (b.1963) PhD, FNA, FASc, FAMS, Professor & JC Bose National Fellow, Department of Biochemistry, Indian Institute of Science, Bangalore - 560012; Res. No.1214-17/53, 4th Main, E Block, Rajajinagar, 2nd Stage, Bangalore - 560010; Tel. (080) 22932540(O), 65700305(R), 09886303700(M); Email: pnr@iisc.ac.in; Sp. Eukaryotic Gene Expression/Infectious Diseases.

Council: Mem. 2010-2011; F.S. 2019-20

1986 RANGASWAMY, Nanjangud Sreekantaiah (b. 1932) PhD, FNA, FASc, Formerly Professor of Botany, University of Delhi; Res. Apartment No. 241, III Floor, Block B2, Kendriya Vihar, Bellary Road, Yelahanka, Bengaluru - 560064; Tel. (080) 28461171(R), 09632310700, 09871182002(M); Email: rlmc68@yahoo.co.in; Sp. Reproductive Biology of Seed Plants/Plant Tissue Culture & Biotechnology.

2022 RANJAN, Rajeev (b. 1970) PhD, FASc, Professor, Department of Materials Engineering, Indian Institute of Science, Bengaluru - 560012; Res. EV-010, Vijnanapura Campus, IISc, New BEL Road, Bengaluru - 560094; Tel. (080) 22932989(O), 23410989(R), 09902042989(M); Fax: 23600472; Email: rajeev@iisc.ac.in; ranjanrajeeb@gmail.com; Sp. Materials Science/Piezoceramics.

1995 RANJEKAR, Prabhakar Kamalakar (b.1941) PhD, Director, Interactive Research School for Health Affairs, Bharati Vidyapeeth University, Pune - 411043; Res. B-11, 4th Lane, Abhimanashree Housing Society, Pashan Road, Pune - 411008; Tel. (020) 24366929/31(O), 2351957(R); Fax: 24366931; Email: prabhakar.ranjekar@bharatividyapeeth.edu; Sp. Biochemistry/Plant Molecular Biology.

2000 RAO, Addicam Jagannadha (b. 1942) PhD, FNA, FASc, FAMS, INSA Emeritus Scientist, Department of Biochemistry, Indian Institute of Science, Bangalore-560012; Res. 247, 1st Cross, 3rd Main, Hanumanthanagar, Bangalore-560019; Tel. (080) 22932308(O), 26507124(R); Fax: 23600814; Email: ajrao@alumni.iisc.ac.in; ajrao2006@gmail.com; Website: www.iisc. ac.in; Sp. Regulation of endocrine function of placenta in primates/Role of trophic hormones in differentiation of endocrine tissues/Role of estrogen in regulation of epididymal function.

2002 RAO, Basuthkar Jagadeeshwar (b.1956) PhD, FNA, FASc, JC Bose Fellow, Vice-Chancellor, University of Hyderabad, DR CR Rao Road, Gachibowli, Hyderabad – 500046; Tel. (040) 23010121, 23132000(O), 09004588909(M); Email: vc@uohyd. ac.in; bjrao@uohyd.ac.in; bjrao@tifr.res.in; Sp. Genome Repair/Recombination/Protein-DNA Interaction/Biology of Cellular Adaptations/Computational Biology.

1988 RAO, Calyampudi Radhakrishna (b. 1920) PhD, ScD, DSc(hc), FNA, FASc, FRS, FTWAS, Fellow, US National Academy of Sciences, Honorary Professor, CRRAO AIMSCS, Hyderabad; Research Professor, University at Buffalo, 29, Old Orchard Street, Williamsville, NY 14221, USA; Tel. (040) 23013118, 64631799(O), 09397806860(M); Email: crr1@psu.edu; Sp. Statistics/Matrix Algebra.

2011 RAO, Chebrolu Pulla (b. 1954) PhD, FNA, FASc, FAPAS, JC Bose National Fellow, Department of Chemistry, Indian Institute of Technology Tirupati, Settipalli Post, Tirupati - 517506; Res. 402, Cauvery Building, Srihari Nilayam Complex, Varsha Vishwanath Nagar, Tiruchanoor, Tirupati - 517503; Tel. (0877) 2503036(O), 09969022554(M); Fax: 2503004; Email: cprao@iittp.ac.in; cpraoiitb@gmail.com; Sp. Inorganic Chemistry/Bioinorganic, Supramolecular, Chemo Sensors and Nanobiomaterials.

2003 RAO, Chilakalapudi Durga (b. 1950) PhD, Professor & Dean, School of Liberal Arts and Basic Sciences (SLABS), Department of Biology, SRM University, AP, Mangalagiri Mandal, Guntur Dist., Neerukonda, Amaravati-522502, AP, Res. DQ1, Faculty Quarters, Indian Institute of Science, Bangalore-560012; Tel. 08023607945, 09880882052(M); Email: cdrmcb@gmail.com; dean.slabs@srmap.edu.in; durgarao.c@srmap.edu.in; Sp. Molecular Virology/Molecular Biology/Cell Biology, Biotechnology.

1974 RAO, Chintamani Nagesa Ramachandra (b. 1934) PhD (Purdue), DSc(Mysore),DSc(hc),ScD(hc),Dr.Engg.(hc), LLD(hc), DLitt(hc), FNA, FASc, FRS, FRS(C), Hon FRSC, Hon. F Inst. P., FTWAS, Bharat Ratna, Linus Pauling Research Professor & Director, International Centre for Materials Science (ICMS), Jawaharlal Nehru Centre for Advanced Scientific Research; Res. JNC President's House, Indian Institute of Science Campus, Bangalore - 560012; Tel.(080) 23653075, 22082761(O), 23601410(R); Email: cnrrao@jncasr.ac.in; Sp. Chemistry of Materials.

Award : Prof. N.R. Dhar Memorial Lecture Award -Nat.Acad.Sci.India (1991).

1996 RAO, D. Narayana (b. 1948) PhD, Director (Research), SRM University, Kattankulathur – 603203; Former Director, NARI, Tirupati; Email: profdnrao2001@yahoo.com; narayanarao.d@srmuniv.ac.in; Sp. Atmospheric Science/Space Physics/Electronics.

2003 RAO, Desirazu Narasimha (b. 1954) PhD, FNA, FASc, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore- 560012; Res. 35/2, Ist Floor, 4th Cross, R.M.V. Extn., Bangalore - 560080; Tel. (080) 22932538, 22932478(O), 23611677, 22933009(R); Fax: 23600683, 23600814; Email: dnrao@biochem.iisc.ernet.in; Sp. DNA-Protein Interactions.

2005 RAO, Gullapalli Nageswara (b. 1945) MD, DSc, FASc, FAMS, FRSC, Distinguished Chair of Eye Health, LV Prasad Eye Institute, L.V.Prasad Marg, Banjara Hills, Hyderabad - 500034; Tel. (040) 30612609, 65510365(O), 65411288(R); Fax: 23548271; Email: gnrao@lvpei.org; Sp. Ophthalmology/ Health Planning & Policy.

2015 RAO, Indumati (b. 1937) MA, MS(Edn), DLitt, Honorary Coordinator, Multimedia Group, Education Technology Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore - 560064; Res. C/o Prof. CNR Rao, President's House, JNCASR, Indian Institute of Science Campus, Bangalore - 560012; Tel. (080) 22082772(O), 23601410, 22932585(R); Email: indumatirao@jncasr.ac.in; Sp. Geography/Multimedia.

1994 RAO, Kalya Jagannatha (b. 1940) PhD, DSc, DSc(hc), DLitt(hc), FNA, FASc, FInt Acad Ceram, FAPAM, FWIF; Res. No. 25, 'Shreenidhi', 1st Cross, 3rd Main, NTL Layout, Nagashettihalli, Bangalore - 560094; Tel. (080) 22932583(O), 09880155726(M); Email: kalyajrao@yahoo.co.in; Sp. Physical Chemistry/Materials Science.

1994 RAO, Kanury Venkata Subba (b. 1958) PhD, FNA, FASc, Head, DDRC & National Chair, Translational Health Science and Technology Institute, NCR Biotech Science Cluster, Faridabad - 121001; Res. E-2226, Palam Vihar, Distt. Gurgaon - 122017; Tel. (0129) 2876449(O), (0124) 4070474(R), 09810627255(M); Email : kanury@icgeb.res.in; kanury@thsti.res.in; Sp. Immunology/Peptide Synthesis.

Council: Mem. 2014-15

1992 RAO, M. R. Satyanarayana (b. 1948) PhD, FNA, FASc, FAMS, FTWAS, Honorary Professor, SERB-Year of Science Chair Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore - 560064; Res. 527, 9th Cross, Tatanagar, Kodigehalli, Bangalore - 560092; Tel. (080) 22082864, 22082754(O), 23519131(R); Fax : 22082758, 22082766; Email: mrsrao@jncasr.ac.in; Sp. Molecular Biology & Cell Biology/Genomics & Human Molecular Genetics.

2023 RAO, Nittala Venkata Chalapathi (b. 1969) PhD,FASc,FNA, Professor, Department of Geology, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. B-8, Heritage Housing Apts., Ganga Pradushan Road, Bhagwanpur, Varanasi-221005; Tel. 09935647365(M); Email: nvcrao@bhu.ac.in; nvcr100@gmail.com; Sp. Mineralogy/ Igneous

Petrology/Geochemistry.

RAO, Palle Rama (b. 1937) PhD, DSc(hc), FEng(UK), Foreign Member, US Nat.Acad.Engg., FNA, FASc, FNAE, FTWAS, International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Balapur P.O., Hyderabad - 500005; Formerly Vice-Chancellor, University of Hyderabad; Chairman, Atomic Energy Regulatory Board, Mumbai; Distinguished Scientist, DRDO, New Delhi and Secretary, DST; Res. Flat No. 301, NAIMISAM, Plot No. 22, H.No. 8-3-1022, Srinagar Colony, Hyderabad - 500073; Tel. (040) 24443167(O); 66614475(R), Fax: 24443168(O); Email : ramaraop37@gmail.com; Sp.

Physical & Mechanical Metallurgy: Alloy Development.

RAO, Paranandi V. Suryanarayana (b. 1936) PhD, FNA, FASc, FNAE, FCSI, FIETE, Formerly Adviser, TCS Ltd., Formerly Sr. Professor & Head, Computer Systems & Communications Group, TIFR, Mumbai; Res. Vigyan - 601, Plot No. 23, Sector-17, Vashi, Navi Mumbai - 400703; Tel. (022) 27890712/(R), 09225518888(M); Email: dr.pvsrao@gmail.com; Sp. Artificial Intelligence, Computer Systems/Speech & Script/Natural Language Processing.

2010 RAO, Paruchuri Gangadhar (b. 1950) PhD, FIAFoST, FIE, FIIChE, Advisor, NIPER, Guwahati; Former Director, CSIR-North East Institute of Science & Technology, Jorhat; and Former Vice Chancellor, USTM, Meghalaya; Res. Flat C-212, May Flower Heights, Opp: NOMA Function Hall, Mallapur, Hyderabad – 500076; Tel. 09435052702, 09866950077(M); Email : pgrao42@hotmail. com; hpcustm@gmail.com; Sp. Science & Society/ Engineering Sciences.

Council: Mem. 2012-13

1999 RAO, Raghavendra Ramachandra (b. 1945) PhD, FBS, FES, FIAAT, FLS, FASc, FNA, INSA Honorary Scientist, Res. No. 328, B-4, Kendriya Vihar, Yelahanka, Bengaluru - 560064; Tel. 09113215570, 09448852356(M); Email : raocimap@gmail.com; Sp. Taxonomy/Biodiversity/ Medicinal Plants/Conservation/ Phytogeography.

2010 RAO RAMGOPAL, Valipe (b. 1965) PhD, FIEEE, FTWAS, FASc, FNA, FNAE, FIETE, Pillay Chair Professor & Former Director, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016; Res. 12 West Avenue, IIT Delhi, Hauz Khas, New Delhi - 110016; Tel. (011) 26597367(O), 09869034490(M); Email: rrao@iitd.ac.in; Sp. Nanoelectronics/Sensors/Microelectronics.

Council: Mem. 2019-20

1990 RAO, Salem Ramachandra Rao Venkatasubba (b.1927), PhD, FNA, Formerly Professor & Head, Zoology Department, Delhi University, Delhi; Res. Room # 117, VLN Prabhuddalaya, 748A, Nisarga Layout, Bannerghatta Post, Jiginittabli, Bangalore - 560083 Tel. (080) 27824413(R), 09341989403(M); Email: sharada\_papu@hotmail.com; Sp. Cytogenetics.

2001 RAO, Sumathi (b. 1956) PhD(Stonybrook), FASc, Professor, Harish-Chandra Research Institute of Mathematics & Mathematical Physics, Chhatnag Road, Jhunsi, Prayagraj-211019; Res. E-1, Harish-Chandra Research Institute of Mathematics & Mathematical Physics, Chhatnag Road, Jhushi, Prayagraj - 211019; Tel. (0532) 22274303(O), 2274002(R); Email: sumathi@mri.ernet.in; Sp. Theoretical Condensed Matter Physics.

2018 RAO, Taduri Srinivasa Siva Rama K. (b. 1954), PhD, FASc, Professor (HAG) & Head, Indian Statistical Institute, RV College Post, Bangalore - 560059; Res. #93 Ist Main, CHBS 3rd Layout, Bangalore - 560040; Tel. (080) 26985301(O), 23399019(R), 07406910270(M); Email: tss@isibang.ac.in; Sp. Functional Analysis/Geometry of Banach Spaces/Approxination Theory.

1999 RASTOGI, Anil Kumar (b. 1943) PhD, Formerly Scientist 'G' & Head, Division of Biochemistry, Central Drug Research Institute, Chattar Manzil Palace, Lucknow - 226001; Res. 223/153, Rastogi Tola, Raja Bazar, Lucknow - 226003; Tel. (0522) 4234316(R), 09415087160, 09235183086(M); Email: rastogiak@rediffmail.com, rastogi.anilk@gmail.com Sp. Biochemistry of Parasitic Infection/Metabolic Disorders.

RASTOGI, Ram Gopal (b. 1929) PhD,FNA, FASc, INSA Hon. Scientist, Visiting Professor, Physical Research Laboratory, Ahmedabad; Formerly Director, Indian Institute of Geomagnetism, Mumbai; Res. 22B Lad Housing Society, Sandesh Press Road, Badakdev, Ahmedabad - 380054; Tel. (079) 26314055(O), 26850958(R), 09624924030(M); Fax: 26301502; Email: parvs@prl.res.in; profrastogi@yahoo.com; Sp. Geomagnetism/Aeronomy/Space Physics.

Council: Mem. 85-89

2009 RATH, Goura Kishor (b. 1951) MBBS,MD,FIMSA,FAMS, Head, Dept. of Radiotherapy & Chief, DRBRAIRCH, All India Institute of Medical Sciences, New Delhi - 110029; Res. CII/22 AlIMS Campus, Ansari Nagar, New Delhi - 110029; Tel. (011) 26594798(O), 26594542(R); Fax: 26589821; Email: gkrath@rediffmail.com; gkrath2006@gmail.com; Sp. Medical Sciences/Radiation Oncology.

- 2017 RATH, Sankar Prasad (b. 1972) PhD, FASc, Professor, Department of Chemistry, IIT Kanpur, Kanpur 208016; Res. H.No. 4084, Type IV, IIT Kanpur Campus, Kanpur 208016; Tel. (0512) 2597251(O), 2598261(R), 09450346453(M); Fax: 2596806; Email: sprath@iitk.ac.in; sankarrath04@gmail.com; Sp. Bioinorganic Chemistry/Coordination Chemistry.
- 1989 RATNASAMY, Paul (b. 1942) PhD, FNA, FASc, FNAE, FTWAS, INSA Ramanujan Research Professor, National Chemical Laboratory, Pune- 411008; Res. Flat No. 4, Lalit Apartment, Gulmohar Park, ITI Road Anudh, Pune 411007; Tel. (020) 25886122(O), 25898058(R), 07350005192(M); Fax: 25886122, 25893355; Email: paul\_ratnasamy@yahoo.com; paulratnasamy@gmail.com; Sp. Catalysis/ Zeolites.
- 2019 RAVI, Bina (b. 1952) MS, FRCS(Eng), FRCS(Ireland), FRCS (Glasgow), FICS, FACS, Senior Professor in Surgery & Chairperson, Integrated Breast Care Center, Department of Surgery, 4th Floor, All India Institute of Medical Sciences Rishikesh, UK; Res. VIP Guest House, AllMS Rishikesh 249203, UK; Tel. 09868218537(M); Email: binaravi@gmail.com; Sp. Surgery Breast Cancer/Non-Cancerous Breast Diseases.
- 2018 RAVIKANTH, Mangalampalli (b. 1966), PhD, FASc, Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai 400076; Res. B-271, Nilgiri Apartments, IIT Bombay Campus, Powai, Mumbai 400076; Tel. (022) 25767176(O), 25768176(R), 09819084270(M); Fax: 25723480; Email: ravikanth@chem.iitb.ac.in; Sp. Inorganic Chemistry/Supramolecular Chemistry.
- 1998 **RAVINDRANATH, Vijayalakshmi** (b. 1953) PhD, FASc, FNA, FTWAS, FAMS, Founder Director, Center for Brain Research & NBRC; Res. Apartment 301, Vaishnavi Spring, 49/5 Ranga Rao Road, Shankara Puram, Bangalore 560004; Tel. 09008885529(M); Email: viji@iisc.ac.in; viji.ravindranath@ gmail.com; Sp. **Neuroscience.** 
  - Council: F.S. 2005-06 Mem. 2002-04, 2007-08, 2022-23
- 1997 RAVISHANKAR, Gokare Aswathanarayana (b.1954) PhD, FIAFoST (Canada), FIFT(USA), FNAAS, Vice President, R&D (Life Sciences), Professor of Biotechnology, Dayananda Sagar Institutions, 5<sup>th</sup> Floor, Dr. C.D. Sagar Center for Life Sciences, Shavige Malleshwara Hills, Kumaraswamy Layout, Bangalore 560078; Tel. (080) 42161747(O), 09448086775(M); Fax: 42161747; Email: rgokare@yahoo.co.in; Sp. Plant Biotechnology/Secondary Metabolites/Food Biotechnology.

2021 RAWAT, Diwan S. (b. 1970) PhD, FRSC, Professor, Chemistry Dept. & Dean Examination, University of Delhi, Delhi - 110007; Res. 38/6 Probyn Road, Near Law Faculty, University of Delhi, Delhi - 110007; Tel. 09810232301(M); Email : diwansrawat@gmail.com; dsrawat@chemistry.du.ac.in; Sp. Medicinal Chemistry and Catalysis.

- 2004 RAWAT, Gopal Singh (b. 1959) PhD, DSc, Former Dean, Faculty of Wildlife Sciences, Wildlife Institute of India, Dehra Dun; Res. 14, Doon Officers' Enclave, Chandrabani, P.O. Mohabbewala, Dehra Dun-248001; Tel. 09690253814(M); Email: gsrawat59@gmail.com; rawatg@wii.gov.in; Sp. Plant Taxonomy/Natural Resource Ecology & Conservation.
- 2012 RAY, Kunal (b. 1952) PhD, Professor, Ramakrishna Mission Vivekananda Educational Research Institute, Narendrapur, Kolkata 700103; Res. G9, New Garia Housing Co-operative Society, P.O. Panchasayar, Kolkata 700094; Tel. 09811874348, 09433090088(M); Email: kunalray@gmail.com; Sp. Molecular Basis of Human Genetic Diseases.
- 2023 RAY, Manas Chandra (b. 1963) PhD,FNAE, Professor (HAG), Mechanical Engineering Dept., IIT Kharagpur, Kharagpur 721302; Res. Flat A-151, IIT Kharagapur, Kharagpur 721302; Tel. (03222) 282984(O), 09932825554, 0015406050739(M); Email: mcray@mech.iitkgp.ac.in; Sp. Smart Composite Structures/Micromechanics and Nanomechanics/ Strain Gradient Elasticity.
- 2017 RAY, Samit Kumar (b. 1961) PhD,FNAE,FWAST, Chair Professor, Department of Physics, IIT Kharagpur, Kharagpur 721302; Res. RH-II, 12F, Sunrise Symphony, Newtown, Action Area-II(B), Kolkata 700157; Tel. (03222) 283838(O), 09434020348(M); Email : physkr@phy.iitkgp.ac.in; physkr@gmail.com; Sp. Device Physics/Semiconductor Nano-structures/Quantum Photonics.
- 2006 RAY, Subrata (b. 1947) PhD, Visiting Distinguished Professor, School of Engineering, IIT, Mandi; Res. A-3, Rupantar, 15A, DPP Road, Naktala, Kolkata 700047; Tel. (033) 24217704; 09897645575(M); Email: surayfmt@gmail.com; Sp. Materials Development including Cast Metal Matrix Composites/Nanocomposites and Energy Materials.
- 2000 RAY, Sumit Kumar (b. 1945) PhD, FWAST, Former Deputy Director General, Geological Survey of India, Kolkata; Res. FE-139 Salt Lake, Sector 3, Kolkata 700106; Tel. (033) 23343389(R), 09432495128(M); Email: skray45@yahoo.co.in; sumitkumarray@hotmail.com; Sp. Structural Geology & Tectonics, Ore Geology.
- 1994 RAY, Suprabhat (b. 1942) PhD, Formerly Sr Dy Director (Scientist G) & Head, Medicinal Chemistry and Chemical Technology Division, Central Drug Research Institute, Lucknow; Res. Mohini, 16/3 Kha, Sarojini Naidu Marg, Behind Masonic Lodge, Lucknow 226 001; Tel. (0522) 2238558(R), 09335626703 (M); Email: suprabhatray@yahoo.co.in; Sp. Medicinal Chemistry/Development of Fertility Regulating Agents.

2019 RAYALA, Suresh Kumar (b. 1976) PhD, Professor, Department of Biotechnology, IIT Madras, Chennai - 600036; Res. B26-2B, CHERA, IIT Madras, Chennai - 600036; Tel. (044) 22574137(O), 22576137(R), 09840885870(M); Fax: 22574102; Email: rayala@iitm.ac.in; Sp. Molecular and Cell Biology.

2003 **RAYCHAUDHURI, Amitava** (b. 1952) PhD, DSc(hc), FNA, FASc, Professor Emeritus, Formerly Sir Tarak Nath Palit Professor of Physics, University of Calcutta, 92, Acharya Prafulla Chandra Road, Kolkata-700009; Formerly Director, Harish-Chandra Research Institute, Prayagraj; Res. Flat No. 10/6, Block C, Green Tower, Golf Green, Kolkata - 700095; Tel. (033) 24737519(R), 09831243624 (M); Email: amitavaraychaudhuri @yahoo.com; Sp. **Particle Physics.** 

Council: V.P. 2009-10

2000 RAYCHAUDHURI, Arup Kumar (b. 1952) PhD, FNA, FASc, FAPAM, SERB Distinguished Fellow, CSIR-CGCRI, Kolkata - 700032; Formerly Professor of Physics, IISC and Director, NPL & SN Bose National Centre for Basic Sciences; Res. SV-1, P-347 Lake Town, Block A, Kolkata - 700089; Email: arupraychaudhuri4217@gmail.com; Sp. Solid State Physics/Experimental Physics/R&D Management.

2023 RAY CHAUDHURI, Shaon (b. 1973) PhD, Professor, Department of Microbiology, Tripura University, Suryamaninagar, Tripura West - 799022; Res. A-101, Green Woods Premium, Kaikhali, Shibtala, Kolkata - 700136; Tel. 08910432280, 09862204713, 09831034236(M); Email: shaon.raychaudhuri@gmail.com; Sp. Biotechnology/Microbial Technology/Bioremediation.

2017 RAYCHAUDHURY, Somak (b. 1962) PhD, FRAS, Director, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune - 411007; Res. Akashganga 1, IUCAA, SP Pune University Campus, Ganeshkhind, Pune - 411007; Tel. (020) 25604100(O), 09168781888(M); Fax : 25604699; Email : somak@iucaa.in; somak.iucaa@gmail.com; Sp. Astronomy/ Astrophysics/Cosmology.

2013 **REDDY, Basireddy Venkata Subba** (b. 1970) PhD, Senior Principal Scientist, Discovery Lab, Indian Institute of Chemical Technology, Hyderabad - 500007; Res. 301, Versha Apartment, Babuji Nagar, Nacharam, Hyderabad - 500076; Tel. (040) 27193535(O), 27170287(R), 09494540587(M); Fax: 27160512; Email: basireddy@iict.res.in; basireddyvsr@gmail.com; Sp. Asymmetric Synthesis / Medicinal Chemistry / Green Chemistry.

2012 **REDDY, Benjaram Mahipal** (b. 1957) PhD, FNAE, FRSC, FTASc, FAPASc, Senior Professor Emeritus, Department of Chemistry, Birla Institute of Technology & Science (BITS) Pilani, Hyderabad Campus, Hyderabad – 500078; Res. H.No.1-216/109, Kartikeyanagar, Nacharam, Hyderabad - 500076; Tel. (040) 66303794(O), 29800676(R), 09866004262(M); Email: bmreddy.iict@gmail.com; dr\_bmreddy@yahoo.com; Sp. Catalysis/Green Chemistry/Nano-materials.

**REDDY, Chilla Malla** (b. 1975) PhD, Professor, Department of Chemistry, Indian Institute of Technology Hyderabad, Kandi - 502284; Res. Villa-610, BHEL Mayfair Visista Villas, Velimela Road, Sheriguda - 501203, Shankarpalli Mandal, Rangareddy Dist., Hyderabad, Telangana; Tel. 09830370458(M); Email : cmreddy@chy.iith.ac.in; Sp. **Supramolecular Chemistry/Crystal Engineering/Pharmaceutical Solid-State Chemistry.** 

**REDDY, D. Srinivasa** (b. 1971) PhD, FTASc, FMASc, FASc, FNA, JC Bose National Fellow, Director, CSIR-Indian Institute of Chemical Technology, Uppal Road, Hyderabad - 500007; Tel. (040) 27193030(O); Email: director@iict.res.in; ds.reddy@iict. res.in; dsreddy88@gmail.com; Sp. **Organic Chemistry/Medicinal Chemistry/Drug Discovery.** 

**REDDY, G. Bhanuprakash** (b. 1967) PhD, FIUNS, FAMS,FRSC, FTASc, Scientist G, National Institute of Nutrition, Jamai-Osmania, Hyderabad - 500007; Res. 216, Naik's Golden Towers, OU Road, Vidyanagar, Hyderabad - 500044; Tel. (040) 27197252(O), 27072829(R), 09704756699(M); Fax: 27019074; Email: geereddy@yahoo.com; Sp. **Biochemistry/Molecular Biology/Nutrition.** 

**REDDY, Gidnahalli Karagappa Narayana** (b. 1928) PhD (London), FNA, Formerly Professor & Head of Chemistry Department, Bangalore University & Vice-Chancellor, Karnataka University, Dharwad; Res. 622, Rajkumar Road, II Block, Rajajinagar, Bangalore-560010; Tel. (080) 23324546(R); Email: gkn\_reddy@hotmail.com; Sp. **Coordination Chemistry/Organometallics/Catalysis.** 

**REDDY, Malireddy Kodandarami** (b. 1958) PhD, Plant Molecular Biology, International Centre for Genetic Engineering and Biotechnology, New Delhi - 110067; Res. Apt.3138, Sector B, Pocket-4, Vasant Kunj, New Delhi - 110070; Tel. (011) 26741242(O), 41761698(R); Fax : 26742316; Email : reddy@icgeb.res.in; Sp. **Plant Sciences/Biotechnology.** 

2007 REDDY, Vudem Dashavantha (b. 1957) PhD,FAPASc, BSR Faculty Fellow & Former Director, Centre for Plant Molecular Biology (CPMB), Osmania University, Hyderabad - 500007; Res. G-3, Snehanilayam, Opp. Life Hospitals, D.D. Colony, Hyderabad - 500007; Tel. (040) 27098087(O), 27406590(R); Fax : 27096170; Email : vdreddycpmb@osmania.ac.in; vdreddycpmb@yahoo.com; Sp. Plant Genetics/Molecular Biology/Biotechnology.

**RENFRO, Bobby L.** (b. 1928) PhD, Maize Pathologist, CIMMYT, Apatado Postal 6-641, Delg. Cuauhtemoc 06600,Mexico, D.F.,Mexico; Tel.421-00(O); Sp.Disease Resistance Breeding/Disease Epidemiology and Control/Maize Breeding.

2009 RINDANI, Saurabh Dilsukhray (b. 1952) PhD, FNA, FASc, INSA Senior Scientist, Theoretical Physics Division, Physical Research Laboratory, Navrangpura, Ahmedabad - 380009; Res. M404, Garden Resideny, 3, South Bopal Road, Bopal, Ahmedabad - 380058; Tel. 09427018152 (M); Fax: (079) 26314900; Email: sdrindani@gmail.com; Sp.Particle Physics.

ROUT, Gyana Ranjan (b.1962) PhD, DSc, FNAASc, FISPGR, Former Professor & Head, Dept. of Agricultural Biotechnology, College of Agriculture, Orissa University of Agriculture and Technology, Bhubaneswar - 751003; Res. Plot No. 208/821, Khandagiri Vihar, Kolathia, PO-Aiginia, Bhubaneswar - 751019; Tel. 09437308014, 06372671115(M); Email : grrout2012@gmail.com; grrout@rediffmail.com; rout07@rediffmail.com; Sp. Plant Biotechnology/Molecular Stress Physiology/Mutation Research/Medicinal & Aromatic Plants.

2009 ROYCHOUDHURY, Susanta (b. 1955) PhD, FNA, FASc, Head, Department of Basic & Translational Research, Saroj Gupta Cancer Centre and Research Institute, MG Road, Thakurpukur, Kolkata - 700063; Res. HB-47, Sector III, Salt Lake, Kolkata - 700106; Tel. (033) 23581528(R); Email: susantarc@gmail.com; Sp. Human Genetics/Cancer Genomics/Cancer Cell Biology.

2001 ROY, Amit (b. 1948) PhD, Former Director, IUAC, New Delhi; Res. Flat 1A, Xenon Cooperative Housing Society, J 383 BP Township, Kolkata - 700094; Tel. (033) 24624439(R), 08017890915(M); Email: amitroy1948@gmail.com; Sp. Nuclear Physics /Acceleration Physics.

Council: V.P. 2023- Mem. 2012-13

2011 ROY, Bimal Kumar (b. 1959) PhD, Professor, Applied Statistics Unit & Head, RC Bose Centre for Cryptology & Security, Indian Statistical Institute, 203 Barrackpore, Trunk Road, Kolkata – 700108; Res. T7/F12/1, Eastern High, New Town, Kolkata – 700156; Tel. (33) 25752809(O), 09748999946(M); Email: bimal@isical.ac.in; bimalroy.isi@gmail.com; Sp. Cryptology/ Combinatorics/Statistics.

ROY, Debmalya (b. 1974) PhD, FRSC, Scientis F, Directorate of Nanomaterials, DMSRDE, DRDO, GT Road, Kanpur - 208013; Res. P-12/1, War Memorial Colony, GT Road, Kanpur - 208004; Tel. (0512) 2451759-78 Ext 293(O), 2970680(R), 09236918020(M); Email: droy.dmsrde@gov.in; drdebmalya@gmail.com; Sp. Hybrid Materials at Different Length Scales/Printable and Strethable Nanocomposites/Strategic Applications of Materials at Extreme Operational Conditions.

2023 ROY, Dipanjan (b. 1977) PhD, Associate Professor, Centre of Excellence in Brain Science & Applications, School of AIDE, Indian Institute of Technology Jodhpur, NH65 Nagaur Road, Karwar - 342030, Jodhpur; Res. H.No. 54, Behind SBI Kanhaiya Nagar, Shikargarh - 342015, Jodhpur; Tel. (0291) 2801752(O), 08297518507(M); Email : droy@iitj.ac.in; Sp. Brain Imaging and Mapping/Cognitive Neuroscience and Neurodevelopmental Disorders/Aging and Cognitive Functions.

ROY, Kalyan Kumar (b. 1940) PhD, FIGU, FAEG, FMGMI, FGMMI, Professor of Geophysics, Department of Geology and Geophysics, Indian Institute of Technology, Kharagpur - 721302; Res. Qtr.No.B-201, I.I.T. Campus, Kharagpur - 721302; Tel. (03222) 83378(O), 83379(R); Fax: 82268, 55303; Email: kkroy@gg.iitkgp.ac.in; Website: www.iitkgp.ac.in; Sp. Electrical and Electromagnetic Methods in Geophysics/ Potential Theory/Inverse Theory.

2013 ROY, Parimal (b. 1961) PhD, FNAAS, Former Director, ICAR-NIVEDI, Bengaluru; Res. Jamals Greenery, 119 Arcot Road, Valasaravakkam, Chennai – 600087; Tel. 09884472767(M); Email : parimalroy580@gmail.com; Sp. Veterinary Microbiology/Animal Health.

- 2002 ROY, Parth Sarathi (b.1952) PhD,FNAAS, FISRS, FNIE, Senior Fellow WRI India; NASI Senior Scientist; Res. B 504 Aparna Sarovar, Nallagandala, Hyderabad 500046; Tel. (040) 67768619(R), 09000971952(M); Email: psroy13@gmail.com; parth.roy@wri.org;Sp.Remote Sensing/Geoinformatics/Earth Observation.
- 2009 ROY, Prasun Kumar (b. 1957) MBBS, PhD, Professor, Laboratory on Neuroscience, Cognition & Brain Imaging, Department of Life Sciences, Shiv Nadar University, Greater Noida 201314; Tel. 09910831172(M); Email : prasun.roy@snu.edu.in, prasunkumarroy@gmail.com; Sp. Neuroimaging/ Computational Neuroscience/Clinical Neuroscience.

Council: Mem. 2021-22

- 2001 ROY, Probir (b. 1942) PhD, FNA, FASc, FAPS, Guest Scientist, Centre for Astroparticle Physics and Space Science, Bose Institute, Kolkata 700091; Res. CK 147, Sector 2, Bidhannagar, Kolkata 700091; Tel. (033) 46046628(R), 09432597896(M); Fax:25693127; Email: probirrana@gmail.com; probir.roy@saha.ac.in; Sp. Particle Physics: Field Theory & Phenomenology/ Astroparticle Physics.
- 2001 ROY, Raja (b. 1959) PhD, Scientist, NMR Laboratory, Division of RSIC, Central Drug Research Institute, Chattar Manzil, Lucknow 226001; Res. 124, Faizabad Road, Babuganj, Lucknow 226020; Tel. (0522) 2212411-18 Pabx Ext. 4400(O), 2787581(R); Fax: 2223405, 2223938; Email: rajaroy\_cdri@yahoo.com; Sp. Nuclear Magnetic Resonance.
- 2014 ROY, Rahul (b. 1959) PhD, FASc, Professor, Theoretical Statistics & Mathematics Unit, Indian Statistical Institute, 7 SJS Sansanwal Marg, New Delhi 110016; Res. A-7, Indian Statistical Institute, 7, SJS Sansanwal Marg, New Delhi 110016; Tel. (011) 41493905(O), 26964112(R), 09868929236 (M); Fax: 41493981; Email: rahul@isid.ac.in; Sp. Probability Theory.
- 2001 ROY, Rajendra P. (b. 1962) PhD, FNA, FASc, Dean, Regional Centre for Biotechnology, NCR Biotech Science Cluster, Faridabad Gurugram Expressway, Faridabad 121001, Haryana; Res. 603 RCB Faculty Housing, NCR Biotech Science Cluster, Faridabad Gurugram Expressway, Faridabad 121001, Haryana; Tel. (0129) 2848903(O), 09810577789(M); Email: rproy@rcb.res.in; Sp. Protein Chemistry/Chemical Biology.
- 2018 ROY, Satyajit (b. 1963), PhD, Professor, Department of Mathematics, Indian Institute of Technology Madras, Chennai 600036; Res. Q.No. B27-2C, Delhi Avenue, IIT Madras Campus, Chennai 600036; Tel. (044) 22574617(O), 22576617(R), 09444636946(M); Fax: 22574602; Email: sjroy@iitm.ac.in; Sp. Convective Heat and Mass Transfer.

1993 ROY, Shasanka Mohan (b. 1941) PhD,FNA, FASc, FTWAS, INSA Emeritus Scientist, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, V.N. Purav Marg, Mankhurd, Mumbai – 400088; Res. 501, Vigyan, Plot 23, Sector 17, Vashi, Navi Mumbai – 400703; Tel. (022) 27888961(R); Email: shasanka1@yahoo.co.in; Sp. High Energy Physics/Foundations of Quantum Theory.

- 2014 ROY, Sib Sankar (b. 1967) PhD, Principal Scientist, Cell Biology & Physiology Division, CSIR-Indian Institute of Chemical Biology, 4 Raja SC Mullick Road, Kolkata 700032; Res. Flat 3G, Block-3, Dakhineer Complex, 116, NSC Bose Road, Kolkata 700040; Tel. (033) 24995858(O), 24812780(R), 09433414568 (M); Fax: 24735197; Email: sibsankar@iicb.res.in; Sp. Cancer Biology/Insulin Resistance/Metabolic Disorders.
- 1988 ROY, Subimal (b. 1933) M.D., PhD, FNAMS, Formerly Professor & Head of Pathology, AllMS; Sr. Consultant, Dept. of Pathology, Sri Ganga Ram Hospital, Rajender Nagar, New Delhi 110060; Res. 58, Charak Sadan, Vikaspuri, New Delhi 110018; Tel. (011) 28530308(R), 09810245178(M); Email: subimalroy@hotmail.com; Sp. Histopathology/Neuropathology.
- 2016 ROY, Sukhdev (b. 1966) PhD, FNAE, FIETE, DFOSI, FSPIE, Professor & Head, Department of Physics & Computer Science, Dayalbagh Educational Institute, Agra 282005; Res. 3/119, Prem Nagar, Dayalbagh, Agra 282005; Tel. (0562) 2801545(O), 09997592600(M); Fax : 2801226; Email: sukhdevroy@gmail.com; sukhdevroy@dei.ac.in; Sp. Nano-Bio-Neuro-Photonics/Ultrafast Optical Information Processing.
- 2010 ROY, Syamal (b. 1954) PhD, FNA, FASc, JC Bose National Fellow, ICMR Emeritus Scientist, CSIR-Indian Institute of Chemical Biology, Jadavpur, Kolkata 700032; Former Vice-Chancellor, CBPB University, Coochbehar (WB); Res. 199, Jodhpur Park, Kolkata 700068; Tel. (033) 24995731/5700(O), 09874532967 (M); Fax: 24735197; Email: drsyamalroy@yahoo.com; Sp. Immunology/Parasitology.
- SA, Gaurisankar (b. 1960) PhD, FNA(Sg), FAScT, NASI Senior Scientist, Former Professor & Chairman, Division of Molecular Medicine, Bose Institute, P1/12, CIT Scheme VII M, Kolkata 700054; Res. 6F, Ballygunge Station Road, Kolkata 700019; Tel. (033) 25693258(O), 24423438(R), 09830017107(M); Fax: 23553886; Email: gauri@jcbose.ac.in; gaurisankarsa@yahoo.com; Sp. Cancer Biology/Tumor Immunology/Development of Immunotherapy/Drug development/DNA Vaccine/Genomic of Cancer, Biochemistry.
- 2015 SACHDEVA, Geetanjali (b. 1967) PhD, Director, ICMR-National Institute for Research in Reproductive and Child Health, JM Street, Parel, Mumbai 400012; Res. D-4 International Hostel cum Staff Qtrs., NIRRH, ICMR, 25-A, Dr. RG Thadani Marg, Worli, Mumbai; Tel. (022) 24192007/2008(O), 09769680147(M); Fax : 24139412; Email : sachdevag@nirrh.res.in; geetanjali\_sachdeva@yahoo.com; Sp. Reproductive Biology/ Steroid Signalling.

SAGAR, Ram (b. 1952) PhD, FASc, Formerly NASI Senior Scientist, Indian Institute of Astrophysics, Sarjapur Road, Koramangala, Bengaluru - 560034; Former Director, ARIES, Nainital; Res. House No. 610, 1st E Cross Road, 8th Block, Koramangala, Bengaluru - 560095; Tel. (080) 22541221(O), 25711283(R), 09886443436(M); Email: ram\_sagar0@yahoo.co.in; ramsagar @iiap.res.in; Sp. Optical Astronomy/Star Clusters/AGNS/ GR Bursts/Astrophysics/Microlensing.

Council: 2006-07, 2012-13

- SAHA-DASGUPTA, Tanusri (b. 1966) PhD, FNA, FASc, FTWAS, Senior Professor & Director, Dept. of Condensed Matter Physics and Materials Science, SN Bose National Centre for Basic Sciences, JD Block, Sector III, Salt Lake, Kolkata 700098; Res. Flat LX20504, UTSA Condoville, Rajarhat, New Town, Kolkata 700156; Tel. (033) 23355705(07) Extn. 207(O), 23241232(R); Fax: 23353477; Email: tanusri@bose.res.in; Sp. Condensed Matter Physics/ Materials Science/Electronic Structure.
- 2011 SAHA, Bhaskar (b. 1964) PhD, FASc, Scientist G, National Centre for Cell Science, Ganeshkhind, Pune 411007; Tel. (020) 25708138(O), 09422319945(M); Email : sahab@nccs.res.in; Sp. Immunology/Signal Transduction/Parasitology/Tumor Immunology/Immunometabolomics.
- 2006 SAHA, Nirmalendu (b. 1961) PhD,FZSI, Professor of Zoology, Biochemical Adaptation Lab., Department of Zoology, North-Eastern Hill University, Shillong 793022; Res. Qr.No. P-40, NEHU Permanent Campus, Shillong 793022; Tel. (0364) 2722322(O), 2550752(R), 09436100836(M); Fax: 2550076; Email: nsaha@nehu.ac.in; nsahanehu@hotmail.com; Sp. Comparative Animal Biochemistry and Physiology.
- 2021 SAHA, Swati (b. 1967) PhD, Professor, Department of Microbiology, University of Delhi South Campus, Benito Juarez Road, New Delhi 110021; Res. Type VA/2, University of Delhi South Campus, Benito Juarez Road, New Delhi 110021; Tel. (011) 24157380(O), 09911156268(M); Email: ssaha@south.du. ac.in; ss5gp@ yahoo.co.in; Sp. Molecular and Cell Biology of Leishmania Parasites.
- SAHNI, Ashok (b.1941) PhD(Minnesota),FNA,FASc,FAVH,FTWAS, Formerly INSA Senior Scientist and Professor Emeritus, CAS in Geology, Panjab University, Chandigarh; Res. 98, Mahatma Gandhi Marg, Lucknow 226001;Tel. (0522) 2740051(O), 2235385(R), 09956029934(M); Email: ashok.sahni@gmail. com; Sp. Vertebrate/Biostratigraphy/Bio mineralization.
  Countil: Mem. 2009-10
- 2001 SAHNI, Girish (b. 1956) PhD, FNA, FASc, Former Director General, CSIR & Secretary, Gol, DSIR, Anusandhan Bhawan, 2 Rafi Marg, New Delhi 110001; Tel. (011) 23710472, 23717053(O), 09888371548(M); Fax: 23710618; Email: dgcsir@csir.res.in; dg@csir.res.in; Sp. Enzymology/Protein Engineering/Protein Science Biotechnology.

1998 SAHNI, Varun (b. 1956) PhD(Moscow), FASc, FNA, FTWAS, Emeritus Professor, Inter University Centre for Astronomy & Astrophysics, Post Bag 4, Ganeshkhind, Pune-411007; Res. 6, Akashganga, IUCAA Housing Colony, Pune - 411007; Tel. (020) 25604112(O), 25604406(R); Email: varun@iucaa.in; Sp. Astrophysics.

2002 SAHNI, Vinod Chandra (b.1945) PhD, Former DAE Homi Bhabha Chair Professor, Bhabha Atomic Research Centre, Trombay, Mumbai-400085; Res. 806 Adonis, Raheja Acropolis 2, Deonar, Mumbai-400088; Tel. (022) 25592317(O), 20854922(R), 09326061631(M); Fax: 25505296; Email: vcsahni@barc.gov.in Sp. Condensed Matter Physics/UHV Based Analytical Instrumentation/Particle Accelerators.

2019 **SAHOO, Akhila Kumar** (b. 1972) PhD, Professor, School of Chemistry, University of Hyderabad, Gachibowli, Hyderabad - 500046, Telangana; Res. Flat No.G-105, Manjeera Diamond Towers, Nallagandla-Gopanpally, Hyderabad - 500046, Telangana; Tel. (040) 23134822(O), 09908221898(M); Email: akhilchemistry12@gmail.com; Sp. **Organic Chemistry.** 

SAHOO, Bijaya Kumar (b. 1977) PhD, Senior Professor, Atomic, Molecular and Optical Physics Division, Physical Research Laboratory, Ahmedabad - 380009; Res. E-08, PRL Residences, ISRO Colony, Vikramnagar, Ambli-Bhopal Road, Ahmedabad - 380058; Tel. (079) 26314455(O), 29600210(R), 09726046778 (M); Fax: 26314000; Email: bijaya@prl.res.in; bijayakumar. sahoo@gmail.com; Sp. Many-Body Methods/Atomic Theory/ Sub-Atomic Phenomena.

2017 SAHOO, Dinabandhu (b. 1961) PhD, Director, Institute of Bioresources & Sustainable Development, Takyelpat, Imphal, Manipur-795001; Res.Flat No.90, Pocket-1, Sector-1, Dwaraka, New Delhi-110075; Tel.08132953575, 098181651978(M); Email: dbsahoo@hotmail.com; Sp. Algae and Bioresources.

2009 SAHU, Arvind (b. 1963) PhD, FNA, FASc, Dean, Scientist G & JC
Bose National Fellow, National Centre for Cell Science, Pune
University Campus, Ganeshkind, Pune - 411007; Res.
Jyotirmay, 36 Freedom Park, Vishal Nagar, Pimple
Nilakh,Pune-411027;Tel.(020) 25708083(O), 25692156(R),
09422320062(M); Fax: 25692259; Email: arvindsahu@
nccs.res.in; Sp. Complement Biology/Molecular Virology.

2010 SAIDAPUR, Srinivas K. (b. 1947) PhD, FASc, FNA, FTWAS, Former Vice-Chancellor, Karnatak University, Dharwad; Res. Trigunatmika Apartments TF-1, Bharati Nagar, Hliyal Road, Near Dasankoppa Circle, Saptapur, Dharwad - 580001; Tel. 09663378259(M); Email : saidapur@gmail.com; Sp. Reproductive Biology/ Animal Behavior/Evolution.

2011 SAIKIA, Dhruba Jyoti (b. 1956) PhD, Head, Teaching Learning Centre and National Resource Centre, Astronomy Centre for Educators, Inter University Centre for Astronomy and Astrophysics, SP Pune University Campus, Pune - 411007; Founding Vice-Chancellor, Cotton University, Guwahati; Tel. 09401034386, 8275698178(M); Email : dhrubasaikia.tifr.ccsu@gmail.com; dhrubasaikia@iucaa.in; Sp. Astronomy & Astrophysics.

2011 SAIN, Kalachand (b. 1964) PhD, FNA, FASc, FAPAS, FTAS, FGSI, FIGU, Director, Wadia Institute of Himalayan Geology, 33, General Mahadeo Singh Road, Dehradun - 248001; Tel. (0135) 2525101(O), Email: dir.off@wihg.res.in; kalachandsain7@ gmail.com; Sp. Inversion, Modeling and Machine Learning: Investigation of Gas Hydrates, Imaging Subvolcanic Sediments, Understanding Geotectonics and Earthquake Processes.

- 2007 SAINI, Malkiat Singh (b. 1950) PhD, D.Sc., E.K. Janaki Ammal Awardee, Department of Zoology, Punjabi University, Patiala 147002; Res. #20, New Mehar Singh Colony, Tripuri, Patiala 147001; Tel. (0175) 3046334(O), 2351832(R), 09417120251 (M); Fax: 228373; Email: saini20@hotmail.com; Sp. Insect Morphology/Insect Systematics.
- 2002 SAINIS, Krishna Balaji (b.1949) PhD, Former Raja Ramanna Fellow, Former Director, Bio-Medical Group, Bhabha Atomic Research Centre, Trombay, Mumbai 400085; Res. CH-I/44, Kendriya Vihar (5) CHS, Sector-11, Kharghar, Navi Mumbai-410210; Tel. (022) 27742155(R), 09869410374(M); Email: sainis1949@gmail.com; Sp. Immunology/Radiation Biology/Cancer Biology/Medicinal Plants/Antioxidants.
- 2008 SALOTRA, Poonam (b.1955) PhD, FNA, FAMS, FTWAS, Advisor (ICMR) & JC Bose Fellow, ICMR-National Institute of Pathology, Safdarjung Hospital Campus, New Delhi 110029; Res. C145 Sarvodaya Enclave, New Delhi 110017; Tel. (011) 26166124, 26198402(O), 26967340(R), 09810675005(M); Fax: 26166124, 26198401; Email: salotra@vsnl.com; poonamsalotra@hotmail.com; Sp. Molecular Parasitology.
- SALUNKE, Dinakar M. (b. 1955) PhD, FNA, FASc, FTWAS, Director, International Centre for Genetic Engineering and Biotechnology, ICGEB Campus, PO Box 10504, Aruna Asaf Ali Marg, New Delhi 110067; Res. B54, GF, South End Floors, Sector 49, Sohna Road, Gurgaon 122018; Tel. (011) 26742317(O), 09650782444(M); Fax : 26742316; Email: icgeb.director@ gmail.com; Sp.Structural Biology.

Council: Mem. 2007-08

- SAMANTA, Anunay (b. 1956) PhD, FNA, FASc, Senior Professor and JC Bose National Fellow, School of Chemistry, University of Hyderabad, Hyderabad 500046; Res. A-2, Faculty Qtrs., University of Hyderabad, Hyderabad 500046; Tel. (040) 23134813(O), 23010715(R), 09440499681(M); Fax: 23011594; Email: anunay@uohyd.ac.in; anunay.samanta@gmail.com; Sp. Photochemistry/Photophysics/Ultrafast Spectroscopy. Council: Mem. 2018-19
- 2023 SAMANTA, Luna (b. 1970) PhD, Professor of Zoology, Director (R&D), Coordinator, Center of Excellence for Environment and Public Health, Ravenshaw University, Cuttack 753003; Res. Duplex-342, Manorama Estate, Rasulgarh, Bhubaneswar; Tel. (0671)2201690(O),(0674)2957980(R),09437285500,078479685 01(M) Fax: 2201690; Email: Isamanta@ravenshawuniversity. ac.in; luna\_samanta@rediffmail. Sp. Male Infertility and Contraception/Active Oxygen Metabolism/ Proteomics.

2010 SAMANT, Sher Singh (b. 1962) PhD, DSc, Former Director, ICFRE-Himalyan Forest Research Institute, Shimla, HP; Emeritus Scientist/Advisor, UCOST - Manaskhand Science Centre, Almora – 263601, Uttarakhand; Res. A-53, Judge Farma, Mukhani, Haldwani – 263139, Dist. Nainital, Uttarakhand; Tel. 09816316318(M); Email: samantss2@ rediffmail.com; samantss2@gmail.com; Sp. Plant Taxonomy/ Biodiversity Conservation & Management/Medicinal Plants Conservation/Forestry Research and Education.
2009 SAMI. Mohammad (b. 1955) PhD, FASc, Professor & Director.

SAMI, Mohammad (b. 1955) PhD, FASc, Professor & Director, Centre for Cosmology and Science Popularization, SGT University, Gurgaon-Badli Road, Chandu, Budhera, Gurugram, Haryana - 1225050; Res. C-153, Sector 44, Noida, Gautam Budh Nagar - 2013030; Tel. 09990840273(M); Email: sami\_ccsp@sgtuniversity.org; samijamia@gmail.com; Sp.

Cosmology/Gravitation/High Energy Physics.

SAMPATHKUMARAN, Echur Varadadesikan (b. 1954) PhD, FNA, FASc, FTWAS, Distinguished Professor, Department of Condensed Matter Physics & Materials Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai- 400005; Res. 610, "Bhaskara", TIFR Housing Complex, Homi Bhabha Road, Colaba, Mumbai - 400005; Tel. (022) 22782437/22782439(O), 22804977, 22783437(R), 09892100402(M); Fax: 22804610, 22804611; Email: sampath@mailhost.tifr.res.in; sampathev@gmail.com; Sp. Magnetism/Superconductivity/Alloys/ Multiferroics.

SANDHU, Jagir Singh (b. 1942) PhD, FNA, INSA Honorary Scientist, Department of Chemistry, Punjabi University, Patiala - 147002; Res. Lalhari Road, Near Petrol Pump, Khanna - 141401; Tel. (0175) 3046409-10(O), (01628) 237017(R); Email: i\_sandhu2002@yahoo.com; Sp. Synthetic Organic

Chemistry/Bio-organic Chemistry/Multiferroics.

1987

1983 SANDHU, Rajindar Singh (b. 1931) Dr.Nat.Sc.(Zurich), UGC Emeritus Fellow, Department of Medical Mycology, V.P. Chest Institute, University of Delhi; Res. #150, Sector 45A, Chandigarh - 160047; Tel. (0172) 612333; Sp. Microbiology/Mycology/Cell Physiology/Molecular & Membrane Biology.

1987 SANE, Prafullachandra Vishnu (b. 1937) PhD(Canada), FNA, FASc, FNAAS, Formerly Director, National Botanical Research Institute, Lucknow; Res. C-739/B, Sector C, Mahanagar Extension, Lucknow - 226006; Tel. Email : rajsane@hotmail.com; saneraj@rediffmail.com; Sp.Photosynthesis/Plant Biochemistry/Plant Molecular Biology.

2020 SANGWAN, Neelam S. (b. 1966) PhD, FNA, FNAAS, Professor & Dean, Research, Dean, School of Interdisciplinary and Applied Sciences, Head, Department of Biochemistry, Central University of Haryana, Jant-Pali, Mahendergarh - 123029; Res. House No. 402, Type V, Residential Complex, Central University of Haryana, Mahendergarh - 123029; Tel. 09415766696(M); Email: drneelamsangwan@gmail.com; Sp. Medicinal and Aromatic Plants/Functional Genomics/Metabolic Pathways of Aroma Chemicals and Specialized Phytopharmaceuticals/ Phytopharmaceuticals for Health and Agriculture.

SANGWAN, Rajendra Singh (b. 1958) PhD, FNA, FNAAS, FISAB, Director (Vice Chancellor), Academy of Scientific and Innovative Research (AcSIR), AcSIR Campus at CSIR-HRDC, Sector 19, Kamla Nehru Nagar, Ghaziabad - 201002; Res. House No. 100, Sector 25, Indira Nagar, Lucknow - 226016; Tel. 09451246764, 09915035566(M); Email : sangwan.lab@gmail.com; sangwan@acsir.res.in; dr.sangwan@ gmail.com; Sp. Medicinal and Aromatic Plants Secondary Metabolism/Biochemistry/Biotechnology, Secondary Agriculture Bioprocessing for Resource Recovery and Valued Added Products, Synthetic Biology for Health and High Value Biomolecules.

- 2002 SANJAPPA, Munivenkatappa (b.1951) PhD,FNA,FASc,FBS, INSA Honorary Scientist, Former Director, BSI; CSIR Emeritus Scientist & INSA Senior Scientist, Mahatma Gandhi Botanical Garden, University of Agricultural Sciences, GKVK, Bengaluru 560065; Res. 504, Block C-7, Bellary Road, Yelahanka, Bengaluru 560064; Tel. (080) 23330153 Ext. 302(O), 28560045(R); 09972035160(M); Email: sanjappam@ymail.com; drmsanjappabsi@gmail.com; Sp. Taxonomy & Conservation.
- 1994 SANKARAN, N. (b. 1935) PhD, Formerly Professor, Panjab University, Chandigarh; Res. 516, I Cross, 8th Main, Koramangala, Block IV, Bangalore 560034; Tel. (080) 25538028(R); Email: sankaran35@yahoo.com; Sp. Commutative Algebra.
- 2006 SANKARAN, Parameswaran (b. 1959) PhD, FASc, FNA, Professor, Chennai Mathematical Institute, H1 SIPCOT IT Park, Siruseri, Kelambakkam 603103; Res. 24, Second Cross Street, Shastri Nagar, Adyar, Chennai 600020; Tel. (044) 71961022(O), 09940139682(M); Fax: 27470225; Email: sankaran@cmi.ac.in; Sp. Topology/Algebraic groups.
- 2004 SANKARANARAYANAN, Ayyadurai (b. 1961) PhD, Professor, School of Mathematics & Statistics, University of Hyderabad, Prof. CNR Rao Road, Gachibowli, Hyderabad 500046; Tel. (040) 23134004(O), 07304378792(M); Email: sank@math. tifr.res.in; Sp. Analytic Number Theory/Elementary Number Theory.
- 2010 SANKARANARAYANAN, Rajan (b. 1968) PhD, FNA, FASc, Outstanding Scientist, Structural Biology Laboratory, Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007; Res. 1-2-99/D, Street No. 2, Kakateeya Nagar, Habsiguda, Hyderabad 500076; Tel. (040) 27192832(O), 27171504(R), 09866497744 (M); Fax: 27160591; Email: sankar@ccmb.res.in; Sp. Structural Biology/Translation Quality Control/X-Ray Crystallography.
- 2020 SANTRA, Manas Kumar (b. 1974) PhD, Scientist F, Laboratory 12, National Centre for Cell Science, SP Pune University, Ganeshkhind Road, Pune 411007; Res. IV-SPL-D4, NCCS Colony, National Centre for Cell Science, SP Pune University Campus, Ganeshkhind Road, Pune 411007; Tel. (020) 25708150(O), 25708086(R), 09423863879, 09021297404(M); Fax: 25692259; Email: manas@nccs.res.in; manas56@gmail. com; Sp. Cancer Biology/Cell Cycle/Cellular Signaling.

SANYAL, Kaustuv (b. 1969) PhD, FNA, FASc, Professor, Molecular Mycology Laboratory, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur Post, Bangalore-560064; Res. #C-412, MV Royal Homes, Srirampura, Jakkur Post, Bangalore - 560064; Tel. (080) 22082878(O), 23627661(R), 09449810323(M); Fax: 22082766; Email: sanyal@jncasr.ac.in; wwwsanyal@gmail.com; Sp. Eukaryotic Chromosome Segregation/Centromere Kinetochore/Epigentics.

SANYAL, Milan Kumar (b.1954) PhD,FNA,FASc,FTWAS, Emeritus Professor & Former Director, Saha Institute of Nuclear Physics, 1/AF Bidhan Nagar, Kolkata - 700064; Adjunct Professor, JNCASR, Jakkur PO, Bengaluru - 560064; Res. AE-473, Sector 1, Bidhan Nagar, Kolkata - 700064; Tel. (033) 23214763 (O), 35537230(R); Fax : 23374637; Email: milank.sanyal@saha.ac.in; milank.sanyal@gmail.com; Sp. Condensed Matter Physics/Surface Science/ Nanomaterials /Synchrotron X-Ray Scattering.

2016 SANYAL, Sabyasachi (b. 1973) PhD, Principal Scientist, Central Drug Research Instt., 10 Janakipuram Extn., Sitapur Road, Lucknow - 226031; Res. Flat No.204, E-1, Eldeco Eden Park, Kursi Road, Lucknow - 226021; Tel. (0522) 2772450(O), 09792366322(M); Fax: 2771941; Email: sanyal@cdri.res.in; Sp. Molecular & Cell Biology/Cell Signaling/Drug Discovery.

SARAN, Anil (b. 1940) DPhil, FNA, INSA Honorary Scientist, Department of Pharmaceutical Chemistry, Bombay College of Pharmacy, Kalina, Santacruz (East), Mumbai - 400098; Formerly Professor 'H' at TIFR, Mumbai; Res. Flat No. 41, Fourth Floor, New Cosmos Co-op.Hsg.Society, Juhu-Versova Link Road, Andheri (West), Mumbai - 400053; Tel. (022) 26670871 Ext. 1027(O), 26288483(R), 09819111024(M); Fax: 26670816; Email : anilsaran@gmail.com; Sp. Molecular Biophysics/ Magnetic Resonance/Quantum Biology & Pharmacology.

2022 SARAVANAN, Shanmugam (b. 1974) PhD, Professor & Head, Department of Mathematics, Bharathiar University, Coimbatore - 641046; Res. 9, Second Street, Surya Garden, Peelamedu, Coimbatore-641004; Tel. (0422) 2428411(O), 09442637257(M); Email : sshravan@buc.edu.in; drsshravan@gmai.com; Sp. Applied Mathematics/Fluid Dynamics/Flow Instabilities.

2008 SARIN, Manmohan (b.1951) PhD,FASc,FNA, SERB Distinguished Fellow, Geosciences Division, Physical Research Laboratory, Navrangpura, Ahmedabad - 380009; Res. A-301, Shashwat Apt., Opp. Bodakdev Municipal Office, Bodakdev, Ahmedabad - 380054; Tel. (079) 26314939(O), 26858711(R), 09426727301 (M); Fax: 26314900; Email: sarin@prl.res.in; Sp. Atmospheric and Aerosol Chemistry/Oceanography.

2011 SARIN, Neera Bhalla (b. 1950) PhD, Professor & Dean, School of Life Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. B-1/75, Janak Puri, New Delhi - 110058; Tel. (011) 26704530(O), 26704523(R); Fax: 26742558; Email: neerasarin@rediffmail.com; Sp. Tissue Culture/Transformation of Brassica and Legumes for Abiotic Stress Tolerance/Developmental Biology.

SARIN, Shiv Kumar (b. 1952) MBBS, MD, DM, FNA, FASc, FAMS, Director, Institute of Liver and Biliary Sciences, D1, Vasant Kunj, New Delhi - 110070; Res. 63, New Moti Bagh, New Delhi-110023; Tel.(011) 46300000(O), 26873563(R); Fax: 26123504; Email: sksarin@ilbs.in; shivsarin@gmail.com; Sp. Gastroenterology and Hepatology.

- SARKAR, Ananda Kumar (b. 1973) PhD, Professor, Room # 305, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067; Res. NIPGR Campus, Aruna Asaf Ali Marg, New Delhi 110067; Tel. (011) 26704523(O), 09953811160(M); Email : aksarkar.jnu@gmail.com; anandaksarkar@mail.jnu. ac.in; Sp. Plant Molecular Biology/Plant Development/Plant Small RNA.
- SARKAR, Chitra, (b. 1955) MD, FNA, FASc, FRC (Path), Professor of Pathology, Department of Pathology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029; Res.CII/9, Ansari Nagar (East), AlIMS Campus, New Delhi 110029; Tel. (011) 26593371(O), 26588390(R), 09810181945, 09968856940(M); Fax: 26588663; Email: sarkar.chitra@gmail.com; Sp. Pathology/ Neuropathology/ Neuro-Oncology.
- SARKAR, Debi Prasad (b.1958) PhD, FNA,FASc, FAScT, Visiting Professor, Department of Chemistry, Ashoka University, Sonepath, Haryana; Former Senior Professor, Director, IISER Mohali; Dept. of Biochemistry, University of Delhi South Campus, Benito Juarez Road, Dhaula Kuan, New Delhi 110021; Res. Flat No. 2E, Shivalika CGHS Apartment, Sector 9, Plot 16, Dwarka, New Delhi 110077; Tel. 09810696767(M); Email: debi.sarkar@south.du.ac.in; dpsarkar59@gmail.com; Sp. Biochemistry/Molecular Cell Biology/Biotechnology.
- 2019 SARKAR, Dibyendu (b. 1968) PhD, Chief Scientist, CSIR-Institute of Microbial Technology, Sec-39A, Chandigarh 160036; Res. E-12, IMTECH Housing, Sec-39A, Chandigarh 160036; Tel. (0172) 6665258(O), 6665512(R), 09872791155(M); Fax: 2690585; Email: dibyendu@imtech.res.in; Sp. Bacterial Gene Regulation/Signal Transduction/Virulence Regulation of Mycobacteria.
- 2023 SARKAR, Jaydeb (b. 1976) PhD, Professor, Statistics & Mathematics Unit, Indian Statistical Institute, 8th Mile, Mysore Road, RVCE Post, Bangalore 560059; Res. 226/2, 1st Cross, Sapthagiri Residency, 8th Mile, Mysore Road, RVCE Post, Bangalore 560059; Tel. (080) 26985479(O), 09483328070(M); Fax: 28484256; Email: jay@isibang.ac.in; jaydeb@gmail.com; Sp. Operator Theory/Analytic Function Theory/Banach Spaces.
- 2018 SARKAR, Nilmoni (b. 1965), PhD, Professor, Department of Chemistry, IIT Kharagpur, Kharagpur 721302, WB; Res. Q.No. A-133, Gurukul Complex, Kajubagan IIT Kharagpur Campus Kharagpur 721302, WB; Tel. (03222) 283332(O), 283333(R), 09434958913, 09564205745(M); Fax: 255303; Email: nilmoni@chem.iitkgp.ac.in; Sp. Physical Chemistry/Ultrafast Spectroscopy/Photochemistry.

2017 SARKAR, Sagartirtha (b. 1966) PhD, FWAST, Professor, Department of Zoology, University of Calcutta, 35, Ballygunge Circular Road, Kolkata - 700019; Res. T-19, Panchasayar, Kolkata - 700094; Tel. (033) 24615445 Ext.283(O), 64611309(R), 09830559871(M); Fax: 24614849; sagartirtha. sarkar@gmail.com; Sp. Molecular Cardiology/Cell Biology.

- 2008 SARKAR, Utpal (b.1956) PhD, FNA, FASc, DAE Raja Ramanna Fellow, Indian Institute of Science Education and Research Kolkata, Mohanpur 741246; Res. B-04/208 Kalyani, Nadia, WB 741235; Tel. 09898586326(M); Email: utpal.sarkar@iiserkol.ac.in; utpal.sarkar.prl@gmail.com; Sp. Theoretical Particle and Astroparticle Physics.
- SARMA, Puranam Bhaskara Seshadri (b. 1938) PhD, FNAAS, FIE, FIAH, Formerly Professor & Project Director, Water Technology Centre and Chairman, School of Resource Management, Indian Agricultural Research Institute, New Delhi & Former Professor Emeritus, Department of Civil Engineering, Indian Institute of Technology, Delhi; Res. B2-501, Sunny Valley, Plot # 27, Sector 12, Dwarka, New Delhi 110078; Tel. (011) 47522501(R), 09873222125(M); Email : pbssarma @yahoo.com; Sp. Water Resources Engineering/ Irrigation Water Management.
- 1989 SASISEKHARAN, Vishwanathan (b. 1933), PhD, FNA, FASc, Formerly Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore; Res. Apartment 7B, Massachusetts Avenue, Cambridge, MA 02140, USA; Tel. (001) 6173543510(R); Email: sasi@mit.edu; Sp. Biomolecular Structure & Function.
- 2015 SASTRY, Pidaparthy Subbayya (b. 1959) PhD, FNAE, Professor, Department of Electrical Engineering, Indian Institute of Science, Bangalore 560012; Res. Flat 3, Sri Guru Nivas, 1st Main, Amarjyothi Layout, Sanjay Nagar, Bangalore 560094; Tel. (080) 22932934(O), 23516213(R); Fax: 23600444; Email: sastry@iisc.ac.in:
- 2008 SASTRY, Srikanth (b.1964) PhD(Boston), FNA, FASc, Professor, Theoretical Science Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur Campus, Bengaluru 560064; Res. No.5(JP) 6<sup>th</sup> Cross, LIC Colony, Jayanagar III Block (East), Bengaluru 560011; Tel. (080) 22082838(O), 09448386838(M); Fax: 22082766; Email: sastry@jncasr.ac.in; Sp. Theoretical Physics/Applied Physics.
- 2010 SATHEESH, Sreedharan Krishnakumari (b. 1970) PhD, FASc, FNA, FTWAS, Professor, Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bangalore 560012; Res. D227, NHC, IISc Campus, Bangalore 560012; Tel. (080) 22933070(O), 23600275(R), 09448360274(M); Fax: 23600865; Email: profsks@gmail.com; Sp. Aerosols/Clouds/Climate.
- 1998 **SATISH, Sheo** (b. 1948) PhD, Post Doc.Fellow, International Civil Servant, Organisation for Prohibition Chemical Weapons, The Hague, The Netherlands; Res. B 26, Industrial Society, New Sama Road, Vadodara 390024; Tel. 09913426790(M); Email: sheosatish@hotmail.com; Sp. **Organic Chemistry.**

1992 SATYAVATI, Gowdagere Vedanti (b. 1937) M.B.B.S., M.D., Formerly Director General, Indian Council of Medical Research, New Delhi; Res. "Prasad Nelaya", D-55/82 East End 'B', Main Road, 9th Block, Jayanagar, Bangalore - 560069; Tel. (080) 6634350(R); Sp. Pharmacology/Medicinal Plants/Scientific Editing.

2017 SAU, Apurba Kumar (b. 1970) PhD, Staff Scientist VII, National Ínstitute of Immunology, Aruna Ásaf Ali Marg, New Delhi -110067; Res. A-4, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26703768, 26715027(O), 26703798, 26741135(R), 09899731698(M) Fax: 26742626, 26742125; Email : apurbaksau@gmail.com; apurba@nii.res.in; Sp. Enzyme Regulation/Biochemistry/ Biophysics.

2000

SAVITHRI, Handanahal S. (b. 1951) PhD, FNA, FASc, Former Professor & Chairman, Department of Biochemistry, Indian Institute of Science, Bengaluru; Res. 531, Beladingalu, 14th Main, I Stage, I Phase, Gokul, Bengaluru - 560054; Tel. (080) 23601561(Ŏ), 23372981(R), 09448379380(M); Fax: 23601814; hss@alumni.iisc.ac.in; hssavithri@gmail.com; Molecular Plant Virology/ Proteins Chemistry/Enzymology.

2015 SAWANT, Samir Vishwanath (b. 1972) PhD, Chief Scientist, Molecular Biology and Biotechnology Division, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow -226001; Res. N-1502, Celebrity Greens, Sushant Golf City, Lucknow - 226030; Tel. (0522) 2297947(O), 09335913542(M); Fax: 2205839; Email: samirsawant@nbri.res.in; Sp. Molecular

Biology/Genomics/Gene Regulation.

SAXENA, Manoj (b. 1977) PhD, FIETE, FOSI, Professor, Department of Electronics, Deen Dayal Upadhyaya College, 2021 University of Delhi, Sector 3, Dwarka, New Delhi - 110078; Res. B-422 Panchvati Appartment, F-Block, Vikaspuri, New Delhi -110018; Tel. (011) 20892067(O), 28531418(R), 09968393104 (M); Email: msaxena@ddu.du.ac.in; msaxena@ieee.org; Sp. Nanoelectronics/Semiconductor Device Simulation/ Compact Modelling.

2021 SAXENA, Nitin (b. 1981) PhD, FNA, FASc, FNAE, JC Bose Fellow, Professor (N Rama Rao Chair), RM 203, Department of CSE, IIT Kanpur, Kanpur - 208016; Res. D-304, Faculty Apartments, IIT Kanpur, Kanpur - 208016; Tel. (0512) 6797588(O), 6798615(R), 08953036836(M); Email: nitin@cse.iitk.ac.in; Sp. Algebraic Complexity Theory/Computational Algebra &

Number Theory/ Cryptology.

1973 SAXENA, Pramod Ranjan (b. 1939) MD(Hons.), Former Professor & Head of Pharmacology; Erasmus Medical Center, Rotterdam, Boksdoom 7, 2923 EA Krimpen aan den IJssel, The Netherlands; Tel. +31 180516194(R); Email: prsaxena2002@ gmail.com; Sp. Pharmacology.

1997 SAXENA, Rajiv Krishna (b.1951) PhD, FNA, FASc, INSA Senior Scientist & JC Bose National Research Fellow, Faculty of Life Sciences and Biotechnology, SAU, Akbar Bhawan, Chanakya Puri, New Delhi – 110021; Res. 27 Empire Estate, Sultanpur, M.G. Road, New Delhi - 110030; Tel. 09910048241(M); Fax : 24122511; Email: rajivkrishnasaxena@gmail.com, rksaxena@ sau.int; Website: www.rajivsaxena.info; Sp. Immunology, Nano-particles Nanotoxicology, Hematopoiesis, Interactions with Cells and Biological Systems.

1973 SAXENA, Ram Kishore (b. 1936) PhD, D.Sc., Formerly Professor & Head of Mathematics and Dean, Faculty of Science, J.N.V. University, Jodhpur; Res. Plot No. 34, Panch Batti Circle, Ratanada, Jodhpur-342011; Tel. (0291) 2721914(O), 2511434(R); Email: ram.saxena@yahoo.com; Sp. Special Functions/Integral Transforms/Fractional Calculus.

2001 **SEHGAL, Subhash C.** (b. 1946) MD, FRCPath, FAMS, FIMSA, Director, Hospital Administration & Medical Research and Professor of Microbiology, ASC College of Medical Sciences & Hospital, Sidhra, Jammu - 180017; Tel. (0191) 2662536(O), 09419795580(M); Fax: 2662360; Email:sehgalsc@rediffmail. com; Sp. **Medical Microbiology/Infectious Diseases.** 

1988 SEHGAL, Virendra Nath (b. 1936) M.D., FAMS, FRAS(Lond.), Consultant/Practicing Dermato-Venereologist; Dermato-Venereology (Skin/VD) Centre, Sehgal Nursing Home, A-6, Panchwati, Opp. New Subzi Mandi, New Delhi-110033; Tel. (011) 27675363(O), 09810182241(M); Fax: 27670373; Email: drsehgal@ndf.vsnl.net.in; Sp. Dermatology/Venereology/Leprology.

SEN, Abhijit (b. 1946) PhD, FNA, FASc, Emeritus Professor & INSA Honorary Scientist, Institute for Plasma Research, BHAT, Gandhinagar - 382428; Res. 846 Nandanvan Society, Near Karnavati Club, SG Road, Ahmedabad – 380058; Tel. (079) 23969023, 23962048(O), 26926749(R), 09825051578(M); Fax: 23969016, 23969017; Email: abhijit@ipr.res.in; senabhijit@gmail.com; Sp. Plasma Physics/Nonlinear Dynamics.

Council: Mem. 2000-2001

2016 SEN, Anjan Ananda (b. 1971) PhD, Professor, Center for Theoretical Physics Jamia Millia Islamia, Jamia Nagar, New Delhi - 110025; Res. D 1206 Vijaya Apt., Ahinsa Khand-2, Indirapuram, Ghaziabad - 201010; Tel. (011) 26984830(O), 4131305(R); Email: aasen@jmi.ac.in; anjsen@gmail.com; Sp. Gravity/Cosmology/Astrophysics.

1997 SEN, Ashoke (b.1956) PhD, FNA, FASc, FRS, Professor, Harish Chandra Research Institute, Chhatnag Road, Jhusi, Prayagraj - 211019; Res. E1, Harish Chandra Research Institute, Chhatnag Road, Jhusi, Prayagraj - 211019; Tel. (0532) 2274302(O), 2274002(R); Fax: 2569576; Email: sen@hri.res.in; Sp. String Theory.

Award: Prof.A.C.Banerji Mem. Lecture Award -Nat.Acad.Sci.India (1999).

2009 SEN, Diptiman (b. 1959) PhD,FNA,FASc, Professor, Centre for High Energy Physics, Indian Institute of Science, Bengaluru-560012; Res. V1-108, No. 29/1-1 Kalpana Chawla Road, Bengaluru - 560094; Tel. (080) 22932974(O); Fax: 23600683; Email : diptiman@iisc.ac.in; Sp. Theoretical Condensed Matter Physics/Quantum Field Theory.

2014 SEN, Ellora (b. 1969) PhD, Scientist V, National Brain Research Centre, NH-8, Nainwal Mode, Manesar - 122051; Res. House No. 202B, NBRC Campus, NBRC, NH-8, Nainwal Mode, Manesar - 122051; Tel. (0124) 2845235(O), 09910120457(M); Fax: 2338910; Email: ellora@nbrc.ac.in; ellora.sen@gmail.com; Sp. Molecular & Cell Biology/Immunology/Molecular Medicine.

2011 SEN. Ranian (b. 1966) PhD. Staff Scientist, CDFD. Hyderabad -500039; Res. 503B, Surya Towers, Road No. 2, Sneha Puri Colony, Nacharam, Hyderabad - 500076; Tel. (040) 27216103(O), 27158703(R); Email: rsen@cdfd.org.in; Sp. Biochemistry/Biophysics/Microbiology.

SEN, Sisir Kumar (b. 1929) M.S.(Chicago), PhD(Chicago), FNA, 1991 Formerly INSA Senior Scientist, Department of Geological Sciences, Jadavpur University, Kolkata; Formerly Professor & Dean, IIT, Kharagpur; Res. H-4 Indraprastha Apartments, Plot No. 114 I.P. Extension, Patparganj, Delhi - 110092; Tel. (011) 42233512(R), 09971661943(M); Email: sksen201030@gmail. com; nimsen1929@yahoo.com; Sp. Metamorphic Petrology/ Geochemistry.

1991 SEN, Sumitra (b. 1934) PhD, D.Sc., Formerly Emeritus Fellow-UGC, Head and Progrmame Coordinator, CAS (Cell and Chromosome Research), Department of Botany, University of Calcutta, 35, B.C. Road, Kolkata - 700019; Res. 12/1, Swinhoe Street, Kolkata - 700019; Tel. (033) 24615445(O), 09874041201(M); Fax: 24614849; 24407491(R), Cytogenetics/Cell Biology/Tissue Culture.

2008 SENANI, Raj (b.1950) PhD, Honorary Professor, Electronics & Communication Engineering Department, Netaji Subhas University of Technology, Sector 3, Dwarka, New Delhi -110078; Res. G-103, Ispatika Apartments, Plot #29, Sector 4, Dwarka, New Delhi - 110078; Tel. (011) 45548678(R), 09899168678(M); Email: dr\_senani@yahoo.com; drsenani@ gmail.com; Sp. Analog Integrated Circuits and Signal Processing/Analog VLSI Circuits and Systems.

1999 SEN GUPTA, Amitava (b. 1953) PhD, FIETE, Scientist - F, National Physical Laboratory, K.S. Krishnan Marg, New Delhi - 110012; Res. K-2072, Chittaranjan Park, New Delhi - 110019; Tel. (011) 25787161 Ext.2343, 25851506(O), 26463667(R), Sp. Radio Physics/Electronics/Time & Freq. Standards.

2010 SENGUPTA, Ashis (b. 1953) PhD, FASA(USA), Professor, Applied Statistics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata- 700108; Res. 14D/1E Dum Dum Road, Kolkata-700030; Tel. (033) 25752827/2828/2800(O), 25568750(R), 09432138425(M); Email: amsseng@gmail.com; ashis@isical. ac.in; Sp. Multivariate Inference/Directional Data Analysis/ Reliability.

2023 SENGUPTA, Debarka (b. 1983) PhD, Associate Professor & Head, Infosys Centre for AI, Indraprastha Institute of Information Technology, Delhi, Okhla Phase 3, Delhi - 110020; Res. B202 Faculty Residence, Indraprastha Institute of Information Technology, Delhi, Okhala Phase 3, Delhi - 110020; Tel. (011) 26907446(O), 09831307912(M); Email: debarka@iiitd.ac.in; Sp. Computational Biology/Mechine Learning.

2013 SENGUPTA, Krishnendu (b. 1970) PhD, FASc, FNA, Senior Professor, Department of Theoretical Physics, Association for the Cultivation of Sciences, 2A & 2B Raja SC Mullick Road, Jadavpur, Kolkata - 700032; Res. 6/15 PB Road, Behala, Kolkata- 700034; Tel. (033) 24734971 Extn. 2192(O), 09830178500(M); Email: tpks@iacs.res.in; ksengupta1@

gmail.com; Sp. Condensed Matter Theory.

1994 SENGUPTA, P.R. PhD, DSc, FAScT, FIMA(UK), Professor, Department of Mathematics, University of Kalyani, Kalyani - 741 235; Res. 201, Manicktalla Main Road, Flat No. 42, Kolkata -700 054;

- SENGUPTA, Rabindra Nath (b. 1932) Filosofie Doktor (Sweden), Emeritus Scientist, National Institute of Oceanography, P.O. NIO, Dona Paula, Goa-403004; Res. 'Mira Vue', Miramar, Panaji, Goa-403001; Tel. (0832) 226253(O),227289(R); Sp. Chemical Oceanography/Marine Pollution.
- 2015 **SENGUPTA, Sagar** (b. 1968) PhD, FNA, FASc, Director, National Institute of Biomedical Genomics, Near Netaji Subhas Sanatorium Post Office, Kalyani, West Bengal 741251; Res. Director's Bungalow, National Institute of Biomedical Genomics, Near Netaji Subhas Sanatorium Post Office, Kalyani, West Bengal 741251; Tel. (033) 66422111 Ext. 205(O); Email: ssg2@nibmg.ac.in; Sp. Cancer Biology/Cell Signalling/Mitochondrial Biology.
- 2015 SENGUPTA, Shantanu (b. 1967) PhD, Senior Principal Scientist, CSIR-Institute of Genomics & Integrative Biology, Sukhdev Vihar, Mathura Road, New Delhi 110020; Res. 741, Sagar Presidency, F-8, Sector 50, Noida 201301; Tel. (011) 29879201(D), 26932421-23 Ext.201(O), (0120) 2486741(R), 09891670220(M); Fax : 27667471; Email : shantanus@igib.res.in; Sp. Basic and Clinical Medical Sciences/Human Genetics/Molecular Medicine.
- 2019 SENGUPTA, Sharmila (b. 1959) PhD,FAScT, Former Professor & Eminent Scientist, National Institute of Biomedical Genomics, PO: NSS, Kalyani 741251; Res. 3 Third Street, Modern Park, Santoshpur, Kolkata 700075; Tel. (033) 24160262(R), 09830188363(M); Email: sharmilasg@gmail.com; Sp. Human Genetics/Cancer Genomic and Epigenomics/Cancer Biology.
- 2006 SENGUPTÁ, Soumitra (b. 1960) PhD, Professor, Department of Theoretical Physics, Indian Association for the Cultivation of Science Jadavpur, Kolkata 700032; Res. 15/A/2 Central Road,Flat No.5, Jadavpur, Kolkata 700032; Tel. (033) 24734971 Ext.284(O), 24721614(R); Fax: 24732805; Email: tpssg@iacs.res.in; Sp. High Energy Physics/Gravitation and Cosmology/String Theory.
- 2016 SENGUPTA, Surajit (b. 1962) PhD, FASc, Professor H & Dean, TIFR Centre for Interdisciplinary Sciences, 36/P Gopanapally Tanda, Serilingampally, Hyderabad 500107; Tel. (040) 20203089(O); Email: surajit@tifrh.res.in; Sp. Condensed Matter Theory/Statistical Mechanics/Materials Science.
- 2000 SENGUPTA, Utpal (b. 1941) PhD(Path),FAMS, Former Director, JALMA; Consultant, Stanley Browne Laboratory, The Leprosy Mission Community Hospital, Nandnagri, Shahdara, New Delhi-110093; Res. 266, Garagacha, Lakewood Estate, Tower 2, Flat 8C, Patuli, Garia, Kolkata 700084; Tel. 09212761651, 09457715111(M); Email: usengupta2002@yahoo.com; utpal. sengupta@leprosymission.in; senguptautpal2013@gmail.com, Sp. Pathology/Immunopathology/Immunology.

SENTHILKUMARAN, Balasubramanian (b. 1965) PhD,FNA, FASc, FNAAS, FAP-AS, Senior Professor, DBT-TATA Innovation Fellow, JC Bose Fellow, Department of Animal Biology, School of Life Sciences, University of Hyderabad, PO Central University, Hyderabad - 500046; Res. A47, Faculty Quarters, University of Hyderabad Campus, PO Central University, Gachibowli, Hyderabad - 500046; Tel. (040) 23134562(O), 09440140637(M); Fax: 23010120; Email: bsksl@uohyd.ac.in; senthilkumaranb@yahoo.com; Sp. Fish Molecular Endocrinology, Reproductive Biology, Developmental Biology/Sexual Development and Endocrine Disruption.

- 2013 **SESHAGIRI, Polani B.** (b. 1957) PhD, FAMS, Senior Professor & Chair, Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore 560012; Res. DQ-17, Duplex Quarters, IISc Quarters, IISc Campus, Bangalore 560012; Tel. (080) 22932687(O), 23604312(R); Fax: 23600999; Email : polani@iisc.ac.in; Sp. Reproduction/ Developmental Biology/Stem Cell Biology.
- 2017 **SETH, Pankaj** (b. 1968) MS,PhD, Professor & Scientist VII, Molecular & Cellular NeuroScience,Neurovirology Section, National Brain Research Centre NH-8, Nainwal Road, Manesar, Haryana 122052; Res. Tower 15, Apt. 1102, Vipul Greens, Sector 48, Sohna Road, Gurgaon 122018; Tel. (0124) 2845212(O),4034236(R), 09899592444(M); Email: pseth.nbrc@gov.in; Sp. **Neurosciences/Neurovirology/ StemCell Biology.**
- SETH, Pradeep (b. 1943) MD, FAMS, FIVS, National Emeritus Professor of National Academy of Medical Sciences; President, Seth Res. Foundation, H 8/3 First Floor, DLF Phase-I, Gurugram, Haryana - 122002; Res. H 8/3 First Floor, DLF Phase-I, Gurugram, Haryana - 122002; Tel. 09810311407(M); Email: dr.pradeepseth@gmail.com; sethpradeep@hotmail.com; sethpradeep42@hotmail.com; Sp. Microbiology/Virology/ Vaccinology.
- 2010 SETH, Rakesh Kumar (b. 1957) PhD, FRES(UK), FNAS, Professor, Department of Zoology, University of Delhi, Delhi 110007; Res. 37/2, West Patel Nagar, New Delhi 110008; Tel. (011) 27666564(O), 25885903(R); Fax : 27666564; Email : rkseth57@gmail.com; rkseth@zoology.du.ac.in; Sp. Applied Entomology/Radiation Biology/Animal Physiology and Behavior.
- SETH, Shivadayal (b. 1937) MBBS, MD, FAMS, FIPS, FCAI, FISCD, Chair in Clinical Pharmacology, Indian Council of Medical Research, Ansari Nagar, New Delhi 110029; Formerly Professor & Head, Department of Pharmacology and Chief, National Poisons Information Centre, All India Institute of Medical Sciences, New Delhi; Res. N-14/D, DDA Flats, Saket, New Delhi 110017; Tel. (011) 26560707, 26567136 Ext. 323(O), 26516468(R); Fax: 26868662, 26857791; Email: drsdseth@yahoo.com; Sp. Pharmacology/Clinical Pharmacology/Toxicology.

1997 SETHUNATHAN, Nambrattil (b.1937) PhD, FNA, FASc, FNAAS, Formerly Visiting Scientist, CSIRO Land and Water PMB-2, Glen Osmond, SA5064 Australia and Formerly Principal Scientist & Head, Division of Soil Science and Microbiology, Central Rice Research Institute, Cuttack; Res. Flat No. 103, Ushodaya S.V. Officers Colony, Apartments, Ramkrishnapuram, Secunderabad - 500056; Tel. (044) 27790758(R): sethunathan@hotmail.com; Email Sp. **Environmental Microbiology.** 

SETTY, B. Sreenivasulu (b. 1936) PhD, FNA, Formerly Sr. Deputy 1993 Director & Head, Division of Endocrinology, Central Drug Research Institute, Lucknow; Res. Flat No. D-801, Majesto Tower, Lodha Meridian Apartments, Rain Tree Park Road, Kukatpally Phase 5, Hyderabad-500085; Tel.(040) 23372917 (R), 09391016206(M); Email: dr\_settybs@yahoo.co.in; Sp.

Réproductive Biology.

SHAHA, Chandrima (b. 1952) PhD, FASc, FNA, FTWAS, JC Bose Chair Distinguished Professor, NASI at CSIR-Indian Institute of 1999 Chemical Biology, Kolkata; Former Professor of Eminence and Director, National Institute of Immunology, New Delhi; Res. 20/15 NSC Bose Road, Grahams Land, Kolkata - 700040; Tel. (033) 24995700 Ext. 947(O), 09958420001(M); Email: cshaha04@gmail. com; Sp. Cell Biology/Physiology.

Council: Mem. 2016-17

**SHAH, Nimish Arun** (b. 1967) PhD, FASc, Department of Mathematics, The Ohio State University, Columbus, OH 43210, 2001 USA; Tel. (+1-614) 2925088(O), Fax: 2921479; Email: nimish@math.tifr.res.in; shah@math.ohio-state.edu; Sp. Lie Groups and Ergodic Theory.

1982 SHAH, Raman Vadilal (b. 1926) PhD, FNA, Formerly Head & Professor of Zoology, Faculty of Science, M.S. University of Baroda, Vadodara; Res. 7, Indraprastha, New Sama Road, Vadodara - 390008; Tel. (0265) 2781346(R); Sp. Developmental Physiology/Animal Physiology/Comparative

Chordate Anatomy.

2022 SHAH, Riddhi (b. 1964) PhD, Professor, School of Physical Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. 64 Dakshinapuram, JNU Campus, New Delhi - 110067; Tel. (011) 26738801(O), 26741127(R), 09810900348(M); Email: rshah@jnu.ac.in; riddhi.kausti@gmail.com; Pure Sp. Mathematics - Probability Measures on Groups & **Dynamics of Group Actions.** 

SHANBHAG, Bhagyashri Achut (b.1950) PhD, FASc, FNA, Former Professor of Zoology, Karnatak University, Dharwad; 2008 Res. FF4, Trigunatmika Apartment, Haliyal Road, Bharati Nagar, Dharwad – 580001; Tel. 09448184536(M); Email: bhagyashrishanbhag@gmail.com; Sp. Comparative Sp. Endocrinology & Reproduction (Vertebrates)/ Herpetology/ Animal Behavior.

Anant 2016 SHANKAR. Darshan (b. 1951) Vice-Chancellor, Transdisciplinary University, 74/2, Jarakabande Kaval, Post : Attur, Via Yelahanka, Bangalore - 560106; Res. 96/3 Gurukripa, Sneha Layout, Opposite Bharat Sewa Ashram, Jakkur, in the lane adjacent to Rakun Blind School, Bangalore - 560064; Tel. (080) 28568708(O), 23624497(R); Fax : 28567926; Email: darshan.shankar@frlht.org; Sp. Traditional Health Sciences and Applications.

SHARAN, Maithili (b. 1953) PhD, FNA, FNAE, INSA Senior Scientist, Formerly Professor, Head & JC Bose Fellow, Centre for Atmospheric Sciences, Indian Institute of Technology, Hauz Khas, New Delhi - 110016; Res. A-4, Solar House, IIT Campus, Hauz Khas, New Delhi - 110016; Tel. (011) 26591946(O), 09810845534(M); Email: mathilis@cas.iitd.ernet.in; mathilis.iit @gmail.com; Sp. Applied Mathematics/Atmospheric Boundary Layer/Air Pollution & Physiological Fluid Mechanics.

SHARMA, Amit Prakash (b. 1968) PhD(Northwestern, USA), FNA, FASc, FTWAS, Former Director, ICMR-National Institute of Malaria Research, Sector 8, Dwarka, New Delhi - 110077; Res. C5/10, Ground Floor, Vasant Kunj, New Delhi - 110067; Tel. (011) 278530103/104(O), 26138674(R), 09810111336(M); Email: director@mrcindia.org; amit.icgeb@gmail.com; Sp. Structural Biology/Malaria/Protein Function.

Council: Mem. 2016-17 F.S. 2021-22

SHARMA, Anurag (b. 1955) PhD, FNA, FASc, FNAE, Emeritus Professor, Optics and Photonics Center and Department of Physics, Indian Institute of Technology Delhi, New Delhi - 110016; Res. D202, First Floor, Saket, New Delhi-110017; Tel. (011) 26591350(O), 26867022(R), 09818355884(M); Email: asharma@iitd.ac.in; Website: https://opc.iitd.ac.in/; Sp. Fiber and Integrated Optics/Gradient-Index Optics/Applied Optics.

Council: V.P. 2021-22

- SHARMA, Arun Kumar (b. 1959) PhD, Professor, Department of Plant Molecular Biology, University of Delhi, South Campus, New Delhi 110021; Res. Flat No. 611, Saral Apts., Plot No. 15, Sector 10, Dwarka, New Delhi 110021; Tel. (011) 24110544(O), 49047147(R); Fax : 24119430; Email : arun@genomeindia.org; Sp. Structural and Functional Genomics/Post Harvest Physiology/Regulation of Gene Expression.
- SHARMA, Archana (b. 1964) PhD, FNAE, FIE, FIET(UK), Distinguished Scientist, Director, Beam Technology Development Group, Bhabha Atomic Research Centre, Mumbai- 400085; Res. 53, Sriniketan, Anushaktinagar, Mumbai- 400094; Tel. (022) 25593660/3619/3918(O), 25566042(R), 09432494482(M); Fax: 25505151; Email: arsharma@barc. gov.in; Sp. Engineering Science & Technology.
- SHARMA, Ashutosh (b. 1961) PhD, FTWAS, FNA, FASc, FNAE, Professor, Department of Chemical Engineering, IIT Kanpur, Kanpur 208016; Former Secretary, GoI, DST, New Delhi; Tel. 09935397366, 07217719999(M); Email: ashutos@iitk.ac.in; Sp.Nanotechnology/Colloid and Interface Science/Self-assembly.
- 1998 SHARMA, Balram (b. 1940) PhD, FNAAS, Res. I 1703, Chittaranjan Park, Delhi 110019; Tel. (011) 25824827(R), 09818970077(M); Email : drbrsh@yahoo.co.in; Sp. Genetics & Plant Breeding.

SHARMA, Deepak (b. 1957) PhD, Former Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi; Res. A Block, Flat No. 403, Godrej Summit, Dwarka Express Way, Gurugram – 122006; Tel. (0124) 4237265(R), 09811470930(M); Email: sharmadeepakjnu@gmail.com; sharmadeepak@mail.jnu.ac.in; Sp. Neuroscience/ Brain Ageing/Phytopharmacology.

1994 SHARMA, Divakar (b. 1939) PhD (Chicago) Formerly Professor, Department of Mathematics, I.I.T., Kanpur - 208016; Res. 2, Navsheel Dham, Kalyanpur-Bithoor Road, Kalyanpur, Kanpur - 208017; Tel. 09838070693(M); Email : divakar@iitk.ac.in; hariumadiyakar39@gmail.com: Sp. Estimation Theory.

hariumadivakar39@gmail.com; Sp. Estimation Theory.

SHARMA, Eklabya (b. 1958) PhD, FNA, Strategic Advisor and Distinguished Fellow, Ashoka Trust for Ecology and the Environment (ATREE), Royal Enclave, Sriramapura, Jakkur Post, Bangalore-560064; Res. Block1/3A, Silver Oaks Apartment, Mallaguri, Siliguri -734003; Tel. (080) 23635555(O), 09289456381(M); Fax: 26112874; Email: eklabyasharma11@gmail.com; eklabya.sharma@atree.org; Sp. Mountain Ecology/N2-fixation/Biodiversity Conservation/Ecosystem Services/Climate Change.

SHARMA, G.Taru (b. 1965) PhD, FNAAS, Director, National Institute of Animal Biotechnology (NIAB), Hyderabad; Former Principal Scientist & Head cum Director, Centre of Advanced Faculty Training in Veterinary Physiology, ICAR-IVRI, Izatnagar; Res. Director's Bungalow, NIAB Campus, Hyderabad; Tel. 09412603840, 08218601498(M); Fax: 2301327; Email: tarusharma@niab.org.in; gts553@gmail.com; Sp. Molecular Reproductive Physiology/Stem Cell Biology.

SHARMA, Gangavaram V. Madhava (b. 1958) PhD, Formerly Chief

SHARMA, Gangavaram V. Madhava (b. 1958) PhD, Formerly Chief Scientist, Chairman, Health and Biotechnology Cluster, Head, OSPC Divisions, CSIR-Indian Institute of Chemical Technology, Hyderabad - 500007; Res. H.No.2-2-3/3/8, Prashantnagar, Vidyanagar, Hyderabad - 500044; Tel. (040) 27601391(R), 09440802785(M); Email : sharmagvm@gmail.com; Sp. Glyco and Peptide Chemistry/Drug Discovery/Organic Synthesis.

SHARMA, Manju (b. 1940) PhD, FNAAS, FTWAS, FIAWS, NASI-Distinguished Woman Scientist Chair; Chairman, New Initiatives NASI; Former Secretary to the Govt. of India, Deptt. of Biotechnology, Ministry of Science & Technology, New Delhi; Chairman-Research Advisory Committee (RAC) and Governing Body, Shriram Institute for Industrial Research, New Delhi; President & Executive Director, Indian Institute of Advanced Research, Koba Institutional Area, Gandhinagar - 382007 Gujarat; Res. B9/6476 (FF), Vasant Kunj, New Delhi-110070; Tel. (011) 26134608(R), 09810702411(M); Telefax: 46063722 (R); Email: manjuvps@gmail.com; Sp. Plant Anatomy/Biotechnology.

Council: Pres. 95-96, P.Pres. 97-98, 2009-10, 2013-14, 2023- V.P. 93-94, G.S. 88-92 Mem. 99-2002

SHARMA, Pawan (b.1951) PhD, FRSTMH(London), Adjunct Professor, Department of Biological Sciences, Indian Institute of Science Education and Research-Bhopal, Bhopal – 462066, MP; Former Senior Research Scientist, International Centre for Genetic Engineering & Biotechnology (ICGEB), New Delhi; Res. 603, Gracious Tower, GH-12/Sector 56, Gurgaon - 122011; Tel. (0755) 2691448(O), 09313282314(M); Email: pawan@iiserb. ac.in; pawan37@gmail.com; Sp. Molecular Immunology/Medical Microbiology.

2001 SHARMA, Prakash Chand (b. 1956) M.Phil., PhD. FNAAS. Professor, University School of Biotechnology, Guru Gobind Singh Indraprastha University, Sector 16C, Dwarka, New Delhi -110078; Res. B-103, GGS Indraprastha University Campus, Sector 16C, Dwarka, New Delhi - 110078; Tel. (011) 25302303(O), 25302944(R), 09899088818(M); Fax: 28035243; Email: prof.pcsharma@gmail.com; Sp. Plant Molecular Biology/Crop Biotechnology/Transcriptomics.

2011 SHARMA, Pushkar (b.1969) PhD, FNA, Staff Scientist VI, Eukaryotic Gene Expression Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Res. A3, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26703791(O), 09810725454(M); Fax: 26742125; Email: pushkar@nii.ac.in; Sp. Signal

Transduction/Biochemistry/Malaria/Neuroscience.

NRMA, Ramesh (b.1956) PhD, Formerly Professor of Biochemistry, North-Eastern Hill University, Shillong; Res. H-2008 SHARMA, 1004, Shalimar Gallant, Vigyanpuri, Mahanagar, Lucknow -226006; Tel. 09436117141(M); Email:sharamesh@gmail.com; Sp. Enzymology/ Hormone Action Mechanism/Aging.

1991 SHARMA, Ramesh Chandra (b. 1946) PhD, Professor, Department of Mathematics & Dean, Faculty of Engineering and Technology, Himachal Pradesh University, Shimla - 171005: Res. 1, Jutogh View Estate, Summer Hill, Shimla - 171005; Tel. (0177) 2830282(R); Email: rcsharmashimla@hotmail.com; Sp. Magnetohydrodynamics/Plasma Physics/Stabilities Geophysics/Oil Recovery.

1990 SHARMA, Rameshwar Prasad (b. 1940) PhD, FNA, FASc, FNAAS, Formerly Project Director and INSA Honorary Scientist, National Research Centre for Plant Biotechnology, Lal Bahadur Shastri Centre for Advanced Research in Biotechnology and Plant Protection, Indian Agricultural Research Institute, New Delhi -110 012; Res. C-II-204, Eldeco Ananda Apartments, Block - D, Sector 48, Noida - 201301; Tel. (011) 25841787, 25842789 Ext. 286(O), 09810678220(M); Email: rpsnrcpb@yahoo.co.in; Sp. Genetics/Plant Biotechnology.

2000 SHARMA, Shashi Bhooshan (b. 1956) PhD, Consultant, Global Food Security, Biosecurity and Planetary Health, 70 Waterford Avenue, Waterford, WA 6152, Australia; Adjunct Professor, Murdoch University, WA, Australia; Tel. (+61) 428935741(M), Email: sbs\_nema@yahoo.com, foodforallforever@gmail.com; Sp. Biosecurity/Food Security/Plant Health.

1988 SHARMA, Shiv Kumar (b. 1946) MS, PhD, Associate Director & Geophysicist, University of Hawaii, 2525 Correa Road, HIG, Honolulu, HI - 96822, USA; Res. 500 University Av. #717, Honolulu, HI - 96826, USA; Tel. (808) 9568476(O), 946-4647(R); Sp. Electrooptics/Spectroscopy/Experimental Mineralogy/ Petrology.

2008 SHARMA, Shyam Kumar (b.1951) PhD, FNAAS, Former Vice-Chancellor, CSKHP Agricultural University, Palampur; Formerly Director, ICAR-NBPGR, New Delhi; Res. Shanti Kuni, Ghuggar Tanda, Palampur – 176061, HP; Tel. 09418009521(M); Email: skspbg@yahoo.co.in; Sp. Genetics & Plant Breeding/Crop Biotechnology/Plant Genetic Resources.

2008 SHARMA, Surendra Kumar (b.1951) MD, PhD, FNA, FASc, Former Professor & Head of Medicine, AllMS; Res. C/o Dr. Anju Sharma, Sector 13, B Block, B-5/3, RK Puram, Multistorey Flats (near Palika Bhawan), New Delhi - 110066; Tel. 09899088092, 09868397245(M); Email: surensk@gmail.com; sksharma.aiims@gmail.com; Sp. Internal Medicine/ Pulmonary Medicine/Clinical Immunology/Critical Care & Sleep Medicine.

- SHARMA, Surinder Mohan (b. 1952) PhD, FNA, FASc, Former Visiting Professor, Institute for Shock Physics, Washington State University, Pullman, WA-99164, USA; Res. Flat C-32, Building No. 27, Kendriya Vihar Cooperative Housing Society, Sector 38, Nerul (W), Navi Mumbai 400706; Tel. 09819767483(M); Email: smsharma09@gmail.com; Sp. Materials under high pressures Experiments and theory/ Development of Beamlines for Indus-2 Synchrotron.
- SHARMA, Tilak Raj (b. 1965) PhD, FNA, FNAAS, JC Bose National Fellow, Deputy Director General (Crop Science), Indian Council of Agricultural Research, Division of Crop Science, Krishi Bhavan, New Delhi 110001; Tel. (011) 23382545(O), 09818386057(M); Email: trsharma1965@gmail.com; ddgcs.icar@nic.in; Sp. Plant Genomics/Bioinformatics/Plant Disease Resistance.
- 2016 SHARMA, Vinay (b. 1957) PhD, Dean Research, Director, Amity Institute of Biotechnology, Amity University Rajasthan, Jaipur 303002; Res. 402, Vinayak Enclave, Amrapali Marg, Nursery Circle, Vaishali Nagar, Jaipur 302021; Tel. (1436) 405678 (3008)(O), 09352671355, 09887550949(M); Email: vinay sharma30@yahoo.co.uk; vsharma4@jpr.amity.edu; Sp. Plant Stress Biology/Plant Informatics.
- SHARMA, Vishnu Dutt (b. 1949) PhD, FNA, Visiting Professor, Department of Mathematics, IIT Gandhinagar, Palaj, Gandhinagar 382355, Gujrat; Formerly Head & Institute Chair Professor, Dept. of Mathematics, IIT Bombay; Res. Housing Block 1/201, IIT Gandhinagar Campus, Gandhinagar 382355, Gujrat; Tel. 09820605360(M); Email: vsharma@iitgn.ac.in; vduttsharma@gmail.com; Sp. Applied Mathematics/Quasilinear Systems of PDEs/Nonlinear Gasdynamic Waves.
- SHARMA, Yagya Dutta (b. 1951) PhD, FNA, FASc, Former Professor & Head of Biotechnology, AIIMS; Res. C-65, Golf View Apartments, Saket, New Delhi - 110017; Tel. 09810844106(M), Email : ydsharma\_aiims@yahoo.com, ydsharma@hotmail.com; Sp. Molecular Biology/Immunology of Malaria Parasites.
- 2015 SHARMA, Yogendra (b. 1959) PhD, FASc, FNA, Professor (Biological Sciences), Indian Institute of Science Education and Research, Berhampur, formerly Chief Scientist, CSIR-CCMB, Hyderabad; Res. Flat E-204, Indu Aranya Apt., GSI Post Nagole, Hyderabad 500068; Tel. 09908630358(M); Email: yogen.ccmb@gmail.com; Sp. Biophysics.

2018 SHASANY, Ajit Kumar (b. 1967), PhD, FNAAS, Chief Scientist, Head, Plant Biotech Department, Central Institute of Medicinal and Aromatic Plants, PO CIMAP, Lucknow - 226015; Res. 12 Balaji Kunj, Faridi Nagar, (Indira Nagar), Lucknow - 226015; Tel. (0522) 2718548(O), 2330490(R), 09415027245(M); Fax: 2718695, 2716141; Email : ak.shasany@cimap.res.in; akshasany@yahoo.com; Sp. Plant Molecular Biology/Functional Genomics/Medicinal and Aromatic Plants.

SHASHIDHARA, L.S. (b. 1963) PhD (Cambridge,UK), FASc, FNA, Professor (Biology), Indian Institute of Science Education and Research, Pune, Dr. Homi Bhabha Road, Pune - 411008; Res. No. B702, IISER Faculty Housing, IISER Pune, Dr. Homi Bhabha Road, Pune - 411008; Tel. (020) 25908001(O), 09823432303(M); Fax: 25899790; Email: shashi@iiserpune. ac.in; Sp. Genetics & Developmental Biology.

Council: Mem. 2017-18

2002 SHASTRY, Balajapalli Sriram (b.1950) PhD, FNA, FASc, FTWAS, Distinguished Professor of Physics, University of California, Santa Cruz, CA95064, USA; Tel. (831) 4595849(O), 4266248(R); Fax: 4593043; Email: sriram@physics.ucsc.edu; b.sriram.shastry@gmail.com; Sp. Condensed Matter Theory/ Statistical Mechanics.

2009 SHENOI, Sadananda Satheesh Chandra (b. 1958) PhD, FASc, Former Director, Indian National Centre for Ocean Information Services, Ocean Valley, Pragathi Nagar (BO), Nizampet (SO), Hyderabad - 500090; Res. Villa No. 15, S.R.R. Ridge, Bachupally (PO), Nizampet, Hyderabad-500118; Tel.(040) 23886709(O), 09441013377(M); Email : shenoi1958@gmail. com; Sp. Physical Oceanography/Ocean Circulation/ Satellite Oceanography.

SHETTY, Hunthrike Shekar (b.1944) PhD,FASc,FNAAS, Life-time Honorary Distinguished Professor, DOS in Applied Botany & Biotechnology, University of Mysore, Manasagangotri, Mysore-570006; Res. #72, 19<sup>th</sup> Cross, Vijaynagara, 3<sup>rd</sup> Stage, C-Block, Mysore - 570030; Tel. (0821) 2952426(R), 09449837566, 7019321432(M); Email: hss\_uom@hotmail.com, hss@appbot. uni-mysore.ac.in; Sp. Seed Biology/Seed Pathology & Technology/Molecular Plant Pathology/Biotechnological Approaches for Stress Management in Plants.

2000 SHETYE, Satish Ramnath (b. 1950) PhD, FNA, FASc, Former Vice-Chancellor, Goa University; Former Director, NIO, Goa; Res. Yashoda, House No.C-14/162, Tonca, Caranzalem, Panaji, Goa-403002; Tel. 09011056605(M); Email: satishrshetye@gmail.com; Sp. Physical Oceanography. Council: Mem. 2012-13

2002 SHEVGAONKAR, Raghunath Kashinath (b.1954) PhD, FIEEE, FNAE, FIETE, FIE, FOSI, Professor Emeritus, IIT Bombay, Res. B-301, Lake Homes Phase 2, Chandivali, Powai, Mumbai – 400076; Former Director, IIT Delhi; Former Vice Chancellor, University of Pune & Bennett University; Tel. 09818001702(M), Email: rkshevgaonkar@gmail.com; Sp. Applied Electromagnetics/Fiber Optic Communications/Antennas, Radio Astronomy, Image processing.

SHIVAJI, Sisinthy (b. 1950) PhD, FASc, FTASc, FAMI, Director Emeritus and Distinguished Scientist, Prof. Brien Holden Eye Research Centre, LV Prasad Eye Institute, LV Prasad Marg, Banjara Hills, Hyderabad - 500034; Res. 1-2-37/2, Street No. 3, Kakateeya Nagar, Habshiguda, Hyderabad - 500007; Tel. (040) 30612534(O), 27171268(R), 09849650285(M); Fax: 23548271; Email : shivas@lvpei.org; Sp. Reproductive Biology/Conservation Biology/Microbiology/Extremophiles/Microbiome/Biofilm.

1998 SHIVANNA, Kundaranahalli Ramalingaiah (b. 1940) PhD, FNA, FASc, FNAAS, INSA Honorary Scientist, Ashoka Trust for Research in Ecology and the Environment, Srirampura, Royal Enclave, Jakkur Post, Bangalore - 560064; Formerly Professor & Head, Department of Botany, University of Delhi; Res. Odekar Farms, Nandihalli, Via Thovinakere, Tumkur Taluk-Tel. 09449543848(M); 572138, Karnataka; Email: shivanna@atree.org, shivannakr40@gmail.com; Reproductive Biology of Flowering Plants/Pollen Biology and Biotechnology.

2001 SHIVAKUMARA, I.S. (b. 1957) PhD, Formerly Professor, Department of Mathematics, Bangalore University, Bengaluru – 560056; Res. #135, Shivapushpa, V Main, IV Cross, Papanna Block, Ganganagar, Bengaluru - 560032; Tel. 09880457129(M); Email: shivakumarais@gmail.com; Sp. Fluid Mechanics & Magnetohydrodynamics.

SHIVPURI, Ram Krishen PhD, Principal Investigator, Centre for Detector & Related Software Technology, Department of Physcis & Astrophysics, University of Delhi, Delhi-110 007; Res. B-71, Sec.36, Noida – 201303; Tel. (011) 27667036(O), (0120) 4313174 (R), 09899264322(M); Email: shiv@fnal.gov; Sp. High Energy Physics (Experimental).

SHOREY, Tarlok Nath (b. 1945) PhD, FNA, FASc, INSA Senior Scientist, Adjunct Professor, National Institute of Advanced Studies, IISc Campus, Bengaluru – 560012; Res. 2062 Prestige Park View, Near Hope Farm Junction, Kadugodi Road, Whitefield, Bengaluru – 560066; Tel. (080) 22185112, 22185000(O), 49562205(R); Email: tarloknathshorey@gmail.com; Sp. Theory of Numbers.

2022 SHOUCHE, Yogesh (b. 1960) PhD, FNA, Professor, School of Arts and Science, Azim Premji University, Kanhasaiya, Bhopal - 462022; Res. B7/201 Aditya Shagun Society, Bavdhan, Pune - 411021; Tel. 09822623257(M); Email: yogesh.shouche@gmail.com; Sp. Microbial Taxonomy/Genomics & Metagenomics/Microbome.

SHRIKHANDE, Sharadchandra Shankar (b. 1917) PhD (Carolina), FNA, FASc, Formerly Director, HRI (old MRI), Prayagraj; Res. Chinmaya Vijaya Orphanage, Kaza Village, Mangalagiri Mandal, Guntur - 522503; Tel. 07702420555(M); Email : drssshrik@yahoo.com; Sp. Combinatories/ Graph Theory.

1986 SHRIVASTAVA, Keshav Narain (b.1943) PhD, DSc, CPhys, FlnstP, FICC, FUSI, Formerly Professor, Theoretical Physics Laboratory, University of Malaya, Malaysia; Res. 14-187 Doyens Township, Seri Lingampally, Hyderabad-500019; Email: keshav1001@yahoo.com; Sp. Solid State Physics/Superconductivity/Quantum Hall Effect.

2021 SHUKLA, Arun Kumar (b. 1981) PhD, FASc, FNA, Professor, Dept. of Biological Sciences & Bioengineering, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. D-204, Faculty Apartments, IIT Kanpur, Kanpur - 208016; Tel. (0512) 2594251(O), 2598589(R), 09559002644(M); Email : arshukla@iitk.ac.in; Sp. Cellular Signaling/Structural Biology/Drug Discovery.

2005 SHUKLA, Ashok Kumar (b. 1947) PhD, FNA, FNAE, FASc, Honorary Professor, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore - 560012; Tel. (080) 23603282, 22932795(O), 23374075(R); Fax: 23601310; Email: akshukla2006@gmail.com, shukla@sscu.iisc.ernet.in; Sp. Materials Electrochemistry with emphasis on Batteries/Fuel Cells/Supercapacitors and Solid Ionics.

SHUKLA, Jang Bahadur (b. 1937) PhD, FICCI, Formerly Professor of Mathematics, Indian Institute of Technology, Kanpur; Res. 18, Navsheel Dham, Kalyanpur – Bithoor Road, Kalyanpur, Kanpur-208017; Tel. 08004440721(M); Email: jbs@iitk.ac.in; Sp. Mathematical Modeling of Environmental; Ecological, Biological and Engineering Systems.

SHUKLA, K.S. (b. 1918) D.Litt., Formerly Professor of Mathematics & Astronomy, Lucknow University, Lucknow; Res. Argara, Husainganj Crossing, Behind Bata Shoe Company, Lucknow-226001; Tel. (0522) 2354616; Sp. Mathematics/Astronomy & Its History (History of Mathematics & Astronomy).

2004 SHUKLA, Prabodh (b. 1951) PhD(Temple), Former Professor of Physics, NEHU; Res. S1-112, Suraksha Enclave-1, Eldeco Udyan-2, Raibareli Road, Luckow - 226025; Tel. 09436118449(M); Email : shukla@nehu.ac.in; prabshukla@

gmail.com; Sp. Condensed Matter Physics.

SHYAMASUNDA'R, Rudrapatna Kallikoté (b. 1950) PhD, FIEEE, FACM, FASc, FNA, FNAE, FNAS, FTWAS, J.C. Bose National Fellow & Distinguished V. Professor, Department of Computer Science and Engineering, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Res. B185 Ananta, IIT Bombay, Powai, Mumbai - 400076; Tel. (022) 25767904(O), 2225720001(R), 09818320188, 09987130188(M); Fax: 25723480; Email: shyamasundar@gmail.com; Sp. Computer Science & Information Technology.
 SIDDAVATTAM, Dayananda (b. 1957) PhD, FNA, Professor,

2010 SIDDAVATTAM, Dayananda (b. 1957) PhD, FNA, Professor, Department of Animal Sciences, Dean, School of Life Sciences, University of Hyderabad, Hyderabad - 500046; Res. 345, Doyens Township, Lingampally, Hyderabad - 500019; Tel. (040) 66794578(O), 23013233(R); Fax: 23010120; Email: sdsl@uohyd.ernet.in; siddavattam@gmail.com; Sp. Soil Sciences/

Agricultural Toxicology.

2011 SIDDHESHWAR, Pradeep Ganapathi, PhD, Professor, Dept. of Mathematics, Central College Campus, Bangalore University,

Bangalore - 560001; Email: mathdrpgs@gmail.com;

SIDDIQ, Ebrahimali Abubacker (b.1937) PhD, DSc(hc), FNA, FNAAS, Formerly NASI Senior Scientist; Hon. Professor Biotechnology, Institute of Biotechnology, Professor, Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad - 500030; Formerly Deputy Director General (Crop Sci.), ICAR; Res. 81, Happy Homes Colony, Upparpalli, Hyderabad - 500048; Tel.(040) 24018625(R), 09032326727(M); Email: easiddiq@rediffmail.com; easiddiq@gmail.com; Sp. Plant Genetics & Breeding.

1964 SIDHU, Gurbachan Singh (b. 1920) PhD, Formerly Director General, CSIR, Secretary to the Govt. of India; Res. 3-3,F-4,Kakateeya Nagar, Habsiguda, Hyderabad-500 007; Tel. (040) 850268(R); Sp. Organic Chemistry.

Council: Mem. 77 SIKKA, Satinder Kumar (b. 1942) PhD, FNA, FASc, Former DAE Homi Bhabha Chair Professor, BARC, Mumbai; Res. House No. 538, Sector 17, Faridabad – 121002; Tel. (0129) 4086016(R), 2003 09958857056(M); Email: sksikka42@gmail.com; Sp. High Pressure and Shock Waves Physics/ Neutron and X-ray Crystallography/Nuclear Explosions.

1977 SINGAL, Asha Rani (b. 1940) PhD, Formerly Professor, Mathematics Department, Ch. Charan Singh University, Meerut; Res. 31, Vaishali, Pitampura, Delhi - 110034; Tel. (011) 42455458(R), 09313330473(M); arsims2003@ Email: yahoo.com; Sp. General Topology/Mathematics Education.

SINGHAL, Rekha Satishchandra (b. 1962) PhD, FNA, FNAE, FTWAS, FAFST, FBRSI, Professor & Head, Food Engineering 2023 & Technology Department, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai - 400019; Res. 1/203, Sapphire, Garden Estate, Oppo D-Mart, Kokanipada, Thane 400610; Tel. (022) 33612501(O), 08369927491(M); Fax 33611020; Emàil : rs.singhal@ictmumbai.edu.in; rsinghal7@gmail.com; Sp. Food & Bioprocess Engineering & Technology involving Biomolecules of Food & Allied Areas **Supercritical** (Nutraceuticals)/Enzyme Bioprocessing/ Carbon Dioxide Extraction of Biomolecules.

2015 SINGLA-PAREEK, Sneh Lata (b. 1969) PhD, Group Leader, Plant Stress Biology Group, International Centre for Genetic Engineering & Biotechnology, Aruna Asaf Ali Marg, New Delhi 110067; Res. B-533, Paschimabad Multistorey, Jawaharlal Nehru University, New Delhi - 110067; Tel. (011) 26742357 Ext.263(O), 26741558(R); Fax: 26742316; Email: sneh@ icgeb.res.in; snehpareek@gmail.com; Sp. Stress Molecular Biology/Crop Biotechnology/Functional Genomics.

**SINGH, Ajit Iqbal** (b. 1943) PhD (Cantab), FNA, INSA Emeritus Scientist; Res. Apt. 102, Block II, Sixth Floor, Din Apartments, 1996 Plot No. 7, Sector 4, Dwarka, New Delhi - 110075; Tel. 09212068046(M); Email: ajitis@gmail.com; Sp. Functional Analysis/Harmonic Analysis/Quantum Information Theory.

SINGH, Amit (b. 1976) PhD, Associate Professor, Dept. of Microbiology & Cell Biology, Centre for Infectious Disease and Research, Indian Institute of Science, Bangalore - 560012; Res. 2021 318, NR Royal Manor, Royal En, Srirampura, Jakkur, Bangalore- 560065; Tel. (080) 22932604(O), 09481700318(M); Email: asingh@iisc.ac.in; Sp. Molecular and Cell Biology/ Microbiology/Immunology

SINGH, Anil Kumar (b.1952) PhD, FASc, Formerly: Professor & Head of Chemistry & Dean of Academic Programs, IIT 1997 Head of Chemistry & Dean of Academic Programs, IIT Bombay; Director, CSIR-RR Laboratory, Jorhat; Director (Ind.), Rashtriya Chemicals & Fertilizers Ltd., Mumbai; Vice-Chancellor, Bundelkhand University & University of Allahabad; Res. A-1603, Lake Primrose, Lake Homes, Powai, Mumbai – 400076; Tel. (022) 3157 6031(R), 09820747167(M); Email: retinal@chem.iitb.ac.in, retinal.iitb@gmail.com; Sp. Chemical Sciences, Organic Chemistry, Bioorganic Chemistry, Photochemistry and Photobiology.

Council: Mem. 2007-08, 2011-12, 2020-21

2021 SINGH, Arun Deo (b. 1961) PhD, Senior Professor & Head, Department of Geology, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. P-14, New Medical Enclave, Banaras Hindu University, Varanasi - 221005; Tel. 09452563993(M); Email: arundeosingh@yahoo.com; Sp. Geo-Sciences/Oceanography.

- 2001 SINGH, Anurudh Kumar (b. 1946) PhD, FNAAS, FISNS, Former Head, Germplasm Conservation Division, National Bureau of Plant Genetic Resources, Indian Council of Agricultural Research, Pusa Campus, New Delhi 110012; Res. 409A, Hamilton Court, DLF Phase 4, Gurugram 122009; Tel. (0124) 4110355(R), 09540127222(M); Email: anurudhksingh@gmail. com; Sp. Cytogenetics & Plant Breeding and Plant Genetic Resources.
- 2021 SINGH, Ashok Kumar (b. 1962) PhD, FNA, FNAAS, Director, Indian Agricultural Research Institute, Pusa Campus, New Delhi 110012; Res. B-8, Director's Bungalow, Indian Agricultural Research Institute, Pusa Campus, New Delhi 110012; Tel. (011) 25843375, 25872367(O), 25846774(R), 09899045037(M); Fax: 25846420; Email: aks\_gene@yahoo.com; director@iari.res.in; Sp. Genetics & Plant Breeding/Molecular Breeding in Rice.
- 1990 SINGH, Bam Bahadur (b. 1938) PhD, FASc, Former Head, Radiation Biology & Biochem. Div., Biosciences Group, Bhabha Atomic Research Centre, Mumbai; Res. D-7, Fair Lawn, VN Purav Marg, Chembur, Mumbai 400071; Tel. (022) 35673965(R), 09821005336(M); Email: drbbsingh2010@gmail. com; Sp. Radiation Biology and Laws Relating to IPR (Intellectual Properties) and Civil Laws including Constitutional Remedies.
- 1996 SINGH, Bashisth Narayan (b. 1946) PhD, DSc, Distinguished Professor, Genetics Laboratory, Dept. of Zoology, Institute of Science, BHU, Varanasi 221005; Res. A-13, Swastik Towers, Lanka, Varanasi 221005; Tel.(0542) 2369885(R), 09935345196(M); Fax: 2368174; Email: bnsingh@bhu.ac.in, bashisthsingh2004@rediffmail.com; bnsinghbhu@gmail.com; Sp. Genetics, Evolution and Behaviour.
- 2008 SINGH, Bhim (b.1956) PhD, FNAE, FIEEE, FNA, FASc, Professor, Department of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016; Res. 7 New Campus, IIT Delhi, New Delhi 110016; Tel. (011) 26591045(O), 26591890, 26516223(R), 09811502125(M); Fax: 26581606; Email: bsingh@ee.iitd.ac.in; bhimsingh@gmail.com; Sp. Power Electronics/Electric Machines/Electric Drives.
- 1974 SINGH, B.P. (b. 1938) PhD, Emeritus Scientist (CSIR), National Botanical Research Institute, Lucknow 226001; Formerly Scientist 'H' (Scientist in Director Grade); Res. 4/300 Vivek Khand, Gomtinagar, Lucknow; Tel. (0522) 2205831-35(O), 2391596, 2396075(R); Fax: 2205839, 2205836; Email: bpsingh1938@gmail.com Sp. Plant Virology/Horticulture/Biotechnology.

2005 SINGH, Chandra Prakash (b. 1944) D.Phil., Professor & Head, Department of Physics, Banaras Hindu University, Varanasi - 221005; Res. G-27, Aurobindo Colony, Banaras Hindu University, Varanasi - 221005; Tel. (0542) 2368390, 2307308(O), 2368230(R); Fax: 2368174; Email: cpsingh@bhu. ac.in, cpsingh\_bhu@yahoo.co.in; Sp. Quark Gluon Plasma/Particle Physics/Cosmology.

SINGH, Dalbir (b. 1932) PhD, Formerly Head, Department of Botany, University of Rajasthan, Jaipur; Res. Flat No. 221, B-Block, Vaishali Retreat (Adjoining Pratap Nagar Colony) Queen's Road, Jaipur - 302021; Tel. (0141) 4086365(R); Sp. Morphology of Angiosperms/Seed Pathology.

2016 SINGH, Dheer (b. 1966) PhD, Principal Scientist & Head, Animal Biochemistry Division, ICAR-National Dairy Research Institute, Karnal - 132001; Res. D-36, ICAR-NDRI Campus, Karnal - 132001; Tel. (0184) 2259135(O), 2259478(R), 09416411258 (M); Fax: 2250042; Email: drdheer.singh@gmail.com; Sp. Biochemistry/ Reproductive Endocrinology/Functional Genomics.

SINGH, Digvijai (b. 1934) PhD, FNA, FASc, FNAE, Formerly V.C., University of Roorkee, Director, Indian Institute of Technology, Roorkee; Vice-Chairman, AICTE, and Director, CRRI, New Delhi; Res. 1002 - Tower B, Sunbreeze Apartment, Vaishali, Sector V - Plot 3, Ghaziabad-201010; Tel. (0120) 4127783(R); Email : dvsingh@comcast.net; Sp. Dynamics of Mechanical Systems/Tribology.

Council: Spl. Inv. 2002

2023 SINGH, Divya (b. 1975) PhD, Senior Principal Scientist and Professor (AcSIR), Division of Endocrinology, Central Drug Research Institute, Lucknow - 226031; Res. C-13, Kendriya Vihar,Sector 6, Jankipuram Extension, Lucknow - 226021; Tel. (0522) 2772450, 2772550 Ext. 4395(O), 4589321(R), 09415596306(M) Fax : 2771940; Email : divya\_singh@cdri.res.in; divyacdri@gmail.com; Sp. Metabolic Bone Disorders/Osteoimmunology.

SINGH, Gyanendra Pratap (b. 1964) PhD, FNA, FNAAS, Director, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi - 110012; Res. A 1, Director's Bungalow, NBPGR Residences, Harbhajan Enclave, DP Shastri Marg, New Delhi - 110012; Tel. (011) 25843697(O), 09868841775, 08708529619(M); Fax: 25842495; Email: gyanendrapsingh@hotmail.com; gp.singh@icar.gov.in; Sp. Genetics and Plant Breeding/Wheat Improvement through Conventional and Molecular Approaches.

SINGH, Harjit (b. 1938) PhD, FNA, FASc, Professor Emeritus, Chemistry Department, Guru Nanak Dev University, Amritsar - 143005; Res. 151, Defence Enclave, Amritsar - 143001; Tel. (0183) 258802-9 Ext. 3194(O), 09465670668(M); Fax: 258820; Email: harjit\_gndu@yahoo.co.in; Sp. Heterocyclic Chemistry/Supramolecular Chemistry.

SINGH, Harkesh Bahadur (b. 1956) PhD(Lko), PhD (Aston), CChem, FRSC, FASc, FNA, Biswas-Palepu Distinguished Chair Professor, Ramanna Fellow (DST), Department of Chemistry, IIT Bombay, Powai, Mumbai - 400076; Res. B-305, Blue Nile, Pacific Enclave, Powai, (Opp. IIT Main Gate), Mumbai - 400076; Tel. (022) 25767190(O), 25770675(R), 09323840676 (M); Fax: 25723480; Email: chhbsia@chem.iitb.ac.in; Website: www.chem.iitb.ac.in/~chhbsia; Sp. Organo-metallic Chemistry /Inorganic Chemistry.

SINGH, Jagmohan (b. 1957) PhD, Professor Emeritus, Department of Biochemistry, Amity University, Gmada IT City, Block A St. JLPL Industrial Area, Sahibzada Ajit Singh Nagar, Punjab – 140306; Res. # 5817-B, Sector 38-West, Chandigarh - 160014; Tel. (0172) 4017712(R), 09417182983(M); Email: jsingh@pb.amity.edu; jsjagsingh@gmail.com; Sp. Yeast Genetics and Epigenetics/ Chromatin Structure/Gene Silencing/RNAi.

SINGH, Jamuna Sharan (b. 1941) PhD, FNA, FASc, FTWAS, Formerly INSA Senior Scientist & Professor Emeritus, Centre for Advanced Study in Botany, Banaras Hindu University, Varanasi - 221005; Formerly NASI Senior Scientist; Res. 5, Rajiv Nagar Colony, Karaundi, Varanasi - 221005; Tel. (0542) 2368399(O), 2570120(R), 09335178355(M); Fax: 2368174; Email: singh.js1 @gmail.com; jssingh@bhu.ac.in; Sp. Ecology/Ecosystems Analysis/Ecophysiology.

Council: Mem. 2009-10

2021 SINGH, Jayant Kumar (b. 1975) PhD, Poonam and Prabhu Goel Chair Professor and Head, Dept. of Chemical Engineering, IIT Kanpur, Kanpur - 208016; Res. FA-B 201, IIT Kanpur, Kanpur - 208016; Tel. (0512) 2596141(O), 2598263(R), 09936265937 (M); Fax: 2590104; Email: jayantks@iitk.ac.in; Sp. Material Modeling/Thermodynamics/ Gas Separation and Storage.

2018 SINGH, Kamal Priya (b. 1979), PhD, Associate Professor, Dept. of Physical Sciences, IISER Mohali, Sector 81, Mohali, Punjab; Res. Apt. 103, MJ Block, Sector 81, IISER Mohali, Mohali, Punjab; Tel. 09501698044, 09501717893(M); Email: kps.iiserm@gmail.com; kpsingh@iisermohali.ac.in; Sp. Ultrafast Laser Physics/Quantum Dynamics/Biophysics.

SINGH, Kamala Prasad (b. 1928) PhD, Formerly Professor & Head, of Materials & Metallurgical Engg., IIT, Kanpur; Formerly Visiting Professor, Dept. of Metallurgical Engg., Ecola Politenica, University of Saopaulo, Sapaulo, Brazil; Res. D506, UNESCO Apts., 55 I.P. Extn. Patparganj, New Delhi - 110092; Tel. (011) 22417850, 22021570(R); Sp.Thermodynamics/ Nuclear and Hydrogen Storagematerials/High Temperature Oxidation.

SINGH, Kamla D. (b. 1935) PhD, (Delhi Univ.) Formerly Professor & Head, Department of Mathematics & Astronomy, Lucknow University, Lucknow; Visiting Professor, University of North Dakota, USA; Res. C-120, Nirala Nagar, Lucknow-226020; Tel. (0522) 2788069(R), 09839054142(M); Email: singhkamla34@gmail.com; Sp. Mathematics (Differential Geometry).

SINGH, Kaushalendra Pratap (b. 1940) PhD, FNIE, FBS, Formerly Head and Professor Emeritus, Department of Botany, Banaras Hindu University, Varanasi - 221005; Formerly National Environment Fellow (MoEn); Res. 58, Gurudham, Varanasi - 221010; Tel. (0542) 2276600(R), 09415221766(M); Email: kpsingh.bhu@gmail.com; Sp. Ecology/Environmental Sci.

1971 **SINGH, K.P.** (b. 1919) PhD, Formerly Head & Professor of Mathematics, Dean, Faculty of Science, Banaras Hindu Univeristy, Varanasi; Res. P4/3, Ravindrapuri, Varanasi-221

005; Sp. Theory of Relativity/Geometry.

SINGH, Kirti (b. 1934) MS, PhD, DSc(hc), FNAAS, FNABS, Formerly Secretary, National Academy of Agricultural Sciences; Formerly Vice-Chancellor, NDUAT, HPKV & IGKV & Chairman, ASRB (ICAR); Chairperson, World Noni Research Foundation; Res. 38 G, Maruti Nagar, T.D. College Main Gate, Husainabad, Jaunpur- 222002; Tel. (05452) 260044(R), 09415687597, 09198331333(M); Email: kirtisinghwnrf2013@gmail.com; Sp. Horticulture/Agricultural Education.
 SINGH, Kishan PhD(Louisiana), Chief Programme Coordinator,

SINGH, Kishan PhD(Louisiana), Chief Programme Coordinator, Sugarcane Adaptive Research Project (ICAR), Krishi Bhawan, New Delhi - 110 001; Sp. Plant Pathology/Sugarcane

Research & Management.

2016 SINGH, Krishna Nand (b. 1962) PhD, Senior Professor of Organic Chemistry, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. B-301, Shanti-Niketan Apartments, Shivpuri Colony, Nagwa, Lanka, Varanasi - 221005; Tel. 09415992580, 07380543868(M); Fax: 2368127; Email: knsinghbhu@yahoo.co.in; knsingh@bhu.ac.in; Sp. Organic Synthesis/Methodology Development.

2006 SINGH, Krishna Pal (b. 1950) PhD, FPbS, FAPT, NASI Senior Scientist; Former Emeritus Scientist, Additional Director & Head, Botanical Survey of India, Central Circle, 10, Chatham Lines, Prayagraj - 211002; Tel. (0532) 2250179(O), 09451321927(R); Fax: 2250179; Email: krishna.p.singh@

gmail.com; Sp. Taxonomy/ Lichenology.

2006 SINGH, Kulinder Pal (b. 1952) PhD, FASc, FNA, INSA Senior Scientist, Department of Physical Sciences, Indian Institute of Science, Education and Research, Mohali, Knowledge City, Sector 81, SAS Nagar, Manauli PO, Punjab – 140306; Former Senior Professor, TIFR, Mumbai; Res. 150C, Joy Smart Homes, Block A, Wave Estate, Sector 85, Mohali, SAS Nagar, Punjab – 140308; Tel. 09004838965(M); Email: kulinderpal@gmail.com; kps@iisermohali.ac.in; Sp. X-ray Astronomy, X-ray Instrumentation, Clusters of Galaxies, Active Galactic Nuclei, Cataclysmic Variables and Stellar Coronae.

SINGH, Mahendra Pal (b. 1931) PhD(Maryland), FNA, Formerly Professor, IIT Delhi; Executive Director, Ansal Institute of Technology & Management, Sector C, Pocket 9, Sushant Golf City, Lucknow - 226002; Res. 101/01, Silver Oak Apartments, DLF Qutub Enclave, Phase I, Gurgaon -122 002; Tel. (0124) 4087186(O), 4360833(R), 09971511155(M); Email: mpsingh 3333@rediffmail.com, mpsingh3@hotmail.com, profmpsingh33@gmail.com; Sp. Applied Mathematics/Biofluid Dynamics/

Air Pollution Modeling.

1995 SINGH, Man Mohan (b. 1946) PhD. DSc. Formerly ICMR Emeritus Medical Scientist, Chief Scientist, Head, Endocrinology Division & Coordinator, Reproductive Health Research Program, CSIR-Central Drug Research Institute, Lucknow, and Director, R&D, Saraswati Dental College & Hospital, Faizabad Road, Lucknow; Res. C-260, Indira Nagar, Lucknow -226016: Tel. 09415634056(M); singhmm46@gmail.com; Email: Sn. Reproductive Endocrinology/Osteoporosis/New Drug Development.

2013 SINGH, Maya Shankar (b. 1960) PhD, FNA, FASc, JC Bose Fellow, CNR Rao Chair Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. # 131, Keshav-Maya, Janaki Nagar, Bhagwanpur, Samane Ghat, Lanka, Varanasi - 221005; Tel. 09415372614(M); Email: mayashankarbhu@gmail.com; mssingh@bhu.ac.in; Sp. Synthetic Organic Chemistry.

2009 SINGH, Mewa (b. 1951) PhD, FNA, FASc, SERB Distinguished Fellow & Distinguished Professor (for life), Biopsychology Laboratory, and Institution of Excellence, University of Mysore, Manasagangotri, Mysore - 570006; Res. 193, Kuvempu Raste, RT Nagar, Ramkrishnana Nagar PO, Mysore - 570022; Tel. (0821) 2419372(O), 2952327(R), 09448603506, 08197056989 (M); Fax: 2419372; Email: mewasinghltm@gmail.com; Sp. Animal Behavior/Ecology/Social Evolution.

2021 SINGH, Mohar (b. 1970) PhD, DSc, Principal Scientist, ICAR-National Bureau of Plant Genetic Resources, Regional Station Shimla, Shimla - 171004 (HP); Res. Type V, Sunny Cottage, ICAR-NBPGR Residential Complex Shimla - 171004 (HP); Tel. (0177) 2835459(O), 2835758(R), 08894009386(M); 2835453; Email: mohar.singh2@icar.gov.in; Sp. Pre-Breeding/Plant Genetic Resources/Genetic Improvement.

2011 SINGH, Nagendra Kumar, (b. 1958) PhD(Adelaide),FNA,FNAAS, National Professor, Dr. BP Pal Chair, Director, ICAR-National Institute for Plant Biotechnology, Pusa Campus, New Delhi – 110012; Res. 148 DDA SFS Flats, Sector 5, Pocket 1, Dwarka, New Delhi – 110075; Tel. (011) 25841186(O), 28081376(R), 09911268915(M); Fax: 25843914; Email: nk.singh@icar.gov. in; nksingh4@gmail.com; Sp. Genomics/Molecular Breeding/Grain Quality in Rice, Wheat and Pigeonpea.

2018 SINGH, Nandini Chatterjee (b. 1969), PhD, Professor, National Brain Research Centre NH-8, Manesar, Haryana - 122051; Res. 1401, Tower 11, Vipul Greens, Sector 48, Sohna Road, Gurgaon - 122051; Tel. (0124) 2845333(O), 4032274(R), 09899117725(M); Email : nandinicsingh@gmail.com; Sp. Neuroscience/Cognitive Neuroscience/Neuroimaging.

2011 SINGH, Narpinder (b. 1962) PhD,FNA,FNAAS, FAFSTI, FCGA, Professor & Head, Department of Food Science & Technology, Guru Nanak Dev University, Amritsar - 143005; Res. 101-Kabir Park, Amritsar; Tel. (0183) 2258802-09 Ext. 3377(O), 2255433(R), 09464777980(M); Fax : 2258820; Email : narpinders@yahoo.com; Sp. Post Harvest Technology (Food Science & Technology, Cereals and Pulses Grain Quality and Processing).

SINGH, Neeru (b. 1956) PhD, Director, Regional Medical Research Centre for Tribals, Nagpur Road, Post Garha, Jabalpur - 482003; Res. Director Banglow, RMRCT Complex (ICMR), Nagpur Road, Post-Garha, Jabalpur - 482003; Tel. (0761) 2672239(O), 2672521(R), 09302188242, 09425154225 (M); Fax: 2672835, 2672900; Email: neeru.singh@gmail.com; oicmrc@yahoo.co.in; Sp.Epidemiology & Vector Control/Tribal-Forest Malaria/Malaria in Pregnancy.

- 1985 SINGH, Pashupati Prasad (b. 1934) PhD,DSc,MCIC, Principal, Bareilly College, Bareilly-243 001;Tel. (0581) 277873(O), 272666(R); Sp. Coordination Chemistry/Environmental Science.
- 2018 SINGH, Pradeep Kumar (b. 1963), PhD, Director, Central Institute of Mining and Fuel Research, Barwa Road, Dhanbad 826001; Res. Director's Bungalow, CSIR-CIMFR Colony, Barwa Road, Dhanbad 826001; Tel. (0326) 2296023, 2296006(O), 2296129, 2296288(R), 09431124155(M); Fax: 238113; Email: director@cimfr.nic.in; pradeep.cimfr@yahoo.com; Sp. Rock Mechanics & Mining Methods/Rock Excavation Engineering /Coal Science.
- 2004 SINGH, Prati Pal (b. 1954) PhD, FIAMSc, Former Professor, National Institute of Pharmaceutical Education and Research, Sector 67, Phase X, SAS Nagar 160062; Res. Apt. #921, ATS Golf Meadows Prelude, Barwala Road, Sector 6, Dera Bassi 140507, Distt. Mohali, Punjab; Tel. 08847422653, 09417196015 (R); Email: drppsingh2016@gmail.com; Sp. Biotechnology/Parasitology/Neuro Immunomodulation.
- 2020 SINGH, Raj Kumar (b. 1958) PhD, FNAAS, FNAVS, FNADS, Former Director/Vice Chancellor, ICAR-IVRI; Res. 81, North City, Pillibhit Road, PO: Izatnagar 243122, Bareilly, UP; Tel. 07534075345(M); Email: rks\_virology@rediffmail.com; rajks.virology@gmail.com; Sp. Animal Health & Production/ Virology/Biotechnology.
- SINGH, Ram Badan (b.1940) PhD (N.Carolina), FNAAS, Immediate Past President, NAAS; Res. D1/1291, Vasant Kunj, New Delhi 110070; Tel. (011) 26136450(R), 09810230037 (M); Email: rbsingh40@gmail.com; Sp. Cytogenetics/Plant Genetics Resources.
- 1997 SINGH, Ram Prakash (b.1941) DPhil, Flory Laureate, IUPAC Fellow, FASI, FUSI, ChMPPSI, Former President, IASS; Formerly Vice-Chancellor, Lucknow University, Lucknow; Res. HR-4, C-400, IISER Pune, Dr. HB Road, Pune 411008; Tel. 09420482405(M); Email: singh.prakash.ram@gmail.com; Sp. Polymer Science and Engineering/Rheology & Ultrasonics.

SINGH, Randhir (b. 1944) PhD, FNA, FASc, FNAAS, Director, General, Doon Valley Group of Institutes, Sector 17, Near Fire Brigade Station, Outside Jundla Gate, Karnal – 132001; Former Dean, College of Basic Sciences, CCS, Haryana Agri. University, Hisar; Res. 1717, Sector 3, Urban Estate, Kurukshetra; Tel. (0184) 2270060-61(O), 08295421000(M); Fax: 2254670; Email: randhirbiotech@yahoo.com; Website: www.hau.nic.in; Sp. Biochemistry/Molecular Biology/Biotechnology.

- 2023 SINGH, Ravindra Pratap (b. 1964) PhD, Senior Professor, Atomic Molecular & Optical Physics Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380009; Res. A 1101 Prerna Shikhar, Near AUDA Fire Station, Bodakdev, Ahmedabad 380054; Tel. (079) 26314959(O), 35616542(R), 09825754406(M); Email: rpsingh@prl.res.in; rpkpsingh@gmail.com; Sp. Singular Optics/Light Scattering/Quantum Optics.
- SINGH, Sarva Jt (b. 1939) PhD, FNA, FASc, INSA Honorary Scientist; Res. 22A, Navyug Adarsh Apartments, F-Block, Vikaspuri, New Delhi 110018; Tel. (011) 28549222(R), 09312250454(M); Email: s\_j\_singh@yahoo.com; Sp. Applied Mathematics/Theoretical Seismology.
- 2013 SINGH, Shashi Bala (b. 1958) PhD, DSc, FAMS, FIAN, President, Mody University of Science & Technology, Lakshmangarh 332311, Rajasthan; Former Director, NIPER, Hyderabad; Tel. (01573) 225001-12 Ext. 1001(O), 09999297992(M); Email: president@modyuniversity.ac.in; drshashisingh@gmail.com; Sp. Environmental Physiology/Cognitive Neuro-sciences. Council: Mem. 2015-16
- 2019 SINGH, Sunil Kumar (b. 1971) PhD,FASc,FNA, Director, CSIR-National Institute of Oceanography, Dona Paula, Goa 403004; Res. Director's Bungalow, NIO Campus, Raj Bhavan Road, Dona Paula, Goa 403004; Tel. (0832) 2450201/501(O), 2450222(R), 09427029489, 09607017855(M); Fax: 2450602; Email: sunil@nio.org; Sp. Biogeochemistry/Indian Oceanography/Isotope Geochemistry.
- 2022 SINGH, Sunit Kumar (b. 1971) PhD, FIAN, Professor of Molecular Immunology & Virology, Molecular Biology Unit, Institute of Medical Sciences, Banaras Hindu University, Varanasi 211005; Res. Quarter No.A2, New Medical Enclave, Opposite BHU Naria Gate, Varanasi 221005; Tel. 09621668812(M); Email: sunitsingh2000@gmail.com; Sp. Molecular Virology and Immunology.
- 1983 **SINGH, Surjeet** (b. 1942) PhD, Professor, Mathematics Dept., Kuwait University, P.O. Box No. 5969, Kuwait; Tel. 813-199(O), 846-843/4306(R); Sp. **Theory of Rings/Abelian Groups.**
- SINGH, Surendra Nath (b. 1939) PhD,Formerly Professor & Head, Dept. of Zoology, Banaras Hindu University, Varanasi; Res. N-8/236-R-40, Ganesh Dham Colony, Newada, Sunderpur, Varanasi 221005; Tel. (0542) 2317649(R); Sp. Physiology/Biochemistry/Aging.

2006 SINGH, Surendra Pratap (b. 1945) PhD, FNA, Chair-Central Himalayan Environment Association and Centre for Ecology, Development and Research; Formerly Professor & Head of Botany, Kumaun University, Nainital; Formerly Vice-Chancellor, HNB Garhwal University, Srinagar (Garhwal); Res. 179, Kalyan Kunj, Panditwadi, Dehradun – 248007; Tel. 09758765300(M); Email: surps@yahoo.com; spsecology@gmail.com; Sp. Ecology/Forest Science/Environment.

SINGH, Tej P. (b. 1944) PhD, DSc(hc), FNA, FASc, FBRS, FTWAS, SERB Distinguished Fellow, Dept. of Biophysics, All India Institute of Medical Sciences, New Delhi - 110029; Res. 163, Cityview Apartments, Plot 119, Sector - 35, Noida – 201301, NCR; Tel. (011) 20863675(O), (0120) 4545295(R), 09312249508, 09953830047(M); Email: tpsingh.aiims@gmail.com; Sp. X-ray Crystallography/Protein Structure/Peptide Design/Drug Discovery.

2002 SINGH, Udai Pratap (b.1942) PhD, FICN, Formerly Professor, IAS, BHU, Varanasi; Res. 22 Ganesh Dham Colony, Newada, Sunderpur, Varanasi - 221005; Tel. 09415354325(M); Email: upneem@gmail.com; Sp. Agriculture/ Plant Sciences.

2022 SINGH, Varsha (b. 1975) PhD, Associate Professor, Dept. of Molecular Reproduction, Development & Genetics, GB05, Bioscience Building, Indian Institute of Science, Bangalore - 560012; Res. HE-211, Faculty House Road, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22933464(O), 23600556(R), 08105075320(M); Email : varsha@iisc.ac.in; varshaiisc@gmail.com; Sp. Genetics/Microbiology/Immunology.

2014 SINGH, Vijay Awadesh (b. 1950) PhD, Raja Ramanna Fellow, Department of Physics, Health Centre Building, UM-DAE Centre for Excellence in Basic Sciences, Vidyanagri Campus, Kalina, Mumbai University, Santa Cruz (East), Mumbai 400098; Res. 402 Garden View (Building X-13), Shastrinagar, Near Lokhandwala Circle, Off JP Road, Andheri West, Mumbai–400053; Tel. 09867050450(M); Email : physics. sutra@gmail.com; Sp. Digital Materials (Nanostructural Semiconductors)/ Science Education Research / Promotion of Research in undergraduate Community.

1981 SINGH, Vikramaditya (b. 1928) PhD, Formerly Professor & Emeritus Fellow, UGC; Res. 3A/95 Azad Nagar, Kanpur-208002; Tel. (0512) 2544019(R) Sp. Theory of Functions.

2004 SINGH, Vinod Kumar (b. 1959) PhD, DSc, FNA, FASc, FTWAS, Professor, Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. H.No. 4056, IIT Campus, Kanpur - 208016; Tel. (0512) 2597291(O), 2598429(R), 09981144455(M); Email: vinodks@iitk.ac.in; Sp. Synthetic Organic Chemistry.

Council: F.S. 2023-

SINGH, Virendra (b. 1938) PhD, FNA, FASc, FTWAS, Formerly Director, TIFR, Homi Bhabha Road, Mumbai - 400005; Res. 51, New Cosmos, Juhu-Versova Link Road, Andheri (West), Mumbai - 400053; Tel. (022) 31886052(R), 09867263737(M); Email: vsingh1937@gmail.com; Sp. Theoretical Physics/High Energy Physics/Foundations of Quantum Mechanics.

Award: Prof. MN Saha Mem.Lect.Award-Nat.Acad.Sci.India (1995).

2008 SINGH, Vishwakarma (b.1951) PhD,FNA, JC Bose National Fellow, Formerly Professor, Dept. of Chemistry, IIT Bombay, Mumbai; Res. C-7, Vrindavan Estates, Pashabhai Park, Race Course Road, Vadodara - 390007; Tel. 09920920144(M); Email: vks@chem.iitb.ac.in; Sp. Organic Chemistry/Organic Synthesis and Photochemistry.

- 2014 SINGH, Yashwant (b. 1944) D.Phil., FASc, FNA, INSA Senior Scientist, Department of Physics, Banaras Hindu University, Varanasi 221005; Res. N-8/236, R-54, Ganesh Dham Colony, Nevada, Sunderpur, Varanasi 221005; Tel. (0542) 6701562(O), 09415991459(M); Fax : 2368390; Email : ysingh@bhu.ac.in; singh.yas44@gmail.com; Sp. Condensed Matter Theory/Statistical Physics/Theoretical Biology.
- 2010 SINGH, Yogendra (b. 1957) PhD, FASc, FNA, JC Bose National Fellow, Professor, Department of Zoology, University of Delhi, Delhi 110007; Res. BA-11 (Top Floor), Shalimar Bagh, Delhi-110088; Tel. 09871095673(M); Email: ysingh@zoology.du. ac.in; ysinghdu@gmail.com; Sp. Infectious Diseases/Protein Toxins.
- SINGHVI, Ashok Kumar (b. 1950) PhD, FNA, FASc, FTWAS, DST Year of Science Chair Professor, AMOPH Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380009; Res. B-31, Shakti Enclave, Satya Marg, Near Judges' Bungalows, Bodakdev, Ahmedabad 380054; Tel. 07940299639, 09099061962(M); Email: 2aksprl11@gmail.com; Sp. Geosciences (Quaternary, Geochronology, Paleoclimate, Radiation Effects in Minerals).
- 1982 SINGRU, Ramesh Madhao (b. 1935) PhD(Purdue,USA), FMA, Formerly Professor of Physics, I.I.T., Kanpur; Res. 5, Kinkhede Layout, Nr. Gardiner School, Civil Lines, Nagpur 440001; Tel. (0712) 2528003(R), 09850050456(M); Email: rameshsingru@yahoo.com; Sp. Nuclear Physics/Band Theory of Solids/Positron Annihilation.
- 2011 SINHA, Alok Krishna (b. 1969) PhD, FNA, FASc, Staff Scientist VII, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067; Res. H-VB-D1-002, NIPGR Campus, Aruna Asaf Ali Marg, New Delhi 110067; Tel. (011) 26735188(O), 26735142(R); Fax : 26741658; Email : alok@nipgr.ac.in; aloksinha@yahoo.com; Sp. Plant Physiology/Plant Biochemistry/Plant Molecular Biology.
- 2014 SINHA, Arun Kumar (b. 1961) PhD, Former Pro-Vice-Chancellor, Ranchi University; Former Chief Scientist & Professor, AcSIR, CSIR-CDRI, Lucknow; Res. Ayyachi Apt. #404, Sector 45, Near DPS School, Gurugram, Haryana; Tel. 09956278787(M); Email: aksinha8@rediffmail.com; Sp. Chemical Science/Organic Chemistry, Green Chemistry, Medicinal Chemistry, Natural Product Chemistry.
- 2011 SINHA, Arvind (b. 1963) PhD, Chief Scientist & Head, Advanced Materials & Processes Division, CSIR-National Metallurgical Laboratory, Jamshedpur; Res. A/V/07, NML Flats, Agricoarea, Jamshedpur 831009; Tel. (0657) 2345013(O), 2346053(R), 09431346594(M); Fax: 2345213; Email: arvind@nmlindia.org; Sp. Biomimetics/ Nanomaterials/Biomaterials.

1997 SINHA, Bhabani P. (b.1952) PhD, FIETE, FIEEE, FNAE, FWAST, Distinguished Professor, SOA University, Bhubaneswar – 751030; Formerly Professor, ISI, Kolkata; Res. Koylavihar Abhinandan, Yamuna Block, Flat B-303, Kolkata - 700052; Tel. 09433009433(M); Email : sinha.bhabani@gmail.com; Sp. Parallel/Distributed Computing, Mobile Computing, Wireless Networks.

- SINHA, Bikash Chandra (b. 1945) PhD(Lond.), DSc(Lond.), FNA, FNYAS(USA), FTWAS, FASc, DAE Homi Bhabha Professor and Formerly Director, Variable Energy Cyclotron Centre, Department of Atomic Energy, Formerly Director, Saha Institute of Nuclar Physics, 1/AF, Bidhan Nagar, Kolkata 700064; Res. 2/4B, Sarat Bose Road, Kolkata -700020; Tel. (033) 23370032, 23371230(VECC), 2475 2206, 9927(R); Fax: 23346871; Email: bikash@vecc.gov.in; Sp. High Energy Physics/Quark Gluon Plasma/Early Universe Cosmology.
- 1976 **SINHA, Brij Mohan** (b. 1918) PhD, FZSI, Formerly Professor & Head, Zoology Department, Vikram University, Ujjain; Res. C/O Dr. Anil Sinha, District Hospital Barwani, Distt. W.Nimar (M.P.); Sp. **Fish:Systematics & Morphology/Fisheries.**
- SINHA, Dilip Kumar (b. 1940) PhD, FIMA(UK), FWBSCT, Former Rash Behary Ghose Professor of Applied Mathematics, University of Calcutta; Currently, President, Institute of Educational Research & Studies, Kolkata; Res. 69/A, Ekdalia Road, Kolkata 700019; Tel.(033) 24406913(R), 09830461736(M); Email: dilipkumarsinha@rediffmail.com; Sp. Nonlinear Mathematics/Mathematical Ecology/Natural Disaster & Risk Management.
- SINHA, Krityunjai Prasad (b. 1929) PhD(Poona & Bristol), FNA, FASc, INSA Honorary Scientist, Emeritus Professor, Department of Physics, IISc, Bangalore 560012; Former Director, Instt. of Research on Self Organising Complex Systems, Shillong; Formerly Senior Professor & Chairman, Div. of Physics and Mathematical Sciences, I.I.Sc., Bangalore; Res. Sterling Residency, D-105, RMV 2nd Stage, Dollars Colony, Bangalore 560094; Tel. (080) 23518553(R); Email: kritpsinha@gmail.com; kpsin03@yahoo.com; Sp. Solid State Physics/Theoretical Physics/Condensed Matter Nuclear Science.
- 1966 **SINHA**, **K.D.P.** PhD,Professor, Mathematics Dept., L.S. College, Bihar Univeristy, Muzaffarpur (Bihar); Sp. **Mathematics**.
- SINHA, Pratima (b. 1952) PhD, FASc, Former Senior Professor of Biochemistry, Bose Institute; Res. D7/9 SF, Exclusive Floors, DLF City Phase 5, Gurugram - 122009; Tel.(0124) 4038150(R), 09910464794(M); Email: pratima.sinha12@gmail.com; Sp. Molecular Biology/ Yeast Genetics.
- SINHA, Prawal PhD, FIAMMS, Former Professor, Department of Mathematics, Indian Institute of Technology, Kanpur; Res. Flat No. 1201, Tower 6, NRI Heights, VS NRI City, Mainawati Marg, Azad Nagar, Kanpur – 208002; Tel. 09415406401, 09559533999(M); Email: prawal@iitk.ac.in;prawal@iitbbs.ac.in;

SINHA, Rajiv (b. 1965) PhD(Cambridge), Professor, Department of Earth Sciences, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. House No. 665, IIT Kanpur Campus, Kanpur - 208016; Tel. (0512) 2597317(O), 2598218(R); Fax: 2596469; Email: rsinha@iitk.ac.in; Sp. Quaternary Geology/ Geomorphology/River Science, Climate Change.
 SINHA, Sanjeev (b. 1965) MD(Medicine), Professor of Medicine,

2016 SINHA, Sanjeev (b. 1965) MD(Medicine), Professor of Medicine, Department of Medicine, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 110029; Email: drsanjeevsinha@gmail.com; Tel. 09810164416(M); Sp. Infectious Diseases/Pulmonary Medicine.

Council: Mem. 2020-21

1996 SINHA, Somdatta (b. 1951) PhD, FNA, FASc, Adjunct Professor, Indian Institute of Science Education and Research (IISER) Kolkata, Mohanpur - 741246, Dist. Nadia, WB; Adjunct Professor, IISER, Mohali, Punjab; Tel. 08968744849(M); Email: somdattasinha@gmail.com; Sp. Theoretical and Computational Biology/Complex Systems.

2005 SINHA, Subrata (b. 1958) MD, PhD, FNA, FASc, FAMS, National Science Chair, Department of Biochemistry, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 110029; Res. H 1/3 Hauz Khas, New Delhi - 110016; Tel. 09811901376(M); Email: sub\_sinha@hotmail.com; sub\_sinha 2004@yahoo.co.in; Sp. Molecular Oncology/Immunology/Neurogenetics.

SINHA, Vishwa Raman Prasad (b. 1938) PhD, FNA, FNAAS, Formerly Director and Founder VC, Central Institute of Fisheries Education, Mumbai; Formerly Consultant to the World Bank & UN/FAO, USA; Res. 1895, Pioneer Drive, Sewickley, PA 15143, USA; Tel. (001) 412-367-2030, 412-596-3902, 001-724-777-8568(M); Email : drvrpsinha@yahoo.com; vishwaraman@hotmail.com; Sp. Fish & Fishery Science.

2002 SIROHI, Rajpal Singh (b.1943) PhD, FNAE, FSPIE, FOSA, FOSI, FISOI, Former Director, IIT Delhi, Former Vice-Chancellor, Bhopal University; Res. #35, A-15A, Tripura Nest Apartment, 11<sup>th</sup> Cross, Between 6<sup>th</sup> and 7<sup>th</sup> Mains, Malleswaram, Bengaluru-560003; Tel. (03712) 275585(O), 09799996810(M); Email: rajpal.sirohi@gmail.com; rs\_sirohi@yhaoo.co.in; Sp. Applied Optics/Coherent Optics/Optical Metrology/Laser Based Instrumentation.

2023 SIVAN, Kailasavadivoo (b. 1957) PhD, FNAE, FSSI, Former Chairman, Space Commission, Chairman, ISRO and Secretary, Department of Space; Ex Director, Liquid Propulsion Systems Centre, 1, TC 50/872(10) Kalady, Karamana Post, Thiruvananthapuram-695002; Tel. (0471) 2347315(R); Email: isropr@isro.gov.in; Sp. Integrated Mission Design and Analysis/Guidance System Design.

SIVARAM, Swaminathan (b. 1946) PhD, FNA, FASc, FNAE, FTWAS, FRSC, FIIChE, DSc (hc, Purdue University), Honorary Professor Emeritus & INSA Emeritus Scientist, Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pune – 411008; Res. Apartment #10, Gulmohar Glory, 5, Gulmohar Park, ITI Road, Aundh, Pune-411007; Tel. (020) 25908434(D), 25908001(B), 09860799954(M); Email: s.sivaram @iiserpune.ac.in; sivaramswaminathan01@gmail.com; Sp. Polymer Science and Technology/ Industrial Organic Chemistry/Science, Technology/ Innovation and Public Policy.

1992 SOBTI, Ranbir Chander (b. 1948) PhD, DSc, FNA, FAMI, FZS, FSCG, FPAS, FNAMS, FIACS (Canada), Senior Scientist, INSA, Department of Biotechnology, Panjab University, Chandigarh – 160014; Formerly Vice-Chancellor, Panjab University, Chandigarh & BBA University, Lucknow; Tel. 08005002683(M); Email: rcsobti@bbau.ac.in; rcsobti@pu.ac.in; Sp. Cell Biology/ Environmental and Cancer Cell Biotechnology/Human Genetics.

Council: Mem. 2010-2011

1977 SODHA, Mahendra Singh (b. 1932) D.Phil., FNA, Visiting Professor at Lucknow University, IIT Delhi and NCU Gurgaon; Dept. of Education Building, Lucknow University, Lucknow – 226007; Formerly VC, Indore, Lucknow & Bhopal Universities; Res. B-113, Nirala Nagar, Lucknow - 226020; Tel. 09839705081(M); Email: msodha@rediffmail.com; Sp. Energy/Plasmas/Applied Physics.

2006 SOM, Sankar Kumar (b. 1949) PhD,FNAE,FIE, Visiting Professor, Indian Institute of Engineering Science & Technology, Shibpur; Former Professor, Department of Mechanical Engineering, IIT Kharagpur; Res. Flat No. 5A, 55, Purbachal Main Road, Premises No.: 368, Kolkata - 700068; Tel. (033) 24840107(R); Email: sksom@mech.iitkgp.ac.in; Sp. Thermal Science and Engineering/Droplet and Spray Combustion.

2021 SOMA, Venugopal Rao (b. 1972) PhD, FRSC, FInstP(UK), FTAS, FSPIE, Professor, ACRHEM, South Campus, University of Hyderabad, Prof. CR Rao Road, Hyderabad - 500046; Res. S-701, Aparna Cyber Zon, Nallagandla, Near Citizens Hospital, Serilingampally, Hyderabad - 500019; Telangana; Tel. (040) 23138811(O), 48598553(R), 09963699816, 08309249599(M); Fax : 23012800; Email : soma\_venu@uohyd.ac.in; somavenu@gmail.com; Sp. Ultrafast Laser Spectroscopy/Ultrafast Nonlinear Optics/ Explosives Detection.

2007 SOMASUNDARAM, Kumaravel, (b. 1962) PhD, FNA, FASc, Professor, Dept. of Microbiology and Cell Biology, Indian Institute of Science, Bangalore-560012; Res. E17, IISc Quarters, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22932973, 23607171(O), 23602136(R); Fax: 23602697; Email: skumar1@iisc.ac.in; ksomasundaram1@gmail.com; Sp. Cancer Biology/Genetics/Virology.

2023 SOMANATH, Sreedhara Panicker (b. 1963) ME, FNAE, FAeSI, Chairman, Space Commission, Chairman, ISRO and Secretary, Department of Space, Antariksh Bhawan,New BEL Road, Bangalore - 560231; Res. M-13, Murali Nagar, Ambalamukku, Peroorkada PO, Trivandrum - 695005; Tel. (080) 23415241(O); Email : chairman@isro.gov.in; sssnath@gmail.com; Sp. Launch Vehicles Systems Engineering/Structural Design/Analysis.

2017 SONIYA, Eppurath Vasudevan (b. 1965) PhD, Scientist G, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram-695014; Res. TC 17/410(1), Chithira, Poojappura, Thiruvananthapuram -695012; Tel. (0471) 2529454(O), 2345339(R), 09446100490 (M); Email: evsoniya@rgcb.res.in; Sp. Plant Molecular Biology/Plant Biotechnology.

2005 **SONTI, Ramesh Venkata** (b. 1960) PhD, FASc, FNA, FNAAS, Professor and Chairperson, Biology Department, Indian Institute of Science Education and Research Tirupati, Karakambadi Road, Tirupati - 517507, AP; Former Director, NIPGR, New Delhi; 09441055295(M); Email: sonti@iisertirupati.ac.in; ramesh vsonti@gmail.com; Sp. **Microbiology/Plant Protection/Plant Genetics.** 

SOOD, Ajay Kumar (b. 1951) PhD, FRS, FNA, FASc, FTWAS, Principal Scientific Adviser to the Government of India, Room No. 319, Vigyan Bhawan Annexe, Maulana Azad Road, New Delhi – 110011; National Science Chair, Professor, Department of Physics, Indian Institute of Science, Bangalore - 560012; Res. Hoyasala Samruddhi, Apt No. B-805, Amruthahalli, Bangalore - 560092; Tel. (011) 23022112(O); Fax: 23022113; Email: sood.ajay@gov.in; asood1951@gmail.com; Sp. Experimental Condensed Matter Physics/Soft Condensed Matter/Quantum Materials.

Council: Mem. 2004-07

1979 SOOD, Prakash Chandra (b. 1928) PhD, Department of Physics, Sri Sathya Sai Institute of Higher Learning, Prasanthi Nilayam - 515134; Formerly Professor & Head, Department of Physics and Dean, Faculty of Science, Banaras Hindu University, Varanasi; Res. A-10 Surya Vihar, Nehru Nagar PO, Bhilai (CG) - 490020; Tel. 09440855939(M); Email: sood.prakash@gmail.com; Sp. Nuclear Physics.

SOPORY, Sudhir Kumar (b. 1948) PhD, FNA, FASc, FNAAS, FTWAS, Senior Emeritus Scientist, ICGEB; Formerly Vice-Chancellor, JNU, New Delhi; Formerly Professor & Group Leader, Plant Molecular Biology, and Director (Interim), ICGEB, New Delhi; Res. 584, Sector 14, Faridabad - 121007, Haryana; Tel. 09811431741(M); Email: sopory@hotmail.com; sk.sopory@gmail.com; Sp. Molecular Plant Physiology.

Award : Prof. Saligram Sinha Memorial Lecture Award - Nat.Acad. Sci. India (2001).

Council: V.P. 2015-16

2018 SOURADEEP, Tarun (b. 1967), PhD, FASc, FISGRG, Director, Raman Research Institute, Bengaluru - 560080; Res. Director's Bungalow, Raman Research Institute, CV Raman Avenue, Sadashivanagar, Bengaluru - 560080; Tel. (080) 23611012(O), 09480836002, 09422644463(M); Email: tarun@rri.res.in; Sp. Cosmology/Cosmic Microwave Background Gravitation/ Gravitational Waves Ultra-HEP/ Early Universe Physics.

2002 SREEHARI, Maddipatla (b.1942) PhD, FGSA, Formerly Professor of Statistics, M.S. University, Vadodara; Res. 6-B, Vrundavan Park, New Sama Road, Chani Road PO, Vadodara - 390024; Tel. (0265) 7968340(R), 09724308321(M); Email: msreehari03 @yahoo.co.uk; Sp. Probability/Stochastic Modeling/Characterization Problems.

2005 SREE HARI RAO, Vadrevu (b. 1951) PhD, FFA, Director and Principal Research Scientist, Foundation for Scientific Research & Technological Innovation, Plot No. 20, H.No. 13-405, Alakapuri, Rama Krishna Puram Post, Hyderabad - 500102; Tel. 07013333599; Email: vshrao@researchfoundation.in; vshrao@gmail.com; Sp. Dynamical Systems/Mathematical Modelling/Artificial Intelligence/Machine Learning/Data Science.

SREEKANTAN, Badanaval Venkata (b. 1925), PhD, FNA, FASc, Honorary Visiting Professor, National Institute of Advanced Studies, I.I.Sc. Campus, Bangalore - 560012; Formerly Director, Tata Institute of Fundamenal Research, Mumbai; Res. 231, Usha Kiran, 15th Cross Road, Malleshwaram, Bangalore - 560003; Tel. (080) 22185082(O), 23347434(R); Fax: 23606634; Email: bvs@nias.iisc.ac.in; bvsreekantan@gmail. com; Sp. Cosmic Rays/ High Energy Physics and Astronomy.

- 2018 SREEMAN, Sheshshayee Madavalam (b. 1964), PhD, Professor, Department of Crop Physiology, University of Agricultural Sciences, GKVK, Bangalore 560065; Res. 12, Santhosh Vihar Phase I, KV Jayaram Road, Jakkur, Bangalore; Tel. (080) 23636713 Extn. 205(O), 09972308219(M); Email: msshesh1@uasbangalore.edu.in; Sp. Stress Physiology/Stable Isotope Biology/Photosynthesis.
- SRIDHARAN, Rajagopal (b. 1948) PhD, FASc, Formerly Director, Space Physics Laboratory, Trivandrum; NASI Honorary Scientist, Physical Research Laboratory, Ahmedabad 380009; Res. 6/4, Aalay Apartment, Vastrapur, Ahmedabad 380015; Tel. (079) 35838378(R), 09429199824(M); Email: r\_sridharan777@yahoo.co.in; sridharan@prl.res.in; Sp. Aeronomy/Solar Terrestrial Physics.
- SRIDHARAN, Ramaiyengar (b. 1935) PhD, FNA, FASc, Adjunct Professor, Chennai Mathematical Institute, H1, SIPCOT IT Park, Padur Post, Siruseri, Kelambakkam, Chennai 603103; Tel. (044) 27470227/1231(O), 24511692(R); Fax: 27470225; Email: rsridhar@cmi.ac.in; Sp. Algebra.
- 2001 SRIKANTH, Pannapalli Nallanchakravarthy (b. 1950) PhD, Professor (H), Tata Institute of Fundamental Research, Centre for Applicable Mathematics, Sharadanagar Chikkabommasandra, Post Bag 6503, GKVK P.O. Bangalore 560065; Res. 974, 4th Main, D-Block, II Stage Rajajinagar, Bangalore-560010; Tel. (080) 66953790-95, 22796447(O), 2325381(R); Fax: 66953799; Email: srikanth@math.tifrbng.res.in; Sp. Nonlinear Functional Analysis and Applications to Differential Equations.
- 1992 SRIMAL, Rikhab Chand (b. 1937) MBBS, MD, FAMS, FIANS, FNA, Formerly Director, IITR, Lucknow; Res. B-4 Sarita Vihar, New Delhi-110076; Tel. (011) 41402719(R), 09899193701(M); Email: rcsrimal@yahoo.com, rcsrimal@hotmail.com; Sp. Pharmacology/Toxicology/Natural Products.
- 2017 SRINIVAS, Vasudevan (b. 1958) PhD, FASc, FNA, FTWAS, Former Professor (J), School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005; Res. 601, Satyendra, TIFR Colony, Homi Bhabha Road, Colaba, Mumbai 400005; Tel. (022) 22782217(O), 22804966(R), 09867292122(M); Fax : 22804610; Email : srinivas@math.tifr.res.in; Sp. Algebraic Geometry/Commutative Algebra/K-Theory.

SRINIVASAN, Ramaswamiah (b. 1943) PhD, FNA, FASc, Formerly Scientist F, National Geophysical Research Institute, Hyderabad; Visiting Professor, Divecha Centre for Climate Change, IISc, Bangalore - 560012; Res. 114, Ramanashree Nagar, SOS Post, Bannerghatta Road, Bangalore - 560076; Tel.(080) 42049466(R), 09632319090(M); Email: srinimalu@gmail.com; Sp. Precambrian Geology with special reference to sedimentation, structure and stratigraphy/Groundwater Quality and Sustainability.

2010 SRINIVASÁN, Srikanth (b. 1960) PhD, FNAE, FIE, Former Director, CSIR-National Metallurgical Lab & Outstanding Scientist, CSIR, No. 12, Ganpathy Nagar Layout, Kolathur, Chennai - 600099; Tel. 09566156748(M); Email : ssrikanthnml@gmail.com; Sp. Thermodynamics & Kinetics/ Extractive Metallurgy/Life

Cycle Assessment/Solid Oxide Fuel Cells.

1998 SRINIVASA RAO, Killampalli, (b. 1942) PhD, Senior Professor, The Institute of Mathematical Sciences, C.I.T. Campus, Chennai - 600 113; Res. 90/1, Second Main Road, Gandhi Nagar, Chennai - 600 020; Tel. (044) 2351856, 2351049(O), 4411347(R); Email: rao@imsc.res.in; Sp. Quantum Theory of Angular Momentum/Quantum Groups & Algebras/ Special Functions.

2012 SRIVASTAV, Ajai Kumar (b. 1953) PhD, Professor Emeritus, Department of Zoology, DDU Gorakhpur University, Gorakhpur-273009; Res. Saran Niwas, Near Bunty Shamiana House, Basantpur, Gorakhpur - 273005; Tel. 09336400846(M); Email: ajaiksrivastav@hotmail.com; Sp. Fishery Biology/Endocrinology/Toxicology.

SRIVASTAVA, Abinash Chandra (b. 1934) PhD, D.Sc., Formerly Professor and Head of the Department of Mathematics, Dibrugarh University, Dibrugarh, Assam-786003; Res. 19/726, Indira Nagar, Lucknow- 226016; Tel. (0522) 2715324(R), 09451994153(M); Email: acsrivastava\_dr@rediffmail.com; Sp. Fluid Mechanics/Heat Transfer.

2021 SRIVASTAVA, Achal Kumar (b. 1966) MBBS, MD, DM, FRCP(London), FIAN, FAMS, Professor, Department of Neurology, Room No.60, GF, CN Center, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 110029; Res. E69, Ansari Nagar(East), AIIMS Campus, New Delhi - 110029; Tel. (011) 26546688(O), 26589669(R), 09811178784(M); Fax: 26588663; Email: achalsrivastava@hotmail.com; Sp. Movement Disorders/Epilepsy/Clinical Neurophysiology.

2019 SRIVASTAVA, Ashwini Kumar (b. 1953) PhD, Former Professor & Head, Department of Chemistry, University of Mumbai, Vidyanagari, Mumbai - 400098; Res. G-304, Premier Residences, Off. LBS Marg, Kurla (West), Mumbai - 400070; Tel. 09869839956, 08693815881(M); Email: srivastava.ashwini @gmail.com; Sp. Analytical Chemistry/Electrochemistry/Chromatography.

SRIVASTAVA, Brahm Shanker (b. 1943) PhD, Deputy Director & Head Microbiology, Professor & Head of Biotechnology, at JNU, New Delhi; Res. 2/79, Vijay Khand, Gomti Nagar, Lucknow- 226 016; Tel. (0522) 2220908(O), 2391036(R); Fax: 2223405; Email: drbrahm@yahoo.com; Sp. Microbial & Molecular Genetics/Biotechnology/Molecular Biology.

SRIVASTAVA, Chandra Mani (b.1932) PhD(Lond.), DIC(Lond.), FNA, FMAS, Emeritus Professor, IIT, Mumbai; Formerly Professor of Physics & Head, Advanced Centre for Research in Electronics & Materials Science Centre, Indian Institute of Technology, Powai, Mumbai - 400076; Res. 604, Prerana, Opposite IIT Main Gate, Powai, Mumbai - 400076; Tel. (022) 25722545, 25726530, 25787127(R); Email: srivascm@iitb. ac.in; Sp. Ferromagnetic Relaxation & Superconductivity.

SRIVASTAVA, C.B.L. (b. 1938) D.Phil., D.Sc., Formerly Professor & Head, Zoology Department, Emeritus Fellow (UGC), Dean, College Development Council, University of Allahabad, Prayagraj-211 002; Res. A-175, FF4, Shalimar Garden Extension 2, Sahibabad, Gaziabad - 201005; Tel. 09838570140 (M); Email: srivastavacbl@rediffmail.com; Sp. Fish Anatomy/ Neurobiology.

Award: U.P. Education Minister's Gold Medal in Zoology - Nat.Acad.Sci.India Award (1985).

Council: F.S. 89-90, 95-96 Tre. July 2006-Sept 2006 Mem. 2005-07

SRIVASTAVA, Deepak Chandra (b. 1956) PhD, FNA, FASc, JC
Bose National Fellow, Professor, Department of Earth
Sciences, Indian Institute of Technology - Roorkee, Roorkee 247667; Res. 205/4, Saraswatikunj, IIT Campus, Roorkee 247667; Tel. (01332) 285558(O), 285112(R), 09456381281,
9760024767(M); Fax: 285638; Email: dpkesfes@gmail.com;
Sp. Structural Geology.

2012 SRIVASTAVA, Dinesh Kumar (b. 1952) PhD, FNA, Honorary Visiting Professor and INSA Senior Scientist, National Institute of Advanced Studies (Indian Institute of Science Campus), Bengaluru – 560012; Res. 26, Krishna Gardenia Apartments, 559, Fifth Main Road, RMV Extension Phase II, Dollars Colony, Bengaluru – 560094; Tel. (080) 22185133(O), 09836176868(M); Email: dinesh.srivastava@nias.res.in; srivastava.dinesh. kumar@gmail.com; Sp. Quark Gluon Plasma, Energy and Environment, Science Communication.

Council: Mem. 2018-19

SRIVASTAVA, Hari Krishna (b. 1944) PhD(Texas, USA), Formerly Senior Director Grade Scientist, CIMAP, Lucknow; Formerly Advisor, DBT, New Delhi; and Formerly National Coordinator, ICGEB, New Delhi; Res. D-III/3522 Vasant Kunj, New Delhi - 110070; Tel. (011) 26139222; Email: hksri1@ hotmail.com; Sp. Plant Breeding/Molecular Genetics.

SRIVASTAVA, Hari Mohan (b. 1940) PhD, DSc (hc, Taiwan), DSc(hc, Romania), FRAS(Lond.), FIMA(UK), CMath, FVPI, FAAAS(USA), FFA, FMRAS (Belgi.), FACC (Spain), CSci, FMASA (Macedonia), FIAPS, Professor Emeritus, Department of Mathematics & Statistics, University of Victoria, Victoria, British Columbia V8W 3R4, Canada; Res. 4533 Gordon Point Drive, Victoria, British Columbia V8N 6L2, Canada; Tel. (250) 472-5313(O), 477-6960(R); Fax: 721-8962; Email: harimsri@math.uvic.ca, hmsrivas@math.uvic.ca; harimsri@uvic.ca; Sp. Mathematical Analysis/Applicable Mathematics/Mathematical Physics/Inventory Modelling and Optimation/Probabity and Statistics.

1990 SRIVASTAVA, Hari Narain (b. 1936) PhD, Consultant (Environmental Sciences and Disaster Management); Formerly Addl.Director General of Meteorology; India Meteorological Department, Lodi Road, New Delhi; Res. 128, Pocket A, Sarita Vihar, New Delhi-110044; Tel. (011) 26976087(R), 09350904775(M); Email: hn\_srivastava@hotmail.com; Sp. Seismology/Meteorology.

- 1988 SRIVASTAVA, Jitendra Prasad (b. 1940) PhD, Crop Science Specialist, Agricultural and Rural Development Dept., The World Bank, 1818 H. Street, N.W. Washington, D.C. 20433, USA; Sp. Genetics/Plant Breeding.
- 1985 **SRIVASTAVA, K.K.** (b. 1933) D.Phil., D.Sc., Formerly Professor, Physics Department, Panjab University, Chandigarh; Res. 266, Chandralok Colony, Aliganj, Lucknow-226024;Tel. (0522) 2328757(R), 09235259275(M); Sp. **Semiconductor Physics.**
- 1977 SRIVASTAVA, Krishna Mohan (b. 1935) PhD, D.Sc., Formerly Professor of Mathematics, Roorkee University; Res. DII/2019, Vasant Kunj, New Delhi 110070; Tel. (011) 26897087, 09310064206(M); Email: krish.srivas@gmail.com; Sp. Fluid Mechanics/Plasma Dynamics.
- SRIVASTAVA, Mahendra Pratap (b. 1942) PhD,FPSI, MBSPP (Lond.), MGPS (Berlin), Formerly Director Planning, Monitoring & Evaluation and Professor & Head, Department of Plant Pathology, CCS Haryana Agricultural University, Hisar; Res. F-44 (FF), Tulip Garden, Sushant Lok- II, Sector-57, Gurgaon -122011; Tel. (0124) 4240277, 09818398655(M); E-mail: mpsrivastava28@gmail.com; Website: www.xsgrowth.com; Sp. Mycology & Plant Pathology/Transfer of Technology, Plant Health Clinic/Food Security/ Pesticides/Integrated Pest Management.
- 2013 SRIVASTAVA, Padma Vasantha (b. 1965) MBBS, MD, DM (Neurology), FAMS, Professor of Neurology, Room No. 708, CN Center, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029; Res. CII-23, AIIMS Campus (East), Ansari Nagar, New Delhi 110029; Tel. (011) 26594794(O), 26588801(R), 09868398261, 09810819167(M); Fax : 26588022; Email : vasanthapadma123@gmail.com; Sp. Stroke/Multiple Sclerosis/Vascular Dementia.
- 2002 SRIVASTAVA, Prakash Chandra (b.1950) PhD, Professor & Head, Chemistry Department, Lucknow University, Lucknow 226007; Res. D-2235, Indira Nagar, Lucknow 226016; Tel. (0522) 2710421(O), 7010715(R); Email: pcsrivastava31@ rediffmail.com; Sp. Organometallics/X-ray Diffraction/Supramolecular Chemistry.
- 2003 SRIVASTAVA, Prem Shankar (b. 1947) PhD, FBS, Former Professor, Department of Biotechnology, Hamdard University, New Delhi; Res. C/o Prof. Sheela Srivastava, Department of Genetics, South Campus, University of Delhi, Dhaula Kuon, New Delhi 110021; Tel. (011) 24111258(R); Email: pss410@rediffmail.com; Sp. Plant Tissue Culture/ Transgenics/DNA Polymorphism.

1980 **SRIVASTAVA, Pyare Lal** (b. 1931) PhD, Formerly Professor, P.G. Physics Dept., Bhagalpur University, Bhagalpur; Res. 3/394, Vivek Khand, Gomtinagar, Lucknow - 226010; Tel. (0522) 2394319(R); Sp. **Solid State Physics.** 

- 1978 SRIVASTAVA, Radhey Shyam (b. 1931) PhD, FUWAI, Formerly Scientist 'E', DRDO; Visiting Professor, Tokyo Denki University, Tokyo, Japan; Chiba University, Chiba, Japan; Ernst Mach Institute, Freiburg, Germany; Res. A-3/260, Janakpuri, New Delhi 110058; Tel. (011) 25500381(R); Email: rssuncle@yahoo.co.uk; Sp. Fluid Mechanics/Biomechanics/ Shock Waves.
- 2014 SRIVASTAVA, Rajesh Kumar (b. 1961) PhD, FNA, FASc, JC Bose National Fellow, Senior Professor, Department of Geology, Banaras Hindu University, Varanasi 221005; Res. 2021, Block-B, KBN Lion Enclave, Sunderpur, Nevada, Varanasi 221005; Tel. 09415812079, 09336906925(M); Email : rajeshgeolbhu@gmail.com; rajeshgeolbhu@bhu.ac.in; Sp. Igneous Petrology/Geochemistry/Precambrian Tectonics/ Supercontinent Reconstructions/Planetary Science.
- 1970 SRIVASTAV, Ram Prasad (b. 1934) PhD(Lucknow & Glasgow), D.Sc.(Glasgow), Professor Emeritus of Applied Mathematics & Statistics, SUNY at Stony Brook, New York, 11794-3600, USA; Res. 53,Twisting Drive,Lake Grove, New York-11755, U.S.A.; Tel. 631-585-4846(R); Email: ram.srivastav@stonybrook.edu; Sp. Analysis.
- 1984 SRIVASTAVA, Ramesh Chandra (b. 1935) PhD, Formerly Professor & Head of Chemistry Department at HBTI, Kanpur, BITS, Pilani and BHU, Varanasi; Res. D-165 (First Floor), Sector P, Aliganj, Lucknow 226024; Tel. 09919753069, 09919944269(M); Email : rcs\_bits@yahoo.com; Sp. Nonequilibrium Thermodynamics/Network Thermodynamics/Biophysical Transport Studies.
- 1985 SRIVASTAVA, Ramesh Chandra (b. 1936) D.Phil., Formerly Professor, Physics Department, I.I.T., Kanpur; Res. 7FF Basera Palash, New Hyderabad, Lucknow 226 007; Sp. X- Ray Crystallography/Crystal Physics.
- 2003 SRIVASTAVA, Ramesh Chandra (b. 1953) PhD, Fellow DAAD, Fellow Humboldt, Professor, Department of Mathematics and Statistics, D.D.U. Gorakhpur University, Gorakhpur 273009; Res. Shyam Keshwari Ashram, 784-E, Vishnupuram, Basharatpur, Gorakhpur 273004; Tel. (0551) 2500513(R); Email: rcs.shockwaves@gmail.com; ramesh\_maths\_ddu@indiatimes.com; Sp. Fluid Dynamics/Numerical Simulation of Shock Wave Problems/O.R.
- SRIVASTAVA, Ramesh Kumar (b. 1973) PhD, Principal Scientist & Head, Business Development Group, CSIR-CIMAP, Lucknow 226015; Res. 15/71, Sector 15, Indira Nagar, Lucknow 226016; Tel. (0522) 2718637(O), 3159412(R), 08004743355, 09044922166(M); Email : rksrivastava@cimap.res.in; rks.lucknow@gmail.com; Sp. Technology Dissemination & Entrepreneurship Development/Cultivation & Processing of Medicinal & Aromatic Plants/Utilization of Offered-waste flowers into value added products.

1971 SRIVASTAVA, Ravindra Kumar (b. 1932) PhD, Formerly Professor of Biochemistry; Veterinary College, Mathura; Res. C/o Dr. A.D. Srivastava, 514, Rajat Colony (Gate No. 3), Bundi, Rajasthan; Sp. Biochemistry.

SRIVASTAVA, R.D. (b. 1941) PhD(Canada), Former Professor & Head, Chemical Engineering Department, IIT, Kanpur; Principal Engineer, KeyLogic Systems, National Energy Technology Laboratory, Pittsburgh, PA 15236, USA; Res. House No. 3040, Annandale Drive, Presto, PA 15142, USA; Email: ram.srivastava@netl.doe.gov, rdsu2@verizon.net; Sp. Chemical Engineering Kinetics & Catalysis; Oil & Gas.

2019 SRIVASTAVA, Rohit (b. 1976) PhD,FRSC(London),FRSB(London), FNAE, FAMS, Himanshu Patel Chair Professor, Department of Biosciences and Bioengineering, IIT Bombay, Powai, Mumbai - 400076; Res. 205, Lilium, Nahar Amrit Shakti, Chandivali, Mumbai - 400072; Tel. (022) 25767746(O), 09867980408(M); Email: rsrivasta@iitb.ac.in; Sp. Point of Care Diagnostic Devices/MEMS Technologies/Nanoengineered Biosensors. Council: Mem. 2023-

1977 SRIVASTAVA, Shyam Lal (b. 1940) DPhil, FIETE, Formerly Professor & Head of Physics Dept., Allahabad University and Formerly Coordinator, K.Banerjee Centre of Atmospheric and Ocean Studies, Meghnad Saha Centre for Space Studies, Allahabad University; Res. 129,Allenganj, Prayagraj - 211 002; Tel. (0532) 2466239(R); Fax: 2641183; Email: slsrivastava@rediffmail.com; Sp. Microwaves/Molecular Interactions/Phase Transitions.

Council: Mem. 2002-03 Tr. June 2003-2007

2003 SRIVASTAVA, Sudha (b. 1953) PhD, Research Scientist 'G', Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Mumbai - 400005; Res. 402 Meghnad, TIFR Housing Colony, Homi Bhabha Road, Navy Nagar, Mumbai - 400005; Tel. (022) 22804545 Ext.2377(O), 22804818(R); Fax: 22804682 /4610/4611; Email: ss1953@gmail.com; Sp. NMR/ Biophysics.

2002 SRIVASTAVA, Suresh Chandra (b.1944) PhD, FPS, FBS, Formerly Professor & Head, Department of Botany, University of Lucknow, Lucknow; & Emeritus Fellow (UGC), National Botanical Research Institute, Ranapratap Marg, Lucknow-226001; Res. 19/738, Sector-19, Indira Nagar, Lucknow-226016; Tel. (0522) 4076695(R) 09695515878(M); Email: sri\_scs@rediffmail.com; Sp. Biodiversity/Taxonomy and Conservation of Bryophytes.

1980 SRIVASTAVA, S.N. PhD(Lko.), FRIC, Expert & Chief Tech.Adviser, UNESCO, Science Centre, PBox No.832, Alexandria (Egypt);

2005 SRIVASTAVA, Umesh Chandra (b. 1950) D.Phil., Doctor of Neurophysiology (Pisa), FIAN, Managing Editor - Proceeding of NASI; Formerly Emeritus Professor; Formerly Professor, Department of Zoology, University of Allahabad, Prayagraj; Res. 25-A, Shashipuram, Shiv Ram Das Gulati Marg (Mayo Road), Prayagraj - 211002; Tel. 09335120178(M); Email: ucsrivastava@rediffmail.com; Sp. Cell Biology/ Neuroanatomy/Neurochemistry.

Council: Tr. 2008-11, 2020-23 G.S. 2014-17

SUBBARAO, Sarala Karumuri (b. 1943) PhD(Illinois), FNA, FISCD, Formerly Consultant, Vector Borne Diseases Science Forum, Epidemiology and Communicable Diseases Division, ICMR, New Delhi; Formerly Director, NIMR, New Delhi; Res. 13/704 East end Apartments, Mayur Vihar Phase I Extension, Delhi-110096; Tel. (011) 43094675(R), 09810605455(M); Email: subbaraosk@gmail.com; Sp. Mosquito Genetics & Cytogenetics, Molecular Entomology & Epidemiology, Transmission Dynamics and Control of Vector-borne Diseases with Special Interest in Malariology and Vectors Transmitting Dengue, Chikungunya and Zika.

2007 SUBHEDAR, Nishikant Kashinath (b. 1948) PhD, Department of Pharmaceutical Sciences, R.T.M. Nagpur University, Nagpur - 440033; Res. Q-21, Laxmi Nagar, Nagpur - 440022; Tel. (0712) 2500324(O), 2237638(R); Fax: 2549521; Email: nksubhedar@hotmail.com; Sp. Neurosciences/Neuro-peptides/Animal Behavior.

2009 SUBRAHMANYAN, Ravi (b. 1960) PhD, Space & Astronomy CSIRO, 26, Dick Perry Avenue, Kensington WA 6151, Australia; Res. 114 Aurelian Street, Palmyra WA 6157, Australia; Tel. (+61) 450565546(M); Email: ravi.subrahmanyan@csiro.au; subrahmanyan.ravi@gmail.com; Sp. Astronomy/ Observational Cosmology/Signal Processing.

2013 SUBRAMANIAM, Annapurni (b. 1968) PhD, FASc, Director, Indian Institute of Astrophysics (IIA), Koramangala, Bangalore - 560034; Res. E-202, Raheja Residency, 7th Cross, 8-C Main, Koramangala III Block, Bangalore - 560034; Tel. (080) 22541319(O), 25532088(R), 09845171233(M); Fax: 25534043; Email: purni@iiap.res.in; Sp. Astronomy & Astrophysics/Star Clusters/Stellar Population/UV Astronomy/ASTROSAT.

SUBRMANIAN, Kandaswamy (b. 1957) PhD, FNA, FASc, Emeritus Professor, IUCAA, Post Bag 4, Ganeshkhind, Pune - 411007; Res. 10, Akashganga, IUCAA Hsg. Colony, IUCAA Posg Bag 4, Ganeshkhind, Pune - 411007; Tel. (020) 25604114(O), 25604410(R), 08007324440(M); Fax : 25604699; Email : kandu@iucaa.in; Sp. Theoretical Astrophysics.

2013 SUBRAMANIAN, Venkatesan (b. 1962) PhD, FASc, Senior Principal Scientist, Chemical Laboratory, Central Leather Research Institute, Adyar, Chennai - 600020; Res. 4/9, Jaya Street, Kadaperi, Tambaram, Chennai - 600045; Tel. (044) 24437150, 24411630(O), 22383031(R), 09840264151(M); Fax: 24911589; Email: subuchem@hotmail.com; subbu@clri.res.in; Sp. Theoretical Chemistry/Computational Chemistry/Computational Biology.

2016 SUBRAMANYAM, Rajagopal (b. 1970) PhD, FNA, Professor, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Gachibowli, Hyderabad - 500046; Res. H.No. 2-133/24, Sree Homes, Near Mallanna Temple, Vattinagulapally, Hyderabad - 500075; Tel. (040) 23134572(O), 09866046509(M); Fax: 23010120; Email: srgsl@uohyd.ac.in; rajagopal98@gmail.com; Sp. Plant Biochemistry/Chloroplast Bioenergetics/Structural Biology.

SUBRAMONIAM, Thanumalayaperumal (b. 1941) PhD, DSc, FNA, FNAAS, Sr. Scientist, Centre for Climate Change Studies, Sathyabama University, Jeppiaar Nagar, Rajiv Gandhi, Salai, Chennai - 600019; Res. 3/552, 3rd Cross Street, L.P. Nagar, Kottiwakkam, Chennai - 600041;Tel. (044) 24503150-3155(O), 24510560(R); Fax: 24502344; Email: tsbl71@hotmail.com; Sp. Crustacean Reproductive Biology/ Cryobiology.

- SUDARSHAN, Sundararajarao (b. 1965) PhD, FNAE, Subarao M. Nilekani Chair Professor, Computer Science & Engineering Department, Indian Institute of Technology Bombay, Powai, Mumbai 400076; Res. B-157, Ananta Bldg, Hillside, IIT Bombay, Powai, Mumbai 400076; Tel. (022) 25767714(O), 25768714(R), 09819704745(M); Fax : 25720290; Email : sudarsha@cse.iitb.ac.in; Sp. Computer Science & Engineering/Database Systems.
- 2013 SUJATHA, Mulpuri (b. 1961) PhD,FAPAS, Principal Scientist & Director (A), ICAR-Indian Institute of Oilseeds Research, Rajendranagar, Hyderabad 500030; Res. Flat No. 401, Park View Garden Apartments, Masab Tank (Near NMDC), Hyderabad 500028; Tel. (040) 24598110(O), 09440880335 (M); Fax : 24017969; Email: mulpurisujata@yahoo.com; sujatador@gmail.com; Sp. Plant Genetics & Biotechnology.
- SUJATHA, Ramdorai (b. 1962) PhD, FNA, FASc, Professor, Mathematics Department, University of British Columbia, 1984, Mathematics Road, Vancouver V6T122; Res. 550/12, Dodsworth Enclave, Bore Well Road, 5<sup>th</sup> Cross White Field, Bangalore 560066; Tel. (080) 28450186(R), 09920018274 (M); Email: sujatha@math.ubc.ca; Sp. Algebra/Algebraic Number Theory.
- SUKHATME, Suhas Pandurang (b. 1938) S.M.(MIT), Sc.D.(MIT), FNAE, FNA, FASc, Formerly Chairman, Atomic Energy Regulatory Board, Mumbai; Formerly Director, Indian Institute of Technology, Mumbai; Res. 2-A/8-C, Anjaneya Co-op: Housing Society, Orchard Avenue, Opp. Hiranandani Foundation School, Powai, Mumbai 400076; Tel. (022) 25701052(R), 09869616911(M); Email: 2570105s@gmail.com; spsiitb@yahoo.co.uk; Sp. Heat Transfer/Energy.
- 2017 SUKUMAR, Raman (b. 1955) PhD,DSc(hc),FASc,FNA,FTWAS, Honorary Professor, Centre for Ecological Sciences, Indian Institute of Science, Bengaluru 560012; Res. Apt. FF-101, RP Orchards, No.4, 2nd Cross St., KEB Layout, Sanjaynagar, Bengaluru 560094; Tel. (080) 23600382, 22933102(O), 09448275600(M); Email: rsuku@iisc.ac.in; Sp. Tropical Forest Ecology/Wildlife Ecology/Climate Change.
- SUNDAR, C.S. (b. 1952) PhD, FNA, FASc, Director, Materials Science Division, Indira Gandhi Centre for Atomic Research, Kalpakkam- 603102; Res. 1, 2nd Street, DAE Township, Kalpakkam- 603102; Tel. (044) 27480069(O), 27481192(R); Fax: 2748008; Email: css@igcar.gov.in; Sp. Condensed Matter Physics/ Positron Annihilation Spectroscopy and Infrared Spectroscopy.

SUNDAR, Durai (b. 1973) PhD, Institute Chair Professor, Dept. of Biochemical Engineering & Biotechnology, Indian Institute of Technology Delhi, Hauz khas, New Delhi - 110016; Res. 18, Taxila Apartments, IIT Delhi Campus, Hauz Khas, New Delhi -110016; Tel. (011) 26591066(O), 26591901(R), Fax : 26582659; Email: sundar@dbeb.iitd.ac.in; Sp. Bioinformatics/ Computational Biology.

Computational Biology.

2004 SUNDAR, Shyam (b. 1953) MD, FRCP, (London) FAMS, FASc, FNA, FTWAS, Professor, Department of Medicine, Institute of Medical Sciences, Banaras Hindu University, Varanasi - 221005; Res. 6, S.K. Gupta Nagar, Lanka, Varanasi - 221005; Tel. (0542) 2367795(R); Fax: 2367568; Email: drshyamsundar @hotmail.com, doctorshyamsundar@gmail.com; Sp. Infectious Diseases/Medicine/Visceral Leishmaniasis.

2021 SUNDARA, Ramaprabhu (b. 1955) PhD, Emeritus Professor, Department of Physics, Indian Institute of Technology Madras, Chennai - 600036; Res. A7 49 Saraswathi Apartment, 3rd Main Road, Gandhi Nagar, Adyar, Chennai - 600036; Tel. (044) 22574862(O), 09444602362(M); Email: ramp@iitm.ac.in; Sp. Nanomaterials/Secondary Batteries/Hydrogen Energy.

2020 SUNDARAM, Raman Meenakshi (b. 1972) PhD, FNAAS, FISGPB, FIUSSTF, Director, ICAR-Indian Institute of Rice Research, Rajendranagar, Hyderabad - 500030; Res. G410, Aparna Cyber Zon, Nallagandla, Sheri Lingampally, Hyderabad - 500019; Tel. (040) 24591226(O), 40179798(R), 09440488043, 07286835684 (M); Fax : 24591217; Email : rms\_28@rediffmail.com; r.sundaram@icar.gov.in; Sp. Rice Biotechnology/Molecular Breeding/Genomics.

SUNDARARĀJAN, Govindan (b.1953) PhD,FNA,FASc, FNAE, FASM, FACerS, Distinguished Emeritus Scientist, ARCI, Hyderabad; Department of Metallurgical & Materials Engineering, IIT Madras, Chennai - 600036; Res.7<sup>th</sup> Floor, ARCI, IITM Research Park, Taramani, Kanagam Road, Chennai - 600113; Email: gsundararajan@iitm.ac.in, gsundar@arci.res.in; Sp. Surface Engineering/High Temperature Deformation and Fracture/Impact Dynamics and Ballistic Penetration.

SUNDARESAN, Velusamy (b. 1974) PhD, Principal Scientist, CSIR-Central Institute of Medicinal & Aromatic Plants Research Center, GKVK Post, Allalasandra, Bangalore - 560065; Res. No.210, White Rose, MSV Vivek Marvel Apartment, Surabhi Layout, Yelahanka, Bangalore - 560064; Tel. (080) 28460563 Ext.505(O), 07353100036(M); Fax : 28564707; Email : vsundaresan@cimap.res.in; resanvs@gmail.com; Sp. Taxonomy and Molecular Phylogeny of Angiosperms/ Biodiversity Characterization and Conservation Biology of RET species/DNA Barcoding of Medicinal and Aromatic Plants.

2008 SUNDARRAJAN, Asokan (b.1960) PhD, Professor, Department of Instrumentation, Indian Institute of Science, Bangalore - 560012; Res. 21, III Main, II Cross, MSH Layout, II Stage, Anand Nagar, Bangalore - 560024; Tel. (080) 22933195(O), 23334746(R); Fax: 23608686; Email: sundarrajan.asokan@gmail.com; sasokan@iisc.ac.in; Sp. High Pressure Instrumentation & Research/ Amorphous Semiconductors/Fiber Optic Sensors.

1997 SUNDER, Viakalathur Shankar (b.1952) PhD, FNA, FASc, Professor, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai - 600113; Res. E1, Block III, Shivani Apts., 40 East Coast Road, Thiruvanmiyur, Chennai - 600041; Tel. (044) 22543210(O), 24516082(R), 09444950534 (M); Fax: 22541586; Email: sunder@imsc.res.in; Website: www.imsc.res.in/~sunder; Sp. Operator Algebras/Functional Analysis.

2021 SUNOJ, Řaghavan B. (b. 1974) PhD, FASc, Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai - 400076; Res. B 237, IIT Campus, Powai, Mumbai - 400076; Tel. (022) 25767173(O), 25768173(R); Email : sunoj@chem.iitb.ac.in; Sp. Chemical Science/Organic Chemistry/Theoretical Chemistry/Machine Learning.

2009 SUR, Deepika (b. 1954) MBBS, MD, FIPHA, Deputy Director, National Institute of Cholera and Enteric Diseases, P-33, CIT Road, Scheme- XM, Beleghata, Kolkata - 700010; Res. 14P, Middle Road, Entally, Kolkata - 700014; Tel. (033) 23631222(O), 22260065(R); Fax : 23639109; Email : dipikasur@hotmail.com; dipikasur@rediffmail.com; Sp. Clinical Medical Sciences/Epidemiology/Clinical Trials.

2001 SUR, Mriganka PhD, FRS(Vanderbilt), Newton Professor of Neuroscience, Director, Simons Centre for the Social Brain, Department of Brain & Cognitive Sciences, Massachusetts Institute of Technology, 43 Vassar Street, 46-6237, Cambridge, MA 02139; Email: msur@mit.edu;

SURESH, Kattera Appanna (b.1948) PhD, FNA, Raman Research Institute, Sadashivanagar, Bengaluru – 560080; Formerly Director, Centre for Nano and Soft Matter Sciences; Res. No. 92, 4 Main Road, Amarajyothi Layout, Cholanagar, RT Nagar Post, Bengaluru - 560032; Tel. 09972426358(M); Email: suresh@rri.res.in; skattera@yahoo.com, Sp. Liquid Crystals/Surface Science.

2011 SURESH, Venapally (b. 1966) PhD, FNA, FASc, Professor, Department of Mathematics & Computer Science, Emory University, 400, Dowman Drive, Atlanta, GA 30024, USA; Email: suresh@mathcs.emory.edu; suresh.venapally@gmail.com; Sp. Algebra/Number Theory/ Arithematic Geometry.

SURI, Anil (b. 1957) PhD, Staff Scientist VII, Cancer Microarray, Genes and Proteins Lab., National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Res. A-2, NII Campus, A.A.A. Marg, New Delhi - 110067; Tel. (011) 26703700(O), 26703720(R); Fax. 26742125; Email: aksuri@nii.ac.in; Sp. Cancer Biology/Cell Signaling/Gene Silecing.

SURI, Ashish (b. 1970) MBBS, MCh, FAMS, Professor, Room No. 712, 7th Floor, Faculty Wing, Department of Neurosurgery, Neurosciences Centre, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 110029; Res. S-205, Ground Floor, Greater Kailash Part-II,GK-II, New Delhi - 110048; Tel. (011) 26593538(O), 29226841(R), 09811479034(M); Email: surineuro@gmail.com; Sp. Neurosurgery with special reference to: Skull Base Surgery & Neurovascular Neurosurgery/Minimally Invasive Neurosurgery: Neuroendoscopy/Neuro-Oncology/Epilepsy Surgery.

SUROLIA, Avadhesha (b. 1947) PhD, FNA, FASc, FTWAS, Formerly Director, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Honorary Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore; Tel. (080) 22932714, 23602763; Fax: 23600535; Email : surolia@ mbu.iisc.ernet.in; Sp. Protein Folding & Design/Cell Surface Carbohydrate/Molecular Biology of Malaria Parasite and Antimalarial Drug.

Council: V.P. 2009-10

2002 SUROLIA, Namita (b. 1953) PhD, FASc, Faculty Fellow-Professor, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore - 560064; Tel. (080) 22082820(O), 22082821(Lab); Email: surolia@jncasr. ac.in; Sp. Molecular Parasitology/ Biochemistry/Molecular Biology.

2014 SURY, Balasubramanian (b.1960) PhD, Professor,Indian Statistical Institute, Bangalore - 560059; Res. 211, Everest Apts., 8th Main, Malleswaram, Bangalore - 560003; Tel. (080) 26985445(O), 23313917(R), 09845195728(M); Fax : 28484265; Email : surybang@gmail.com; Sp. Algebraic Groups/Number Theory.

SURYAPRAKAŠH, Nagarajarao (b. 1956) PhD, CSIR Emeritus Scientists, Solid State and Structural Chemistry Unit, Former Professor & Chairman, NMR Research Centre (erstwhile), Indian Institute of Science, Bangalore - 560012; Res. No. 500, Deepthanshu, First Floor, 5<sup>th</sup> Main Road, Tatanagar, Bangalore-560092; Tel. (080) 22933300(O), 23412709(R); Email: nsp@iisc.ac.in; suryaprakash1703@gmail.com; Sp. NMR Spectroscopy/Liquid Crystals.

1999 SUSARLA, Krishna Shankar (b. 1947) MD, FAMS, FICPath, Emeritus Professor, Department of Neuropathology & Principal Co-ordinator, Human Brain Tissue Repository, Established CJD Registry at National Institute of Mental Health & Neuro Sciences, Bangalore - 560029; Res. Sri Balaji Orchid, #475, Flat No. 201, Wilson Garden 12th Cross, Bangalore - 560027; Bangalore 560029; Tel. (080)22218816 09341223566(M); Email: shankarsk2004@gmail.com; Sp. Neuropathology/Neurosciences/Medical Sciences.

2017 SUWAS, Satyam (b. 1969) PhD, Professor, Department of Materials Engineering, Indian Institute of Sciences, Bangalore - 560012; Res. EV 202, Vijnanapura Campus (IISc), New BEL Road, Bangalore - 560094; Tel. (080) 22933245(O), 23511242(R), 098800233480(M); Fax: 23600472; Email: satyamsuwas@iisc.ac.in; Sp. Crystallographic Texture/ Processing of Metallic Materials/ Mechanical Behaviour of Materials.

2012 **SWAMINATHAN, Soumya** (b. 1959) MD,FIAP,FNA,FASc,FAMS, Fellow, National Academy of Medical Sciences USA, Fellow, Academy of Medical Sciences, UK, Former Chief Scientist, World Health Organisation (WHO), Former Director General, Indian Council of Medical Research; Res. B8, 15, 3<sup>rd</sup> Seaward Road, Valmiki Nagar, Chennai - 600041; Tel. 09444057478(M); Email: doctorsoumya@yahoo.com; doctorsoumya@mssrf. res.in; Sp. **Basic and Clinical Medical Sciences/Infectious Diseases.** 

Council: Mem. 2015-16

2007 SWAMY, Musti Joginadha (b. 1959) PhD,FASc, Senior Professor, School of Chemistry, University of Hyderabad, Hyderabad - 500046; Res. 157, Doyens Township, Serilingampally, Hyderabad-500019; Tel. (040) 23134807(O), 09866007530(M); Email: mjswamy@uohyd.ac.in; mjswamy1@gmail.com; Sp. Protein Chemistry and Protein-Ligand Interactions/Lipid Phase Behaviour and Lipid-Protein Interactions/Biomembrane Structure and Function.

- 2012 SWARNAKAR, Snehasikta (b. 1963) PhD, Senior Scientist, DDDB Division, Indian Institute of Chemical Biology, Kolkata 700032; Res. Sirsa, Flat 8, Block III, 59 Lake Road, Kolkata 700029; Tel. (033) 24995759/824(O), 24657489(R); Fax: 24735197; Email: snehasiktas@hotmail.com; Sp. Bio-chemistry & Protease Biology.
- SWARUP, Renu (b. 1960), PhD, Former Secretary, Department of Biotechnology, Ministry of Science & Technology, Govt. of India, New Delhi; Res. Apartment No. 11031, Tower 11, ATS Pristine, Sector 150, Noida - 201310; Tel. (0120) 4132473(R), 09810226316(M); Email: swarup.dbt@nic.in; renuswarup01@ gmail.com; Sp. Biotechnology for the Welfare of Science & Society.

Council: Mem. 2021-22

- TAHSEEN, Qudsia (b. 1964) PhD, FASc, Professor, Department of Zoology, Aligarh Muslim University, Aligarh 202002; Res. 4/153N, Shibli Bagh, Hamdard Nagar, Jamalpur, Aligarh 202002; Tel. (0571) 2700920 Ext.3440(O), 07417481607(M); Email : qtahseen@gmail.com; qtahseen@yahoo.com; Sp. Taxonomy, Ecology & Developmental Biology of Nematodes.
- TALWAR, Gursaran Parshad (b. 1926) Docteur es Sciences, DSc(hc), FNA, FASc,FAMS, FRCOG (London ad eundem), FWAAS, Member La Academia Nacional de Medicina (Mexico), Director Research, The Talwar Research Foundation, E-6-8, Neb Valley, Neb Sarai, New Delhi 110068; Res. E-6, Neb Valley, Neb Sarai, New Delhi 110068; Tel. 08800322055(M); Email : gptalwar@gmail.com; Sp. Endocrinology/Reproductive Biology and Immunology.
- TAMANG, Jyoti Prakash (b. 1961) PhD, FNA, FNAAS, FNABS, FIAMS, FBRS, Senior Professor & Head, Department of Microbiology, School of Life Sciences, Sikkim University, Science Building, Tadong 737102, Gangtok; Res. Metro Point, 5th Mile, Tadong 737102, Gangtok; Tel. 09832061073, 08016099902(M); Email: jyoti\_tamang@hotmail.com; Sp. Food Microbiology.
- 2004 TAMIZHMANI, Kilkothur Munirathinam (b. 1954) PhD, Professor, Dept. of Mathematics, Pondicherry University, Kalapet, Pondicherry-605014; Res. 49, 1st Cross, Bharathinagar, Pondicherry-605008; Tel. (0413) 265591-2655998 Ext. 394(O), 2236851(R), 09443406948(M); Fax: 2655255, 2655211; Email: kmtmani54@gmail.com; Sp. Integrable Systems.

TANDON, Nikhil (b. 1963) PhD(Cantab.), FRCP(London), FAMS, FASc, FNA, Professor, Department of Endocrinology & Metabolism, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi - 110029; Res. 413, Hawa Singh Block, Asian Games Village, New Delhi - 110049; Tel. (011) 26593433, 26588143(O), 26499100, 26498560(R); Fax: 26588663; Email: nikhil\_tandon@hotmail.com; Sp. Endocrinology (Diabetes; Thyroid disease; Metabolic Bone Disease).

Council: V.P. 2011-12, Mem. 2022-23

- TANDON, Prahlad Narain (b. 1934) PhD, FIThP, Formerly Professor & Head Mathematic Dept., Harcourt Butler Technological Institute, Kanpur and Visiting Professor, Mathematics Department, Universiti Brunei Darussalam; Res. 191-193, Karmchari Nagar, Bareilly; Tel.: (0581) 2412208, 3090803; Email: gopal1960@yahoo.co.uk; Sp. Non-Newtonial Fluid Mechanics with applications to Physiological Fluid Dynamics/Synovial Joint Mechanics/Mathematical Modelling of Human and Biological systems and Disposal of Liquid Effluents.
- TANDON, Prakash Narain (b. 1928) MS,FRCS(England), DSc(hc), FAMS,FNA,FASc,FTWAS,FRSM, Mem.Norwegian Acad.Sc., Formerly Megh Nad Saha Distinguished Fellow of the NASI, Prayagraj; President, National Brain Research Centre, Near NSG Campus, Nainwal Mode, Manesar 122050 (Haryana); Professor Emeritus, Dept of Neurosurgery, AllMS, New Delhi 110029; Res. No. 1, Jagriti Enclave, Vikas Marg Ext., Delhi 110092; Tel. (0124) 2338929(O), (011) 22163272, 22150578(R); Fax: (0124) 2338928; Email: tandon@nbrc.ac.in; Website: nbrcindia. org; Sp. Neurosurgery/Neurosciences.

Council: Pres. 97-98 P. Pres. 99-2000 V.P. 89-90 Mem. 84-88, 91-96, 2001-2002 Spl. Inv. 2003-11

- TANDON, Pramod (b. 1950) PhD, FBS, FLS, FISEB, NASI Honorary Scientist; Formerly Vice-Chancellor & Professor of Botany, NEHU, Shillong; Project Director, IIM, Shillong; Chief Executive Officer, Biotech Park, Lucknow; Res. D-802, Shalimar Gallant, Vigyanpuri, Mahanagar, Lucknow 226006; Tel. (0522) 3132853(R), 09402135333(M); Email: profptandon @gmail.com; Sp. Plant Biotechnology.
  - Council: V.P. 2017-18 G.S. 2001-05 F.S. 2009-10 Mem. 99-2000, 2006, 2013-14, 2024-
- TANDON, Radhika (b. 1963) MD, DNB, FRCOphth, FRCSEd, FNAMS, Professor of Ophthalmology, Room 490, 4th Floor, Dr Rajendra Prasad Centre for Ophthalmic Sciences, AllMS, New Delhi 110029; Res. 413, Hawa Singh Block, Asian Games Village Complex, New Delhi 110049; Tel. (011) 26593145(O), 26498560(R), 09958834745(M); Fax : 26588919; Email : radhika\_tan@yahoo.com; radhikatandon@aiims.edu; Sp. Ophthalmology/Cornea and Eye Banking/Cataract and Refractive Surgery.

TANDON, Sampat Kumar (b. 1945) PhD, FNA, FASc, FTWAS, Adjunct Professor, Indian Institute of Science Education and Research, Bhopal, Bhopal Bypass Road, Bhauri, Bhopal – 462066; Formerly Professor of Geology and Pro-Vice Chancellor, University of Delhi, Delhi; Res. A566C, Sushant Lok, Phase 1, Gurgaon - 122002; Tel. (0124) 4227715, 09810437365(M); Email: sktand@rediffmail.com; sktand@iiserb.ac.in; Sp. Sedimentology/Quanternary Geology/Palaeoclimate.

Council: Mem. 2017-18

TANDON, Veena (b. 1949) PhD, FZSI, FHSI, FLS, NASI Honorary Scientist, Editor-in-Chief, Journal of Parasitic Diseases (Springer); Formerly Professor of Zoology, NEHU, Shillong; NASI Senior Scientist, Res. D-802, Shalimar Gallant, Vigyanpuri, Mahanagar, Lucknow-226006; Tel. (0522) 3132853 (R), 09436101747(M); Email: tandonveena@gmail.com; Sp. Parasitology/Helminthology.

Council: F.S. 2007-08 Mem. 2005-06 G.S. 2014-17

TANDON, Vibha (b. 1968) PhD, FRSC, Director, CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Jadavpur, Kolkata - 700032; Res. G-48A 2nd Floor, Gurgaon, Haryana; Tel. (033) 24131157, 24735368(O), (0124) 4114335(R), 09313583818(M); Email: vtandon@iicb.res.in; vtandon@mail.jnu.ac.in; Sp. Chemical Biology/Radiation Biology/Cell Signalling/Drug Development.

TEWARI, Hrishi Bhu (b.1930) DPhil, PhD(Emory,USA), DSc, FZS(Lond.), FRMS, FZSI, FNA, Formerly Senior Professor of Zoology & Head of the Department & Dean, Faculty of Science, Sukhadia University, Udaipur; Res. HIG, House No. 4/477, Housing Board Colony, Goverdhan Villas, Udaipur-313001; Tel. (0294) 2640872, 3201423(R), 09351412109(M); Email: hrishibhu@hotmail.com; Sp. Cell Biology/Histochemistry/Neurochemistry.

TEWARI, Swarup Narain (b. 1929) LLM, DPhil, DSc, FRIC, FCS(Lond.), FIC,FIndAForSc, Advocate, Consulting Forensic Scientist; Formerly Director, Forensic Science Laboratories, U.P. and Chemical Examiner and Serologist to Govt. of U.P; Res. 4/51, Lajpat Kunj, Civil Lines, Agra - 282002; Tel. (0562) 2854180, 2856758(O), 2521487(R), 9837653484(M); Sp. Forensic Science, Medicolegal Toxicology Narcotic Drug, Firearms, Documents & Physical Chemistry.

Firearms, Documents & Physical Chemistry.

TEWARI, Udai Bhan (b. 1944) PhD, Professor, Department of Mathematics & Statistics, Indian Institute of Technology, Kanpur- 208016; Res. Prabhu Sharan Apartments, Flat No. 203, 3A/227 Azad Nagar, Kanpur - 208002; Tel. (0512) 2597500, 7636, 7015(O), 2562049, (R); Fax: 2597500, 2590260; Email: ubtewari@iitk.ac.in; Sp. Harmonic Analysis/Functional Analysis.

THAKARE, Nimba Krishna (b. 1938) PhD, FMASc, General Secretary, Indian Mathematical Society; The First Vice Chancellor, North Maharashtra University, Jalgaon; Res. 13, Jawahar Nagar, Behind Nirankari Bhavan, Sakri Road, Dhule – 424001; Email: nkthakare@gmail.com Sp. Mathematics (Classical and Functional Analysis, Algebra, Discrete Mathematics).

THAKUR, Indu Shekhar (b. 1956) PhD, FIBA, FBRS, FNESA, FNAAS, Professor & Former Dean, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. House No. 506, Block A, Paschimabad Multi Storey Building, Jawaharlal Nehru University, New Delhi - 110067; Tel. (011) 26704321, 26704302(O), 09868558865(M); Fax : 26741502; Email : isthakur@hotmail.com; isthakur@mail.jnu.ac. in; Sp. Environmental Microbiology & Biotechnology/Microbial Ecology.

THAKUR, Jitendra Kumar (b. 1974) PhD, Group Leader, Plant Transcription Regulation Group, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi - 110067; Res. Apt No. 40, Block II, Vikramshila Apartments, Indian Institute of Technology, New Delhi - 110016; Tel. (011) 26741358(O), 09958374865(M); Fax: 26741658; Email: jthakur@icgeb.res.in, jitu707@gmail.com, jthakur@nipgr. ac.in; Sp. Molecular Biology.

THAKUR, Mahendra Kumar (b. 1953) PhD,FAMS,FIAN NASI Senior Scientist, Former Professor & Head, Dept. of Zoology, Banaras Hindu University, Varanasi; Res. 47, Manas Nagar Colony, Durgakund, Varanasi -221005; Tel.(0542) 2307149(O), 2313958(R), 09450547155(M); Fax : 2368174; Email: mktian2007@gmail.com; mkt\_bhu@yahoo.com; Sp. Neurobiology of Aging.

THAMPAN, T.N. Raghava Varman (b. 1946) PhD, Scientist G, Rajiv Gandhi Centre for Biotechnology, Trivandrum - 695014; Res. 'Bansuri', PRA-225-A, Poojapura, Trivandraum - 695012; Tel. (0471) 2344564(O), 2345776, 2349309(R); Fax: 2348096; Email: raghavavarman@yahoo.com; Sp. Molecular Endocrinology (Molecular Mechanisms in Estrogen Action).

THANGADURAI, Ravindranathan (b. 1969) DPhil, Professor H, Harish Chandra Research Institute, Chhatnag Road, Jhunsi, Prayagraj - 211019; Res. Shravasti, Harish Chandra Research Institute, Chhatnag Road, Jhunsi, Prayagraj - 211019; Tel. (0532) 2274313(O), 2274038(R), 06394383636(M); Email: thanga@hri.res.in; Sp. Combinatorial Number Theory/Transcendental Number Theory.

2018 THANGARAJ, Kumarasamy (b. 1963), PhD, FNA, FASc, JC Bose Fellow, CSIR-Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad - 500007; Res. 102, Surya Residency, Road No. 3, Snehapuri Colony, Nacharam, Hyderabad - 500076; Tel. (040) 27160222-31; 27192634(O), 09908213822(M); Fax : 27160591, 27160311; Email : thangs@ccmb.res.in; Sp. Population Genetics/Medical Genomics/Forensic Genetics.

THELMA, B.K., (b. 1955) PhD, FNA, FASc, Professor, Department of Genetics, University of Delhi South Campus, Benito Juarez Road, New Delhi - 110021; Res. Type VA, Teacher's Flats, University of Delhi, South Campus, New Delhi - 110021; Tel. (011) 24118201(Lab), 24117399(O), 24113548(R); Fax : 24112761, 26885270; Email : thelmabk@gmail.com; Sp. Human Genetics/Pharmacogenetics/Medical Genomics.

THIAGARAJAN, P.S. (b. 1948) MS, PhD, FASc, Visiting Professor of Systems Biology, Laboratory of Systems Pharmacology, Harvard Medical School, 200 Longwood Ave, Boston, MA 02115; Res. Chapel Hill, NC 27514, USA; Tel. 650/305-9290(O); Fax: 617/432-6716; Email: psthiagu@gmail.com; Sp. Computational Systems Biology, Distributed Computing.

- THRIVIKRAMAN, T. (b. 1943) M.Phil.,PhD, Formerly Professor, Mathematics Department, Cochin University of Science & Technology; Formerly Emeritus Professor, Department of Mathematical Sciences, Kannur University; Res. Thekkedathu Mana, Perole Palakkattu Link Road, Nileshwar 671314; Kasaragode Dist., Kerala; Email: thekkedathumana@gmail. com; Sp. Topology/Fuzzy Mathematics/History of Mathematics.
- THYAGARAJAN, Sadras Panchatcharam (b.1944) PhD, MD, DSc, FAMS, FIMSA, FABMS, FFTM (Glasgow), Distinguished Professor & Advisor to Chancellor, Vellore Institute of Technology, Chennai 600127; Res. No. 5, First Street, Nehru Nagar, Adyar, Chennai 600020; Tel. (044) 39931015(O), 4423456(R); Email: profspt@gmail.com Sp. Microbiology/ Virology/Biotechnology.
- TILAK, Kolluru V.B.R. (b. 1941) PhD, FNAAS, FNABS, FAPASc, FBS, FAMI, Formerly NASI Senior Scientist; Formerly Head, Div. of Microbiology, IARI, New Delhi and Emeritus Scientist (CSIR), Department of Botany, Osmania University, Hyderabad-500007; Res. D-111-112, May Flower Park, Mallapur, Nacharam, Hyderabad 500076; Tel. (040) 27173715(R), 09885023138(M); Email: tilakkvbr@gmail.com, tilakkvbr@yahoo.com; Sp. Microbiology (Soil/Agril. Microbiology).
- TIWARI, K.P. (b. 1942) D.Phil., FBRS, Formerly Professor & Head, Deptt. of Chemistry, Allahabad University, Prayagraj-211002; Res. 17/7A Kasturba Gandhi Marg, Prayagraj 211002; Tel. (0532) 2548520(R), 09415238446(M); Email: profkpt@yahoo. com; Sp. Natural Product Chemistry/Microbial Synthesis/Prostaglandin Biosynthesis and Assay/ Synthesis of Heterocyclics.
- TIWARI, Kamlesh Narayan (b. 1955) PhD, FNAAS, FISAE, Former Professor (HAG), Agricultural and Food Engineerng Department, Indian Institute of Technology Kharagpur, Kharagpur; Res. F-204, KDA Signature Greens, Indra Road, Vikas Nagar, Kanpur 208002, Tel. 09434944443(M); Email: kamlesh@agfe.iitkgp.ac.in; kn.tiwari0155@gmail.com; Sp. Agricultural Engineering/Soil and Water Engineering/Water Resource Engineering.
- 2019 TIWARI, Manoj Kumar (b. 1962) PhD,FNAE,FIISE,FIIE,FIETI, Director,National Institute of Industrial Engineering(NITIE), Vihar Lake Road, NITIE Admin Block, Powai, Mumbai 400087; Res. A-178, Department of Industrial & System Engg, IIT Kharagpur, Kharagpur; Tel. 09734444693(M); Email: mkt09@hotmail.com; mktiwari9@iem.iitkgp.ac.in; Sp. Logistics and Supply Chain Management/Manufacturing Planning and Scheduling/Optimization and Simulation.

2010 TIWARI, Virendra Mani (b. 1968) PhD, FNA, FASc, FTAS, Outstanding Scientist & JC Bose National Fellow, CSIR-National Geophysical Research Institute, Uppal Hyderabad - 500007; Tel. (040) 27012646(O), 27012585(R), 09440328269(M); Email: vmtiwari@ngri.res.in; virendra.m. tiwari@gmail.com; Sp.Geophysics/Hydrology/Geodynamics.

**TOLE, Shubha** (b. 1967) PhD, FASc, FNA, Senior Professor, Department of Biological Sciences, Tata Institute of 2010 Fundamental Research, Homi Bhabha Road, Colaba, Mumbai -400005; Res. 601, Meghnad, TIFR Complex, Homi Bhabha Road, Mumbai - 400005; Tel. (022) 22782878(O), 22804710(R); Fax: 22804610; Email: shubhatole@gmail.com; Sp. Neuroscience/ Developmental Biology.

Council: Mem. 2013-14

2017 TOMAR, Sushil Kumar (b. 1966) PhD, Vice Chancellor, JC Bose University of Science and Technology, YMCA, Faridabad (Haryana), NH-2, Sector-6, Faridabad-121006. Res. # T-1/6, Sector 25, Residential Complex, Panjab University, South Campus, Chandigarh – 160014; Tel. (0129) 2310102(O), 09463223629, 09560001291(M); Email: sktomar@pu.ac.in; sktomar66@gmail.com; vc@jcboseust.ac.in; Sp. Elastic Waves in Continuous Media/Convections in Fluids/ **Numerical Methods.** 

1982 TREHAN, Parma Nand (b. 1927) PhD, Professor & Emeritus Scientist (CSIR), Physics Department, Panjab University, Chandigarh-160 014; Res. 460, Sector 4, Panchkula (Haryana);

Sp. Nuclear Physics/XRF Technique.

2022 TRIGUN, Surendra Kumar (b. 1957) PhD, FIAN, Former Senior Professor & Head, Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi - 221005; Res. B2, 304, Tridev Complex, Sunderpur, Varanasi - 221005; Tel. 09415811962, 07991919128(M); Email : sktrigun@gmail.com; sktrigun@bhu. ac.in; Sp. Neurobiology/Cancer Biology/ Biochemistry.

2012 TRIPATHI, Anil Kumar (b. 1959) PhD, FNA, FASc, FNAAS, Professor of Biochemistry & Director, Institute of Science, Banaras Hindu University, Varanasi - 221005; Tel. (0542) 2307300, 2307301(O), 09451525811(M); Email: tripathianil@ rediffmail.com: directoris@bhu.ac.in: Molecular Sp. Microbiology/Bacterial Genetics/Gene Regulation.

Council : Mem. 2018-19

2019 TRIPATHI, Manjari (b. 1968) MBBS, MD, Professor, Room No. 705, 7th Floor, Neurosciences Centre, All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 110029; Res. House No.1, Raheja Atlantis, Sect 31/32, Gurugram - 122001, Haryana; Tel. (0124) 4009408(R), 26594494(O), 09868398269. 09821908962(M) Fax: (011) 26588248; Email: mantriaiims@ gmail.com; Sp. Epilepsy/Sleep Disorders/Dementia.

2007 TRIPATHI, Pradeep Kumar (b. 1957) PhD, FNA, CSIR Emeritus Scientist, Former Chief Scientist & Head, Organic Chemistry Division, National Chemical Laboratory, Pune - 411008; Res. Mont Vert-1, B-17, Pashan Sus Road, Pune - 411021; Tel.(020) 25902050(O), 09421078425(M); Fax: 25902629; Email pk.tripathi@ncl.res.in; Sp. Synthetic Methodologies/ Asymmetric Synthesis/Total Synthesis of Biologically Important Natural Products.

2016 TRIPATHI, Renu (b. 1962) PhD, FISEB, Chief Scientist, Division of Molecular Parasitology & Immunology, CSIR-Central Drug Researh Institute, Lucknow- 226031; Res. 1/118 Vishesh Khand, Gomti Nagar, Lucknow - 226010; Tel. (0522) 2771940, 2771960(O), 4233762(R), 09415349883(M); Fax: 2771941; Email: renu1113@rediffmail.com; renu\_tripathi@cdri.res.in; Sp.

Malaria Chemotherapy/Drug Resistance.

2011

TRIPATHI, Rudra Deo (b. 1953) PhD, FISEB, NASI Senior Scientist, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow - 226001; Res. 1/118, Vishesh Khand, Gomtinagar, Lucknow - 226010; Tel. (0522) 2297825(O), 4233762(R), 07376679779, 07905400315 (M); Fax: 2205836, 2205839; Email: tripathird@gmail.com; tripathi rd@rediffmail. com; Sp. Plant Stress Physiology/Environmental Biotechnology/Bioremediation of Heavy Metals and Metalloids/ Management of Arsenic Contamination in Crops/Rice.

2015 TRIPATHI, Sachchida Nand (b. 1971) PhD, FNAE, Professor, Department of Civil Engineering, Room No.314, Faculty Building, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. House No.450, Type IV, Indian Institute of Technology Kanpur, Kanpur - 208016; Tel. (0512) 2597845(O), 2598806(R), 09415050540(M); Fax : 2597395; Email snt@iitk.ac.in; sachchida.tripathi@gmail.com; Environmental Science and Engineering/Atmospheric

2000 TRIPATHY, Baishnab Charan (b. 1952) PhD, FNA, FNAAS, JC Bose National Fellow, School of Life Sciences, Jawaharlal Nehru University, New Delhi - 110067; Res. Yamuna Apartment One (Y-1), House No. 302, D6, Vasant Kunj, New Delhi-110070; Tel. (011) 26704524(O), 26742484(R), 26704524(O), (011)07894400787(M); Email: bctripathy@mail.jnu.ac.in; baishnab tripathy@yahoo.com; Sp.**Photo Biology/Biotechnology.** 

TRIPATHY, Sriram Prasad (b. 1934) MD, FAMS, Formerly Director 1992 General, Indian Council of Medical Research; Res. No.2, Radhika Empire, Jagtab Nagar, Wanawadi, Pune – 411040; Sp.

Tuberculosis/AIDS.

TRIPATHY, Subhasish (b. 1961) PhD, Professor, Department of 2013 Geology & Geophysics, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. 31-A, Kharvel Nagar, Bhubaneswar – 751001; Tel. (03222) 283384(O), 09438811500 (M); Email: stripathy@iitkgp.ac.in; Sp. Earth Sciences (Geo-Sciences).

2014 TRIVEDI, Prabodh Kumar (b. 1969) PhD, FNA, FASc, FNAAS, Director, CSIR-Central Institute of Medicinal and Aromatic Plants, PO CIMAP, Lucknow - 226015; Res. 14-02-C, Metrocity Apartments, Papermill Colony, Nishat Ganj, Lucknow - 226007; Tel. (0522) 4302049(R), 09450450521(M); Email: prabodht@ hotmail.com; prabodh@nbri.res.in; Sp. Plant Molecular **Engineering/Environmental** Biology/Pathway technology.

Council: Mem. 2021-22

2018 TRIVEDI, Ritu (b. 1971), PhD, Senior Scientist, Endocrinology Division, Sector 10, Jankipuram, Sitapur Road, Lucknow -226031; Res. Metro City, 14/2C Paper Mill Colony, Nishatganj, Lucknow - 226001; Tel. (0522) 2772450 Ext.4397(O), 2771941(R), 09415769219(M); Email : ritu\_trivedi@cdri.res.in; Sp. Endocrinology.

1997 TULI, Rakesh (b.1953) PhD, FNA, FNAAS, FASc, JC Bose National Fellow & Senior Research Advisor, University Institute of Engineering & Technology, Sector 25, Panjab University, Chandigarh - 160014; Tel. (0172) \_2544107(O), 2570765(R), 09915035511(M); Fax: 2547986; Email: rakeshtuli@hotmail.com; rtuli@pu.ac.in; Sp. Plant Biochemistry/Molecular Genetics/Food Biotechnology.

Council: Mem. 2007-08

TUTEJA, Narendra (b. 1955) PhD, DSc, FNA, FASc, FNAAS, FTWAS, Former Group Leader & Senior Scientist, Plant 2003 Molecular Biology Group, ICGEB, New Delhi; Res. E69, Vasant Marg, Vasant Vihar, New Delhi-110057; Tel. 09811233350(M); Fax: (011) 2431268; Email: narendratuteja@gmail.com; Sp. Molecular Biology/Plant Biotechnology/Crops Improvement/Stress Tolerance/Mango Malformation/Plant-Microbes Interactions.

1998 TYAGI, Akhilesh Kumar (b. 1956) PhD, FNAAS, FNA, FASc, FTWAS, MN Saha Distinguished Professor, NASI & Ex Senior Professor, Department of Plant Molecular Biology, University of Delhi, South Campus, New Delhi-110021; Former Director, NIPGR; Res. A2-21 DDA Flats, Sector-E1, Vasant Kunj, New Delhi - 110070; Tel. 09871277558(M); Email: akhilesh@ genomeindia.org; Sp. Plant Molecular Biology Biotechnology

Council: Pres. 2015-16 P.Pres. 2017-18 G.S. 2006-09 Mem. 2005 TYAGI, Anil Kumar (b. 1951) PhD, FNA, FASc, Former Vice-1992 Chancellor, GGS Indraprastha University, New Delhi & Former Professor of Biochemistry, University of Delhi; Res. C-23, Second Floor, New Delhi South Extension, Part 2, New Delhi -110049; Tel. 09312266218(M); Email: akt1003@gmail.com; Sp. Molecular Biology/Tuberculosis Research.

Council: Mem. 2017-18

2004 TYAGI, Avesh Kumar (b. 1964) PhD, FRSC, FASc, FNAE, FNA, FTWAS, Distinguished Scientist, DAE and Director, Chemistry Group, Bhabha Atomic Research Centre, Mumbai - 400085; Res. C-901, Jai Gopi Krishna CHS, Deonar, Govandi Station Road, Mumbai - 400088; Tel. (022) 25595330(O), 09869443020(M); Fax: 25505151; Email : aktyagi@barc.gov.in; aktyagi.barc@gmail.com; Sp. Nuclear Nanomaterials/Functional Materials/Hybrid Materials

1999 TYAGI, Jaya Sivaswami (b. 1954) PhD, FNA, FASc, NASI Senior Scientist, Honorary Visiting Professor, THSTI Faridabad, Haryana; Former Professor & Head, Dept. of Biotechnology, AllMS, New Delhi; Former JC Bose National Fellow; Res. C-23, Second Floor, New Delhi South Extensiion Part II, New Delhi-110049; Tel. 09810409761(M); Email: jayatyagi.aiims@gmail.com; Sp. Molecular Biology/Mycobacteriology.

Council: V.P. 2019-20 2010 TYAGI, Rakesh Kumar (b. 1962) PhD, FRE, Professor, Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi - 110067; Res. House No. 113, Uttarakhand Complex, Opposite Sutluj Hostel, Jawaharlal Nehru University, New Delhi - 110067; Tel. (011) 26738741(O), 26741369(R), 09971665071(M); Fax: 26741781; Email: rktyagi@yahoo.com; rkt2300@mail.jnu.ac.in; Sp. Molecular and Cellular Endocrinology/Nuclear Receptors in Health Disease/Nuclear Receptors and Drug Metabolism.

2017 UKIL, Anindita (b. 1975) PhD, FAScT, Assistant Professor, Department of Biochemistry, University of Calcutta, 35, Ballygunge Circular Road, Kolkata - 700019; Res. Udayan, Flat A10, 25/2B/1 Jheel Road, Dhakuria, Kolkata - 700031; Tel. (033) 24615455(O), 24154235(R), 09831319915(M); Fax : 24614849; Email : u.anindita@gmail.com; Sp. Cell Biology/Immunology/Molecular Parasitology.

1986 ULLAH, Aman (b. 1946) PhD, Distinguished Professor of Economics, Economics Department, 4104, Sproul Hall, University of California, Riverside, California 92521, USA; Tel. 951-827-1591(O), 951-750-2391(M); Fax: 951-827-5685; Email: aman.ullah@ucr.edu; Website: http://profiles.ucr.edu/aman.ullah Sp. Econometrics/Statistics/Machine Learning.

2018 UMAPATHY, Siva (b. 1959), PhD, FASc, FRSC, Director, Indian Institute of Science Education & Research Bhopal, Bhopal Bypass Road, Bhauri, Bhopal - 462066; Res. B-604, Whispering Meadows, RMV 2nd Stage, Dollars Colony, Bangalore North, Bangaluru - 560094; Tel. (0755) 2692316(O), 09448088381, 7225020007(M); Fax : 2692392; Email : siva.umapathy@gmail.com; Sp. Laser Spectroscopy/Laser Instrumentation/Photochemistry & Photophysics.

1994 UNTAWALE, Arvind Gajanan (b. 1940) PhD, FBS, FMASc, Formerly Deputy Director & Advisor, National Institute of Oceanography, Goa; Res. 48 Nirmiti, Sagar Society, Dona Paula, Goa - 403 004; Tel. (0832) 2452263(R), 09423883046(M); Email: arvinduntawale@rediffmail.com; Sp. Coastal Vegetation/Mangroves/Seaweeds.

UPADHYAYA, Kailash Chandra (b. 1946) PhD(Penn State, USA),FNA, INSA Senior Scientist, School of Life Sciences, Jawaharlal Nehru University, New Delhi - 110067; Formerly Professor & Dean, School of Life Sciences, JNU; and Formerly Vice-Chancellor, Maharaja Sayajirao University of Baroda; Res. C-601, Rudra Apartments, Plot No. 12, Sector 6, Dwarka, New Delhi - 110075; Tel. (011) 26738730(O), 42548653(R), 09871187171(M); Email : kcupadhyaya@yahoo.com; kcupadhyaya@gmail.com; Sp.Molecular Genetics/ Genomics/

Biotechnology.

2023 UPADHYAY, Ranjit Kumar (b. 1967) PhD,FIMA, Professor (HAG) & Head, Dept. of Mathematics & Computing, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad - 826004; Res. Flat No. C051, Tower C, IIT (ISM), Dhanbad Campus, Indian Institute of Technology (ISM) Dhanbad, Dhanbad - 826004; Tel. (0326) 2235482(O), 09431126485(M); Email: ranjit@iitism.ac.in; Sp. Differential Equations/Brain and Virus Dynamics/Chaotic Dynamics and Reaction-Diffusion Modeling.

1999 UPADHYAY, Siddh Nath (b. 1946) PhD, FNAE, FBRS, FIAPSc, FIE, FAFES, Emeritus Professor of Chemical Engineering, Department of Chemical Eng. & Tech., Indian Institute of Technology (Banaras Hindu University) Varanasi, Varanasi - 221005; Res. B 33/14-13, Gandhinagar, Naria, Varanasi - 221005; Tel. (0542) 2317179(R), 09415372465(M); Email: snupadhyay.che@ itbhu.ac.in; upadhyaysnu@rediffmail.com; Sp. Transfer Processes/Heterogeneous Catalysis/Environmental Engineering/Renewable Energy.

2013 UPRETI, Dalip Kumar (b. 1958) PhD,FES, Chief Scientist, Lichenology Laboratory, CSIR-National Botanical Research Institute, Lucknow - 226001; Res. 4-D, South Wing, Shalimar Heights, 28, Jopling Road, Lucknow - 226001; Tel. (0522) 2297850, 851(O), 4062348(R), 09450400264(M); Fax : 2205836, 839; Email : upretidk@rediffmail.com; upretidknbri@gmail.com; Sp. Lichen Taxonomy/Ecology/Environment.

- 2000 UPRETY, Dinesh Chandra (b. 1945) PhD, FISPP, Emeritus Scientist, Division of Plant Physiology, Indian Agricultural Research Institute, New Delhi-110012; Res. H-69, Vikaspuri, New Delhi 110018; Tel. (011) 28540873(R), 09871986313(M); Email: upretydc@gmail.com Sp. CO<sub>2</sub> Enrichment Research and Technology/Photosynthesis, Drought Resistance in Crop Plants/Global Climate Changes & Crop Responses.
- VAIDYA, Arun Madhusudan (b. 1935) PhD, Formerly Professor, Mathematics Dept., Gujarat University, Ahmedabad; Res. 9 Dhanushdhari Soc., Near Dharnidhar Temple, Ahmedabad 380007; Tel. (079) 26621507(R), 09824633794(M); Email: arunvaidya3@gmail. com; Sp. Theory of Numbers (Mathematics).
- 2021 VAIDYA, Vidita Ashok (b. 1970) PhD, Professor, Dept. of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai 400005; Email: vvaidya@tifr.res.in; viditav@gmail.com;
- VALECHA, Neena (b. 1957) MBBS, MD, FAMS, Adjunct Faculty, PHFI, Former Regional Adviser (Malaria) WHO (SEARO); Former Scientist G & Director, ICMR-National Institute of Malaria Research; Res.Y-27A, Hauz Khas, New Delhi 110016; Tel. 09810162168(M); Email: neenavalecha@gmail.com; Sp. Medical Science/Pharmacology/Malaria.
- VALIATHAN, Martanda Varma Sankaran (b. 1934) ChM, FRCS(Eng.), FRCS(Canada), FRCP(Lond.), DSc(hc), FNA, FASc, FNAE, FAMS, FTWAS, National Research Professor, Manipal School of Life Sciences, Manipal Academy of Higher Education, Manipal 576104; Res. 'Ashima Kutir', 11th Cross, Dasharath Nagar, Manipal- 576104; Tel. (0820) 2922342, 2571201 Ext.22342(O), 09448381547(M); Fax: 2571919, 2570061-62; Email: ms.valiathan@manipal.edu; msvaliathan@gmail.com; Sp. Cardiac Surgery/Cardio Vascular Materials/Ayurveda.
- VARMA, Anupam (b. 1940) PhD, FNA, FNAAS, INSA Emeritus Scientist and Former ICAR National Professor, Advanced Centre for Plant Virology, Indian Agricultural Research Institute, New Delhi-110012; Res. 253, Jaimaa Apartments, Plot 16, Sector 5, Dwarka, New Delhi 110075; Tel. 09810217141(M); Email: anupamvarma@acpv.in; av.acpv@gmail.com; Sp.Plant Pathology/Plant Virology/Biotechnology.

Award: Prof. R.N.Tandon Mem. Lecture Award -Nat.Acad.Sci.Ind. (2000). Dr.BP Pal Mem. Lecture Award-Nat.Acad.Sci.Ind.(2013) Council: Mem. 90-93, 2011-12 Spl. Inv. 2002

VARMA, Indra Kumari (b. 1939) D.Phil., PhD(Glasgow), D.Sc.(Glasgow), Visiting Honorary Professor, NCU, Sector 23A, Gurugram – 122017; Formerly Emeritus Professor, Centre for Polymer Science & Engineering, IIT Delhi, New Delhi; Res. 634, Pkt. E, Sector 21, Gurugram - 122016; Tel. (0124) 2365340, 09582972226(M); Email: ikvarma@hotmail.com; Sp. Polymer Science/Polymer Chemistry.

VARMA, Manik (b. 1976) DPhil, FNAE, FASc, Partner Researcher, Microsoft Research India, 9 Lavelle Road, Bangalore - 560001; Res. House #5, Type 5-B, South Campus, South Moti Bagh, New Delhi - 110021; Tel. (080) 66586000(O), (011) 66586011(R); Email : manik@microsoft.com; Sp. Machine Learning/Information Retrieval/Artificial Intelligence.

1969 VARSHNEY, I.P. (b. 1927) PhD, DSc, FRSC, Formerly Professor of Chemistry; Res. 91, Mahabirganj, Near Jain Mandir, Aligarh-202 001; Sp. Organic Chemistry (Natural Products).

VARSHNEY, Rajeev Kumar (b. 1973) PhD, ML, FTWAS, FCSSA, FASA, FNA, FASc, FNAAS, Research Program Director-Genetic Gains & Director, Center of Excellence in Genomics & System Biology, Building 300, International Crop Research Institute for the Semi-Arid Tropics, Patancheru - 502324; Res. 602/ISH 15, ICRISAT Campus, Patancheru - 502324; Tel. (040) 30713305(O); Fax: 30713074; Email: varshney.raj@gmail.com; Sp. Genomics/Genetics/Molecular Breeding.

VARSHNEY, Umesh (b.1957) PhD, FNA, FASc, FTWAS, Honorary Professor, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore - 560012; Res. 33/A NTI Layout, 1st Main, RMV II Stage, Bangalore - 560094; Tel. (080) 22932686(O); Email: uvarshney@gmail.com; varshney@iisc. ac.in; Sp. Molecular Biology/Protein Synthesis/DNA Repair.

VASAGAM, Ramaswamy Manicka (b. 1939) B.E.(Hons), M.Tech., Former Vice-Chancellor, Anna University, Chennai; Res. T19/2, Coastal Road, Kalakshetra Colony, Besant Nagar, Chennai - 600090; Tel. (044) 2351445(O), 4918000(R); Fax: 2350397; Sp. Space Guidance & Control/System & Engineering/ Engineering Education.

2021 VASANTHAKUMARAN, Sudarsan (b. 1971) PhD, Head, Functional Materials Section, Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085; Res. 17B, Udayagiri, Anushaktinagar, Mumbai - 400094; Tel. (022) 25595355(O), 25508231(R), 06369581054(M); Fax: 25505151; Email: vsudar@barc.gov.in; Sp. Solid State Chemistry/Luminescence.

2019 VASUDEVA RAO, P.R. (b. 1953) PhD, FNAE, Former VC, HBNI; Res. Flat No. 3C1, Jains Inseli Park, OMR Road, Padur – 603103, TN; Tel. 09566535738(M); Email: prvasudeva.rao@ gmail.com; Sp. Actinide Chemistry/Separations Chemistry/ Nuclear Fuel Chemistry.

1988 VASUDEVAN, Padma (b. 1940) PhD, Formerly Professor, Centre for RDAT, IIT, New Delhi; Res. B-215, Chittaranjan Park, New Delhi-110019; Tel. (011) 26591176(O), 26031427(R); Email: padmav10@gmail.com; Sp. Chemistry.

Council: Mem. 92

VATSA, Rajesh Kumar (b. 1963) PhD, FMhAcSci, Head, Cluster Chemistry Section, Chemistry Div., Bhabha Atomic Research Centre, Mumbai - 400085; Res. 8-A, Nanda Devi, Anushakti Nagar, Mumbai - 400094; Tel. (022) 25592438(O), 25504985 (R); Fax: 25505151; Email: rkvatsa@barc.gov.in; rkvatsa@yahoo.com; Sp. Photophysics & Photochemistry of Clusters/Time-of-flight Mass Spectrometry/Coulomb Explosion.

- VELUTHAMBI, Karuppannan (b. 1953) PhD,FASc,FNA, Formerly Professor & INSA Senior Scientist, School of Biotechnology, Madurai Kamaraj University, Madurai 625021; Res. Plot 3, North 1st Street, Palkalai Nagar East, Kalvi Nagar, Madurai 625021; Tel. (0452) 2458458(R), 09443927365(M); Email : kveluthambi@rediffmail.com; Sp. Plant Molecular Biology/ Genetic Engineering/Plant Molecular Virology.
- VENKATACHALAPPA, M.(b.1947) PhD, FNA, Formerly Professor, Department of Mathematics, Bangalore University, Bangalore; Res. 653, 13th Cross, 27th Main, HSR Layout, Sector-1, Agara, Bangalore - 560102;Tel.(080) 25721906(R), 09845448381(M); Email: mvenkatachalappa@hotmail.com; Sp. Fluid Mechanics /Magneto Hydro-dynamics.
- 1980 **VENKATAPPA, M.P.** (b. 1927) PhD(Illinois), Former Professor, Chemistry Department, Central College, Bangalore University, Bangalore 560001; Res. 46, IV 'N' Block, Rajajinagar, Bangalore 560010; Tel. (080) 23122854(R); Sp. **Physical Chemistry/Bio-polymers/X-ray Diffraction Studies.**
- VENKATARAMAN, Chandra (b. 1963) PhD,FNAE, Professor of Chemical Engg. & Associate Faculty, Interdisciplinary Programme in Climate Studies, Indian Institute of Technology Bombay, Powai, Mumbai 400076; Res. B-195, 3rd Floor, Ananta, Indian Institute of Technology Bombay, Powai, Mumbai- 400076; Tel. (022) 25767224(O), 25725052(R), 09819670388(M); Email: chandra@iitb.ac.in; cv140401@gmail. com; Sp. Atmospheric Science/Environmental and Climate Science/Aerosol Chemistry and Physics.
- VENKATARAMAN, Ganesan (b.1932), PhD, FNA, FASc, Formerly Distinguished Scientist, DRDO & Vice-Chancellor, Sri Sathya Sai Institute of Higher Learning, Prasanthinilayam; Res. W6, A14-15 Mandir, Prasanthi Nilayam 515134; Tel. (08555) 286142(R); Email: gvraman108@gmail.com; Sp. Condensed Matter Physics.
- VENKATESWARLU, J. (b. 1934) PhD, Former Director, Central Arid Zone Research Institute, Jodhpur 342003; Res. 26, SBI Colony, Gandhi Nagar, Hyderabad 500080; Tel. (040) 27532928(R), 09849040635(M); Email : jagarlapudi34@ yahoo.co.in; Sp. Dry Land Farming/Soil Fertility Evaluation in River Valley Projects/Watershed Development.
- 1996 VERMANI, Lekh Raj (b. 1940) PhD, Formerly Professor, Kurukshetra University, Kuruskshetra; Flat No. D-402, Nav Sanjivan Apartment, Plot No. 1, Sector 12, Dwarka, New Delhi 110078; Tel. 09466751501(M); Email : Irver@yahoo.com; vermanilr@gmail.com; Sp. Algebra (Cohomology of Groups/ Group Rings and Algebraic Coding Theory).

1979 VERMA, Arun PhD, DSc, Professor, Mathematics Dept., University of Roorkee, Roorkee-247 667;

- 1990 VERMA, Ganpati Prasad (b. 1941) PhD,FESI,FBS, Former Professor & Head, P.G. Dept.of Zoology, Berhampur University, Berhampur-760 007; Res. B/5,University Campus, Berhampur-760007; Tel. (03482) 7217(R); Sp. Cell Biology/Histochemistry.
- VERMA, Hriday Narain (b. 1942) PhD, FBS, FPSI, FISEB, Vice-Chancellor, Jaipur National University, Jagatpura, Jaipur 302017; Tel. (0141) 719000, 2754399(O), 09829667237, 09351288076(M); Fax: 2752418; Email: vc@jnujaipur.ac.in; vermalko@yahoo.co.uk; Sp. Plant Virology/Plant Pathology/Plant Protection/Molecular Biology.

Council: Mem. 2021-22

- VERMA, Jugal Kishore (b.1958) PhD, FNA, FINSA, Professor, Department of Mathematics, Indian Institute of Technology Bombay, Powai, Mumbai 400076; Res. B119, Central Area, IIT Bombay Campus, Powai, Mumbai 400076; Tel. (022) 25767478(O), 25768478(R), 09819307484(M); Fax: 25723480; Email: jkv@math.iitb.ac.in; Sp. Commutative Algebra.
- VERMA, Mahendra Kumar (b. 1966) PhD, FNA, FASc, Professor, Department of Physics, IIT Kanpur, Kanpur 208016; Res. H.No. 4074, IIT Kanpur, Kanpur 208016; Tel. (0512) 2597396(O), 2598515(R), 09399746029(M); Email: mkv@iitk. ac.in; Sp. Turbulence/Nonlinear Physics/Nonequilibrium Statistical Physics.
- 1977 VERMA, Mahendra Pratap (b. 1931) PhD, Formerly Professor & Head, School of Studies in Physics, Vikram University, Ujjain; Res. 303, Beverlypark Apartment, 422, New Hyderabad, Lucknow 226007; Sp. Solid State Physics/Plasma Physics.
- VERMA, Praveen Kumar (b. 1966) PhD, Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi 110067; Res. Flat No. 9008, Sector C, Pocket 9, Vasant Kunj, New Delhi 110070; Tel. (011) 26704519(O), 09911119929(M); Email: praveenkverma@jnu.ac.in; pkv.jnu@gmail.com; Sp. Plant-Microbe Interaction.
- VERMA, Rama Shanker (b. 1956) PhD, Director & Professor, Department of Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Prayagraj 211004; Res. Director's Residence, Motilal Nehru National Institute of Technology Allahabad, Prayagraj 211004Tel. 09444055161(M); Email: vermars@iitm.ac.in; dr.ramashankerverma@gmail.com; Sp. Stem Cell/Immunology/Molecular and Cell Biology.

Council: Tr. 2024-

VERMA, Rishendra (b. 1953) PhD,DSc,FNAVSc, FNAASc, Former Joint-Director (CADRAD), ICAR-Indian Veterinary Research Institute, Izatnagar; Joint Director (Research), National Dairy Research Institute, Karnal, ICAR-Eemritus Scientist, ICAR-Eemritus Professor, Ex-Professor of Eminence (Microbiology), MJP Rohilkhand University, Bareilly (UP); Res. 1219/6, E-Block, Rajendranagar, Izatnagar-243122,Distt: Bareilly (U.P.); 09359117376(M); Email: rishendra\_verma@yahoo.com; Sp. Microbiology/Immunology/Mycology/Laboratory Animal Science.

VERMA, Sandeep (b. 1966) PhD(Illinois), FNA, FASc, FRSC, JC Bose National Fellow, Secretary, Science and Engineering Research Board (SERB), New Delhi, and Center for Nanoscience, and Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur - 208016; Res. House No. 654, IIT Kanpur, Kanpur - 208016; Tel. (0512) 6797643(O), 6798786(R), 09935081810(M); Fax: 6796806; Email: sverma@iitk.ac.in; secretary@serb.gov.in; Sp. Chemical Biology/Bioinspired Soft Matter/Bionanotechnology.

Council: Mem. 2021-22

VERMA, Satish Chander (b. 1931) PhD, FLS, FBS, FIFS, FISCG, FISPM, UGC Emeritus Fellow; Professor Emeritus, Panjab University, Chandigarh; Formerly Professor & Head of Botany, Panjab University, Chandigarh; Res. 5452/1, CAT-2, Modern Housing Complex, Manimajra, Chandigarh - 160101; Tel. (0172) 2734773(R), 07087997352(M); Email : verma1sc@ yahoo.co.in; sc.verma1931@gmail.com; Sp. Cytology/ Genetics/Reproductive Biology (Plants)/Cytotaxonomy and Biology of Ferns.

1975 VERMA, Virendra Krishna (b. 1934) PhD, FIAS, Formerly Professor & Head of Geology and Dean, Faculty of Science, University of Delhi, Delhi; Res. B-3/1, Janakpuri, New Delhi-110058; Tel. (011) 25597554(R), 09818158495(M); Email: profvk\_verma@yahoo.com; Sp. Geology Geomorphology/Sedimentology/Geo-Environment.

VIJAYAN, Edathil (b. 1943) PhD, MAMS, FRE, Former ICMR-Emeritus Medical Scientist & UGC-Visiting Professor in Biotechnology, Cochin University of Science & Technology, Kochi; Chairman, NASI-Kerala Chapter; President, Society for Biotechnologists India; Res. Villa #1, Imperial Gardens, Tripunithura, Kochi - 682306, Kerala; Tel. 09995465535, 09895031172(M); Email: drvijayan@cusat.ac.in; evjmenon@gmail.com; Sp. Neuroendocrinology/Reproduc-tive Biology/Immunoendocrinology/Neuroscience.

1989 VIJAYARAGHAVAN, Ramanuja (b.1931), PhD, FNA, FASc, Formerly Distinguished Professor; INSA Senior Scientist; Res. 305, Vaigyanik Coop. Hsg. Soc., Plot 58-59, Sector 14, Vashi, Navi Mumbai - 400703; Tel. (022) 27667554(R); Email: rvramanujan@yahoo.com; Sp. Solid State Physics.

VIJAYRAGHÁVAN, Krishnaswamy (b. 1954) PhD, FNA, FASc, FRS, FTWAS, Principal Scientific Advisor, Gol, Former Secretary, Govt. of India, Department of Biotechnology, Block 2, CGO Complex, Lodi Road, New Delhi - 110003; Tel. (011) 24362881, 24362950(O); Fax: 24360747; Email: vijay.dbt@nic.in; vijay@ncbs.res.in; Sp. Developmental Genetics.

VIJH, Ashok Kumar (b. 1938) FRSC, FTWAS, FIEEE, FIInstP, FAPS, FNA, Maitre-De-Recherche, Institute de recherche di, Hydroquebec, 1800 Montee St.Julie Varennes Que, Canada J3XISI; Res. 289 Rue De la Commune #45, Montreal, Que, Canada H2Y2E1;Tel.(514) 6528234(O), 2820408(R); Email: ashok@ireq.ca,vijh.ashok@hydro.qc.ca; Sp. Electrochemistry/ Solid State Science/ Chemical Physics of Interfaces.

VINAYACHANDRAN, P.N. (b. 1964) PhD,FASc, Professor, Centre for Atmospheric and Oceanic Sciences, Indian Institute of Science, Bangalore - 560012; Res. NE-307, Block 4, New 'E' Type, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22933065(O), 23601013(R), 09845740257(M); Email: vinay@iisc.ac.in; pn.vinayachandran@gmail.com; Sp. Oceanography/Ocean Modeling.

VIRK, Daljit Singh (b. 1944) PhD(Birmingham), DSc(Birmingham), FNA, FNAAS, C.Biol., FRSB, Formerly Professor (Sr.Millet Breeder), Department of Plant Breeding, Punjab Agricultural University, Ludhiana - 141001; Formerly International Coordinator & Sr. Research Fellow, Centre for Advanced Research for International Agriculture and Development (CARIAD), Bangor University, Bangor, Wales, LL57 2UW, U.K.; Res. 18, South Brae Close, Littleover, Derby DE 23 1WD, UK; Tel. 044-1332-766629(R), 0044-7799057846(M); Email: dsvirk2012@gmail.com; Sp. Genetics & Plant Breeding.

1990 VIRMANI, Surinder Mohan (b.1938) PhD, FISSS, FNASS, Formerly Principal Scientist, ICRISAT and Formerly Professor of Soil Science and Chief Scientist, Dryland Agriculture, Haryana Agricultural University, Hissar; Res. House #189A, Model Town Extension, Ludhiana - 141002; Tel. (0161) 4100327(R), 09515706336(M); Email : smvirmani1938@gmail.com; Sp. Sustainable Agriculture/Improved Natural Resource Management.

2009 VISHVESHWARA, Šaraswathi (b. 1946) PhD, FASc, NASI Honorary Scientist, Molecular Biophysics Unit, Indian Institute of Science, Bangalore - 560012; Res. 92, 1st Main Road, RMV II Stage, 1st Block, Bangalore - 560094; Tel. (080) 22932460(O), 09448351017(M); Fax: 23600535; Email: saraswathi@iisc. ac.in; Sp. Computational Biology/Bioinformatics/Protein Structure Networks.

2011 VISHWAKARMA, Ram (b. 1960) PhD, Council of Scientific & Industrial Research, Anusandhan Bhavan, Rafi Marg, New Delhi – 110001; Former Director, IIIM, Jammu; Tel. 09419182833, 09797522611(M); Email: ram@iiim.ac.in; Sp. Chemical Biology/Glycobiology/Drug Discovery.

VIYOGI, Yogendra Pathak (b. 1948) PhD, FNA, INSA Emeritus Scientist, DAE Raja Ramanna Fellow and Outstanding Scientist, Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata - 700064; Formerly Director, Institute of Physics, Bhubaneswar; Res. Block 8, Flat 2B, Diamond City North, Kolkata - 700055; Tel. 09831037532(M); Email: viyogi@gmail.com; Sp. Experimental Nuclear Physics.

1994 VRAT, Prem (b. 1944) PhD, FNAE, FWAPS, FISTE, FIIIE, Chairperson, Board of Governors, IIT (ISM), Dhanbad; Pro Chancellor; Professor of Eminence & Chief Mentor, The Northcap University, Sector 23A, Gurgaon - 122017; Res. 1240, Sector A, Pocket A, Vasant Kunj, New Delhi - 110070; Tel. (0124) 4195279(O); Fax: 2367488; Email: premvrat@ncuindia. edu; profpremvrat.iitd@gmail.com; premvrat@gmail.com; Sp. Industrial Engineering & Operations Research and System Dynamics for Policty Modeling.

Council: Mem. 2009-10

VRATI, Sudhanshu (b. 1960) PhD, FASc, FNA, Executive Director, 2004 Regional Centre for Biotechnology, NCR Biotech Science Cluster, Faridabad-Gurugram Expressway, Faridabad - 121001; Res. A-11, N.I.I. Campus, JNU Complex, New Delhi- 110067; Tel. (0129) 2848801(O), (011) 26703677(R), 09811007944(M); Email: vrati@rcb.res.in; Sp. Molecular Virology/Vaccinology/ Biotechnology.

1991 WADHWA, Shashi (b. 1948) MBBS, MS, PhD, FAMS, FASc, FIANS, Formerly Professor, Department of Anatomy, AIIMS, New Delhi; Res. B-114, Sector 30, Noida-201303; Tel.09910769909(M); Email : shashiwadhwa@hotmail.com; shashiwadhwa.anat@gmail.com; Neurobiology/ Sp.

**Developmental Neuro science.** 

2000 WADIA, Spenta Rustom (b. 1950) PhD, FNA, FASc, FTWAS, Infosys Homi Bhabha Chair Professor and Founding Director, International Centre for Theoretical Sciences, Shivakote, Bengaluru - 560089; ; Tel. (080) 46536010(O); Email : spenta. wadia@icts.res.in; spenta.wadia@gmail.com; Sp. Quantum Field Theory/String Theory/Quantum Gravity.

WAGH, Arun B. (b. 1938) PhD, Scientist F (Dy. Director) & Head, Marine Corrosion & Materials Research Division, National 1992 Institute of Oceanography, P.O.- N.I.O., Dona Paula, Goa - 403 004; Res. E-4, Staff Quarters, N.I.O. Campus, Dona Paula, Goa- 403004; Tel. (0832) 226253, 226256(O), 226037(R); Sp. Marine Biodeterioration/Marine Biology/Oceanography.

2007 WAGHMARE, Umesh Vasudeo, (b. 1968) PhD(Yale), FNA, FASc, Professor, Theoretical Sciences Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore - 560064; Res. 43, Maitreya, 4<sup>th</sup> Cross, Sector A, Amruth Nagar, Bangalore - 560092; Tel. (080) 22082842(O), 23622774(R), 09448287711(M); Fax : 22082767; Email : waghmare@ jncasr.ac.in; Sp. Multi-functional oxides/Nanomaterials/ Geometric Phases.

Council: Mem. 2019-20

1982 WAGHMARE, Yeshwant Ramchandra (b. 1937) PhD, FMASc, Emeritus Scientist, Department of Physics, University of Pune, Ganeshkhind, Pune - 411007; Res. Omkar, 9, Shri Mangal Society, Survey No. 46/2A, Paud Road, Pune - 411038; Tel. (020)25410432(R): Fax: 25435239: Email: vrw37@ rediffmail.com; Sp. Theoretical Nuclear Physics.

1986 WALI, Mohan K. (b. 1937) PhD(British Columbia), FAAAS, Professor Emeritus and Former Director, School of Environment and Natural Resources, The Ohio State University, 2021 Coffey Road, Columbus, Ohio 43210-1085, USA; Res. 5068 Winchell Court, Dublin, OH 43017-2165, USA; Tel. (614) 766-9759(R), (614) 378-9052(M); Email : wali.1@osu.edu; r columbus.rr.com; Sp. Ecology/Environmental Science. mwali@

2011 WANI, Mohan Ramachandra (b.1965) MVSc(Surgery), PhD(Medicine, England), FNA, FAMS, FNAVS, Tata Innovation Fellow, Director, National Centre for Cell Science, Pune University Campus, Ganeshkhind, Pune - 411007; Res. Parijat Apartment, Mayur Colony, Kothrud, Pune - 411038; Tel. (020) 25708121(O), 25430204(R), 09373000831(M); Email mohanwani@nccs.res.in; Sp. Bone and Cartilage Remodeling and Medicine, Osteoimmunology, Stem Cell Science and Regenerative Medicine.

2023 YADAV, Bal Chandra (b. 1970) PhD, Professor & Head, Department of Physics, School of Physical and Decision Science, Babasaheb Bhimrao Ambedkar University, Lucknow - 226025; Res. A-603, Rajvnash Residency, Shaheed Nagar, Near BBAU, Lucknow - 226025; Tel. 09450094590, 09450098880(M); Email : balchandra\_yadav@rediffmail.com; bcyadava@bbau.ac.in; Sp. Applied Physics/Nanoscience & Nanotechnology/Physics and Technology of Sensors.

YADAV, Ganapati Dadasaheb (b. 1952) PhD, DSc(hc), DEng(hc), FNA, FTWAS, FNAE, FRSC, FIChemE(UK), FICS, FIIChE, 2003 FISTE, Emeritus Professor of Eminence & JC Bose National Fellow, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai - 400019; Res. Palm Springs CHS, A1201, Plot No. 11-12-13, Near Peer Sayyad Badshah Udyan, Sector 7, Airoli, Nave Mumbai 400708; Tel. (022) 3361 2010/ 1111/2222(O), 09833090510(M); Fax: 33611020; Email: gd.yadav@ictmumbai.edu.in; gdyadav@gmail.com; gdyadav@ yahool.com; Sp. Chemical Engineering/Green Chemistry & Engineering/Catalysis Science Engineering/ Biotechnology/Nanomaterials & Nanocatalysis/Energy Engineering.

1993 YADAV, Jhillu Šingh (b. 1950) PhD, FNA, FASc, FTWAS, JC Bose Fellow, Provost, Director and Trustee, Indrashil University, At/PO: Rajpur, Taluka: Kadi, Dist: Mehsana - 382740, Gujarat; Former Director, CSIR-IICT; Tel. (2764) 278813/15(O), 07069076528(M); Email: yadavfna@gmail.com; Sp. Organic Synthesis/Natural Products.

Council: Mem. 2009-10

2023 YADAV, Om Parkash (b. 1963) PhD,FNA,FNAAS,FISGPB, Director, ICAR-Central Arid Zone Research Institute, Jodhpur - 342003; Res. Director's Bungalow, ICAR-Central Arid Zone Research Institute, Jodhpur - 342003; Tel. (0291) 2786584(O), 09413931805(M); Email: opyadav21@yahoo.com; Sp. Plant Breeding/Drought Tolerance/Natural Resource Management.

1999 YADAV, Rattan Lal (b. 1949) PhD, FISA, FNAAS, Formerly Director, Indian Institute of Sugarcane Research, Lucknow; Res. A 703, Ashadeep Apartment, Plot No. 3-B, Sector-2, Dwarka, New Delhi - 110075; Tel. (011) 25095062(R); Email: rattanlal.yadav@gmail.com; Sp. Agronomy/Cropping-Farming Systems/Organic Farming.

YADAV, Ram Ratan (b. 1956) PhD, FASc., CSIR-Emeritus Scientist, Wadia Institute of Himalayan Geology, 33 General Mahadev Singh Road, Uttarakhand Dehradun – 248001; Res. 14, Dropadi Vihar, Narayan Nagar, Faizabad Road, Lucknow - 226016; Tel. 09450394957, 09452694759(M); Email : rryadav2000@gmail.com; Sp. Climate Change/Palaeoclimate/ Tree-ring analysis.

2009 YADAV, Shrirang Ramchandra (b. 1954) PhD, FMASc, FNA, Professor, UGC BSR Faculty Fellow, Department of Botany, Shivaji University, Kolhapur - 416004; Res. 'Nisarg' Gulmohor Colony, Behind Dadu Chougale Nagar, Ujalaiwadi, Kolhapur - 416004; Tel. (0231) 2609389(O), 2607025(R); Fax: 2692333; Email: sryadavdu@rediffmail.com; Sp. Taxonomy of Angiosperm.

YADAV, Sudesh Kumar (b. 1976) PhD, FNAAS, Director, CSIR-Institute of Himalayan Bioresource Technology, Palampur – 176061, HP; Res. Campus Residence, CSIR-IHBT, Palampur-176061, HP; Tel. (0189) 4230411(O), 09418050116(M); Fax: 4230433; Email: director@ihbt.res.in; sudesh@ihbt.res.in; sudesh@ciab.res.in, sudeshciab1@@gmail.com; skyt@rediffmail.com Sp. Metabolic Engineering/ Biotechnology/Bioprocess Technology.

- YADAVA, Devendra Kumar (b. 1966) PhD,FNAAS, Assistant Director General (Seed), Indian Council of Agricultural Research, Room No. 101, Krishi Bhawan, Dr. R.P. Road, New Delhi 110001; Res. Bungalow No.B-15, Pusa Campus, ICAR-Indian Agricultural Research Institute, New Delhi 110012; Tel. (011) 23382257, 23046457(O), 09711075880, 09868537641 (M); Fax : 23382257; Email : dkygenet@gmail.com; Sp. Genetic Improvement of Oilseeds and Pulses/Development of Seed Systems.
- 1996 YAKHMI, Jatinder Vir (b. 1946) PhD, Senior Professor at HBNI, Former Chairman, Atomic Energy Education Society, and Ex DAE Raja Ramanna Fellow, HBNI, Mumbai; Formerly Adviser to Chairman, AEC & Ex. Associate Director, Physics Group, BARC, Mumbai; Res. B-2603, Sienna Tower, Lodha Fiorenza, Next to Hub Mall, Western Express, Goregaon (East), Mumbai 400 063;Tel. 09892991234 (M); Email: ya\_kmi@yahoo.com; Sp. Superconductivity/Magnetism/Molecular Electronics/Molecular Magnets/ Sensors.
- YUSUF, Seikh Mohammad (b. 1965) PhD, DSc(hc), FNA, FASc, FMASc, Director, Physics Group, Bhabha Atomic Research Centre, Trombay, Mumbai 400085; Former Director, Institute of Physics, Bhubaneswar; Res. 502, Breeze Park, Plot 64, Sector 14, Koparkhairane, Navi Mumbai 400709; Tel. (022) 25595608(O), 27547160(R), 09833983074(M); Email: smyusuf@barc.gov.in; smyusuf1@yahoo.com; Sp. Magnetism /Neutron Scattering/Condensed Matter Physics.
  Council: Mem. 2023-
- 2AIDI, Saiyid Aftab Ahmad (b. 1931) PhD(Toronto), Formerly Chairman, Department of Chemistry, Dean, Faculty of Science, Aligarh Muslim University, Aligarh; Res. Iram 4/1182 New Sir Syed Nagar, Aligarh 202002; Tel. 09871088234(M); Email: zaidiaftaba@hotmail.com; Sp. Coordination Chemistry.
- ZARABI, M.J. (b. 1947) PhD, Formerly Chairman-cum-Managing Director, Semiconductor Complex Ltd., S.A.S. Nagar; Res. C-28, Pamposh Enclave, New Delhi; Tel.(011) 26213249(R), 9810055795(M); Email: mjzarabi@yahoo.co.in; Sp. Microelectronics.
- ZINGDE, Mahesh Datta (b. 1947) PhD, Formerly Scientist-in-Charge, NIO, Mumbai; Res. 53, CH-3, Kendriya Vihar, Sector 11, Kharghar, Navi Mumbai 410210; Tel. (022) 2774455(R), 09930345733(M); Email : mzingde@gmail.com; Sp. Marine Pollution.

2UTSHI, D.P. (b. 1934) PhD, FNIE, FNEA, Formerly Director/Professor, University of Kashmir, Srinagar; Res. A-601, Satisar, Sec. 7, Plot 6, Dwarka, New Delhi - 110075; Tel. (011) 25087010(R), 09811779617(M); Email : dpzutshi601@gmail.com; Sp. Aquatic Ecology/Environmental Science/Conservation.

## DECEASED HONORARY FELLOWS, FOREIGN FELLOWS AND FELLOWS

Abdi, Wazir Hasan Abhyankar, Krishna D. Abidi, S.A.H. Acharya, B.D. Adyalkar, Pandurang G. Agarwal, Ratan Prakash Agarwal, Shyam Swarup Agarwala, B.V. Agrawal, Hira Lal Agrawal, Surendra K. Agrawal, Ved Prakash Ahuja, Paramvir Singh Aiya, S.V.C. Ajrekar, S.L. Ambasht, Radhey S. Anandakrishnan, M. Anderson, Philip Warren Arora, Rajeshwar K. Arunachalam, Puduru V. Asundi, R.K. Ayyangar, G.N.R. Bagchi, H.D. Bahadur, J. Bahl. K.N. Baker, Alan Ballabh, R. Banerjee, Arun Baran Banerjee, Haridas Banerjee, Rinti Banerjee, Srikumar Banerji, A.C. Banerji, Asoke Banerji, K. Banerji, S.K. Banerji, S.N. Banerji, Samir K. Barnabas, J. Baruah, P.K. Basu, N.M. Basu, Saradindu Battersby, Alan Rushton Bergstrom, Karl Sune Bhachhawat, B.K. Bhakuni, Dewan Singh Bhakuni, Vinod Bhanu, M.K. Bharadwaj, Y. Bhargava, H.N. Bhargava, H.R. Bhargava, Kameshwar S. Bhargava, S.N. Bhargava, S.R. Bhat, Pushkar Nath Bhatnagar, Arvind Bhatnagar, Hari Lal Bhatnagar, P.L.

Bhatnagar, S.S.

Bhattacharya, A.K. Bhattacharya, A.P. Bhattacharya, Abani K. Bhattacharya, Ajit Kumar Bhattacharya, D.R. Bhattacharyya, Bhabatarak Bhattacharyya, J.C. Bhawalkar, D.R. Bhide, Sumati V. Bhide, V.G. Bhonsle, B.R. Bilgrami, K.S. Bir, S.S. Biswas, B. Biswas, Samarendra N. Biswas, Sukumar Boggs, James E. Bohr, N. Bolin, Bert Richard Bondi, Sir Herman Borlaug, Norman E. Borton, Sir Derek H.R. Bose, A.G. Bose, Ashok Kumar Bose, D.M. Bose, Dwarka N. Bose, Kartic Chandra Bose, N.K. Bose, P.K. Bose, S. Bose, S.N. Bradshaw, Anthony D. Burma, Debi Prosad Burridge, W.C. Chakravarty, Ashim Kumar Chakravarty, Charusita Chakravorty, Maharani Champion, H.G. Chandel, K.P.S. Chandra, D.B. Chandra, H. Chandra, Naresh Chandra, Sudhir Chandra, Suresh Chandrasekhar, S. Chandrasekhar, S. Chandrashekaran, M.K. Charavartty, A.K. Chatterjea, Jnanendra N. Chatterjea, Jnanendra Nath Chatterjee, A.C.

Chatterji, Ram Gopal Chatterji, U.N. Chattoo, Bharat Bhushan Chaturvedi, Ravi Shankar Chauhan, Birendra S. Chhibber, H.L. Chinoy, J.J. Chinta Murthy, R. Chitre, S.M. Chopra, Kasturi Lal Chopra, R.N. Chopra, S.D. Chopra, S.R.K. Choudhary, Hari Shankar Choudhury, Bishwajit Choudhury, H. Choudhury, K.A. Clarke, G. Compton, A.H. Crisp, D.J. D'souza, Stanislaus F Dalitz, Richard Henry Daniel, Ranjan Roy Das Gupta, S.N. Das Gupta, S.N. Das, A.K. Das, B.K. Das, Jyotirmoy Das, Mukkattu R. Das, R.S. Das, S.M. Das, S.M. Datta. S. Dave, J. Sadashiv Dave, Laxmiprasad D. Dayal, B. Daval. J. Dayal, M. De, Samarendra Kumar Dehadrai, P.V. Deo, Satya Deodhar, D.B. Dey, Arun Kumar Dev. P.K. Dhar, M.L. Dhar, N.R. Dhawan, Bhola Nath Dhawan, C.L. Dhawan, Satish Dikshit, H.P. Dirac, P.A.M. Dominic, Candanat J. Doosaj, S.S. Doraiswamy, L.K. Drane, H.D.H.

Chatterjee, G.

Chatterji, K.P.

Chatterjee, R.C.

**Deceased Fellows** 341

Dresselhaus, Mildred S. Herman, Robert Lahiri, Benoy K. Lakhanpal, R.N. Dumir, V.C. Hulse, Joseph H. Dutta. Guru Prakash Husain, S.Izhar Lakshman, S.V.J. Lal. Devendra Dutta, Pratap Chandra lyengar, P.K. Lal, J.B. Dutta-Gupta, Aparna Jagannathan, V. DuttaMajumder, D.K. Jain, Amolak Chand Lal, Krishna Behari Dwivedi, Rama Shankar Lal, Ravindra Kumar Jain, Pawan K Lewis, Lord of Newnham Dwivedi, S.N. Jain, Rakesh Kumar Lighthill, Sir James Egami, Nobuo Jain, S.C. MacMahon, P.S. Einstein, A. Janardhan, Avula S. Mahalanobis, P.C. Ernst, Richard R. Jayannavar, Arun M. Maheshwari, P. Ferey, Gerard Jayaram, K. C. Maheshwari, Satish C. Fyfe, William Sefton Jhingran, A.G. Gandhi, I. Majumdar, C.K. Jhingran, V.G. Majumdar, Rabi Gandhi, R. Jhon, Mu Shik Malik, Chander Parkash Ganguli, D.N. John, Sheridan Malik, Surender K. Ganguli, P.B. Joshi, A.C. Malik, W.U. Joshi, Bhuwan Chandra Ganguly, D.N. Mall, Lallan Prasad Gautam, O.P. Joshi, S.S. Malviya, M.M. Ghose, S.L. Joshi, Shri Krishna Mani, M.S. Kakkar, Vijay Vir Kalam, A.P.J.A. Ghose, Tarun K. Manna, Govind Kisor Ghosh, Ashok Mansingh, Abhai Kamboj, V.P. Ghosh, Asok Kumar Mansingh, Ajai Kanungo, Madhu Sudan Ghosh, J. Maramorosch, Karl Ghosh, J.C. Kapahi, Vijay Kumar Marshall, Guy A.K. Ghosh, Jayanta K. Kapil, Ravinder Nath Martin, Andre Jean Ghosh, R.N. Kapitaza, P. Mathai. G. Kapoor, Jagat Narain Ghosh, S. Mathur, B.S. Ghosh, S.C. Kapoor, Ramesh C. Mathur, K.K. Ghosh, S.K. Kashyap, Ajai Kumar Mathur, K.N. Ghosh, Satyendra Nath Katiyar, J.C. Mathur, Prem Behari Gilbert, Lawrence Irwin Katiyar, Sarvagya S. Mathur, Rajendra S. Gill. Piara Singh Kaul. R.N. Mehra, H.R. Gnanam, Arumugam Kaw, Pedhiman Krishan Mehra, P.N. Goel, Parmatma Saran Khan, Reayat Mehrotra, A.P. Goodrich, E.S. Khare, H.C. Mehrotra, B.S. Govil, Girjesh Khare, M.K. Mehrotra, K.N. Govindarajulu, Zakkula Khattri, K.N. Mehrotra, R.C. Govindeswamy, S. Khetrapal, Chunni Lal Mehta, K.C. Mehta, Vikram B. Gowariker, V. Ranchhod Khokle, Waman S. Gowda, Halukuru Sanke Khorana, Har Gobind Menon, K.K.G. Menon, M.G.K. Merh, Sukumar S. Grover, Iqbal Singh Khoshoo, T.N. Khurana, J.P. Guha-Mukherjee, Sipra Kichlu, P.K. Mishra, A.B Mishra, M.L. Gulatee, B.L. Gupta, Anadi Sankar King, C.A. Mishra, R.D. Mishra, R.K. Gupta, D.R. Kishore, Kaushal Gupta, H.R. Kothari, D.S. Mishra, Ratan Shanker GUPTA, Narendra Pal Krishna Murti, C.R. Mishra, S.P. Misra, Ayodhya Prasad Misra, R.A. Gupta, Narendra Prakash Krishna, Bal Gupta, Purna Chandra Krishna, S. Misra, Ramdeo Gupta, S.R. Krishnaji Misra, Ramesh C. Krishnan, K.S. Guraya, S.S. Mitra, A.K. Krishnaswami, S. Guri, Marchuk Mitra, A.P. Gyani, B.P. Kristiansen, K. Mitter, J.H. Kulandaiswamy, V.C. Hahn, O. Mohammad, Ch. W. Hararay, P.K. Kumar, Anil Mohan Ram, H.Y. Kumar, Narendra Harary, Frank Mohan, Chandra Kumar, R. Hari Mohan Mohanty, Prasanna K. Kumar, Sushil Harley, J.L. Mookerjee, Abhijit Kushwaha, R.S. Mookherjee, Asoke Hasan, Mahdi Lahiri, A.N. Mowdawalla, F.N.

Hayaishi, Osamu

Reddy, Gurjal Madhava Richards, P.B. Robbins, Frederick C. Mukherjee, Santi Ram Porter, Baron of Mukhopadhyay, A.
Murthy, Chivukula A.
Murty, Y.S.
Mushran, S.P.
Nag Chaudhuri, B.D.
Nagarajan, Subrahmaniam
Nagaraju, Javare Gowda
Naba K Luddennam Prakash, Dharam Prakash, Ishwar Robinson, R. Robson, Peter Neville Prakash, Sheo Rodriguez, Placid Rohatgi, H.L. Roy, B.B. Pramanick, S.K. Prasad, Akhouri Balram Prasad, B. Roy, Durga Prasad Roy, R.P. Rudraiah, Nanjundappa Russel, E.J. Naha, K. Prasad, B.N. Naik, Subhash R. Prasad, Chandrika Nair, N. Balakrishnan Prasad, G. Nair, V.M.G. Prasad, K. Prasad, Mata Prasad, R. Raghu Sabhasri, Sanga Sachdev, P. L. Nakra, Bahadur Chand Narain, Hari Sadasivan, Toppur S. Sadhu, D.P. Narain, Prem Prasad, S. Prasad, S.N. Narasimha, Roddam Narasimhan, M.S. Prasad, Shiva Shankar Saha, A.K. Narasimhan, P.T. Saha, Ajit Kumar Prigogine, Ilya Narasimhan, P.T. Pullman, A. Pullman, Bernard Saha, M.N. Narasimhan, R Sahai, Brahma Nand Puri, G.S. Puri, Vishwambhar Narayan, Luxmi Sahni, B. Narayanam, P.S. Narlikar, V.V. Sahni, S. Purkayastha, R. P. Putchala, Mallikarjuna S. Saksena, K.M. Nataraja, A.V. Saksena, R.K. Saksena, S.B. Natarajan, Rajagopala Qasim, S.Z. Qureshi, M. Rai, M.M. Raj, Baldev Natarajan, Rajagopala Nath, Indira Nath, R. Nautiyal, D.D. Nayudamma, Y. Neergaard, P.P.F. Nehru, S.S. Nigam, Hira Lal Nigam, Prem Chandra Nigam, R.K. Nitvanand Saksena, Vimal C. Salam, Abdus Sampurnanand Sandhu, Sarjit Singh Sankaranarayanan, G.I. Santappa, Musa Raju, Nadimpalli Appala Rajulu, G. Sundara Ram, R. Ramachandra, K. Santhakumaran, L.N. Sanyal, N.K. Sarbhoy, A.K. Sastri, Malladi Narsimha Ramachandran, G.N. Ramaih, K. Ramamurthi, B Nityanand Normand, C.W.B. Ramamurthy, B. Satyanarayana, Y. Notain, N.K. Ramanna, Kaja Saxena, B.B.L. Ramaseshan, Sivaraj Padmanabham, G Saxena, R.N. Ramdas, L.A. Ramesh, Rengaswamy Saxena, Rajendra K. Paintal, A.S. Pal, B.P. Pal, N.L. Pal, Yash Schrader, S.H. Ranade, Jagannath D. Randhawa, M.S. Schrodinger, E Schultes, Richard E. Pal, Yash Paliwal, Kailash Pande, Jitendra Nath Pandey, Raj Mani Pandeya, Satish C. Pangtey, Y.P.S. Panikkar, N.K. Sen Gupta, N.N. Sen Sarma, Parimal K. Sen, B. Sen, J.M. Ranganathan, Subramania Ranjan, S. Rao, A.R. Rao, A.S. Rao, Barry R. Rao, Gudipaty S. Sen, K.C. Sen, N.R. Pant, D.D. Rao, K. Hanumantha Sen, P. Paranjpye, R.P. Parida, Ajay Kumar Parikh, J.C. Rao, Kalluri S. Sen, Parimal C. Seshadri, Conjeevaram S. Seshagiri, Narasimhiah Rao, M. Rama Mohana Rao, Neelamraju G.P. Parja, P. Rao, Patcha Ramachandra Seth, Prahlad K. Rao, S.N. Rao, S.R. Parulekar, Arun Sethi, N.K. Pascal, P Sethi, R.L. Rao, S.R. Rao, Sanjeeva P. Rao, T.S.S. Rao, Udipi R. Rastogi, Raghunath P. Rawat, J.S. Ray, B.B. Passi, IBS Sethna, Homi N. Shah, V.M. Shah, Vinodkant C. Pathak, Ram Shankar Patil, Ramakant P. Patin, Kalliahalit P. Patnaik, G.K. Patwardhan, P.Keshava Paul, Ram Chand Perti, Onkar Nath Peter, K.V. Shanmugam, G. Sharma, Archana Sharma, Arun Kumar Ray, M. Sharma, Chandra Bhan Ray, Naba Kishore RAY, Prasanta K. Sharma, Chandra Prakash Sharma, Devendra Pinford, E.S. Raychaudhuri, S.P. Ponnamperuma, C. Sharma, Ganpati P Raychaudhuri, Amal K. Porsezian, Kuppusamy Sharma, Mahendra N. Raychaudhuri, Syama P. Sharma, Vinod P.

Deceased Fellows 343

Shukla, G.S. Shukla, Ram Avtar Siddiqi, Obaid Siddqui, H.N. Singal, M.K.
Singh, A.N.
Singh, Amar
Singh, B.N.
Singh, B.N.
Singh, B.N.
Singh, B.N. Singh, Lalji Singh, P.R. Singh, P.R.
Singh, Rameshwar
Singh, R.P.
Singh, S.B.
Singh, Sankatha Pd.
Singh, Shyam Vir
Singh, U.N.
Singh, Udai Bir
Singh, Yagya Narain
Sinha, B.P.
Sinha, Sati R.Prasad Sinha, Surendra Nath Sinha, Suresh K. Sokolov, A.V.E Somayajulu, BL K. Soni, Balbir Krishna Sri Niwas Srikrishna, A. Srimani, P.K Srinivasan, Shiriyasan, M.S. Srivastava M.D.L. Srivastava, Anil Kumar Srivastava, B.N. Srivastava, Bal Krishna Srivastava, Brajesh B. Srivastava, G.D. Srivastava, G.P. Srivastava, Gopal K. Srivastava, H.D. Srivastava, Hari S. Srivastava, J.P.

Srivastava, K.P. Srivastava, Kailash N. Srivastava, O.N. Srivastava, P.L. Srivastava, Pratap N. Srivastava, R.S.L. Srivastava, Satya P. Srivastava, Siya Ram Srivastava, Sıya Ram Srivastava, Sushil K. Srivastava, T. N. Srivastava, Tej Narain Srivastava, U.S. Srivastava, V.K. Stone, Marshal H. Strang, J.A. Subbaraya, B. H. Subbarayappa, B.V. Sudarshan, EC George Sugahara, Tsutomu Sukhatme, P.V. Sulaiman, S.M. Sundaram, A.K. Sur, N.K. Swarup, Gopal Swarup, Govind Swarup, Krishna Swaminatha, M.S. Swift, Hewson Hoyt Szabo, T. Talukdar, S. Nath Talukder, Geeta Talukder, Geeta
Tandon, Amar Nath
Tandon, Bhup Kishore
Tandon, H.D.
Tandon, M.P.
Tandon, R.S.
Tandon, Rakesh K. Tandon, Ram N. Tandon, Sant P. Tata, J.R.D. Thakare, Vinayak K. Thakur, Chandrika Thapliyal, Jagdamba P. Thind, K.S.

Thottappilly, George Tiagi, Yagya Datta Tikader, B.K. Tikader, B.K.
Tiselius, A.
Titchmarsh, E.C.
Tiwari, R.D.
Tiwari, S.D.N.
Townes, Charles Hard
Trehan, Surindar Kumar
Tripathi Radhey Shyam
Tricathi Demonstr Tripathi, Ramesh C. Udayakumar, Makarla Vachaspati Vago, Constantin Valdiya, Khadg Singh Varadachari, V.V.R. Varma, Dharmendra S. Varma, Ram Kumar Venkatachala, B.S.R. Venkataraman, G.S. Venkataraman, Lalgudi V Verma, Ajit Ram Verma, B.G. Verma, D.N. Verma, G.S. Verma, Jeevan Prakash Vij, S.P. Vijayaraghavan, T. Vishwanath, B.N. Viswamitra, M.A. Wadia, D.N. Waksman, S.A. Wallace, Philip Russell WASIR, Harbans Singh Weil, Andre West, W.D. Wever, Gregorio Woese, Carl R. Wolfendale, Sir Arnold W. Yadav, J.S.P. Yosida, T.H. Zaheer, S.H. Zaidi, Sibte Hasan

## Scientific Contributions of Fellows Elected in Year 2023

**ACHARYA, Narottam** (b. 1974), PhD, Scientist F, Infectious Disease Biology, Institute of Life Sciences, Bhubaneswar, for his significant contribution in the area of DNA replication in eukaryotes and vaccine development against fungal pathogen *Candida albicans*.

**AGARWAL, Vivek** (b. 1964), PhD, FASc, FNA, FNAE, Professor, Department of Electrical Engineering, Indian Institute of Technology Bombay, Mumbai, for his contributions to power electronics systems and photo voltaics.

**ANILKUMAR, Thapasimuthu Vijayamma** (b. 1961), PhD, FNAAS, Scientist G & Head, Division of Experimental Pathology, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram, for pioneering a technology for isolating extracellular matrix of mammalian gall bladder and preparing tissue-graft scaffolds, for human and veterinary regenerative medical applications.

**ARVIND** (b. 1968), PhD, Professor & Vice Chancellor, Punjabi University, Patiala, for his outstanding works on quantum optics and continuous variable quantum cryptography. He along with his collaborators performed first quantum computing experiment in India. He has designed new protocols for secure quantum communication and has intensively worked on popularisation of science. He also leads the photonics vertical of QuEST, a national program of DST dedicated to quantum science and technology.

**ASIF, Mehar Hasan** (b. 1973), PhD, Senior Principal Scientist, CSIR-National Botanical Research Institute, Lucknow, for her works on fruit ripening and plant secondary metabolite synthesis using bioinformatics and computational biology. She has extensively worked to identify structural and regulatory genes in Banana, Mango and tomato specifically involved in ripening. She identified various molecular components for secondary metabolic biosynthesis in several medicinal plants, fibre quality and drought responsiveness in cotton and arsenic tolerance in rice.

**BAJAJ, Avinash** (b. 1980), PhD, Professor, Regional Centre for Biotechnology, Faridabad, for his work on improved delivery of chemotherapeutic drugs and development of small bioactive molecules for combining multidrug resistant bacterial pathogens.

**BASU**, Anupam (b. 1957), PhD, FNAE, Pro Vice Chancellor, Sister Nivedita University, New Town, West Bengal, for his outstanding contributions in low cost embedded systems, assistive living and natural language processing.

**BATRA, Punita** (b. 1970), PhD, Professor H, Mathematics, Harish-Chandra Research Institute, Chhatnag Road, Jhunsi, Prayagraj, for her outstanding contribution in the theory of Lie Algebras. She gave complete classification of almost compact real forms on affine Kac –Moody Lie Algebra which have been much cited.

**BHAGAVATULA, Lakshmi Vara Prasad** (b. 1969), PhD, FASc, Director, Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru, for his major contributions in the field ofsynthesis of metal nanoparticles and their assemblies and applications of soft and nano-materials

**BHANDARI, Rashna** (b. 1972), PhD, Staff Scientist VII, Centre for DNA Fingerprinting and Diagnostics, Hyderabad, for her significant contribution towards understanding the chemistry and biology of polyphosphates and establishment of the first mouse model to study polyphosphates.

**BHASKARAN, Prasad Kumar** (b. 1970), PhD, Professor & Head, Department of Ocean Engineering & Naval Architecture, Indian Institute of Technology Kharagpur, Kharagpur, for his significant contributions in the field of costal oceanography specifically regional wave prediction model for North Indian Ocean, tsunami modelling, tropical cyclones induced storm surges and coastal flooding

**BISWAS, Debabrata** (b. 1974), PhD, Senior Principal Scientist, Molecular Genetics Division, Indian Institute of Chemical Biology, Kolkata, for his contribution on understanding of SEC mediated transcriptional regulation and its implication on mixed lineage Leukemiafusion protein mediate leukemogenesis.

**BISWAS**, Ranjit (b. 1969), PhD, Senior Professor, SN Bose National Centre for Basic Sciences, Kolkata, for successfully implementing the interplay between experiments, formulation of theory, and computer simulations and making noteworthy contributions in several areas, including deep eutectic solvents and ionic liquids.

**CHADA, Raji Reddy** (b. 1973), PhD, Chief Scientist & Chair, Department of Organic Synthesis & Process Chemistry, Indian Institute of Chemical Technology, Hyderabad, for his outstanding contributions in organic synthesis towards human healthcare. The methodologies developed by him on the reactive sp-hybridized carbon resulted in diverse molecules having relevance to both fundamental and applied chemistry.

CHANDRA, Poonam (b. 1975), PhD, FASc, Associate Professor, National Centre for Radio Astrophysics, Tata Institute of Fundamental Research, Pune, (currently at National Radio Astronomy Observatory, 520 Edgemont Road, Charlottesville VA 23903, USA), for her fundamental contributions in the field of electromagnetic counterparts of gravitational waves. She has contributed to the study of magnetic massive stars and discovered a rare Cyclotron Maser Emission (ECME) in them.

**CHATTOPADHYAY**, **Buddhadeb** (b. 1979), PhD, Associate Professor, Centre of Biomedical Research, Lucknow, for seminal contributions towards the development of metal-catalyzed C-H borylation reaction via catalyst engineering to make high-valued N-heterocycles.

**CHATTOPADHYAY, Kalyan Kumar** (b. 1963), PhD, Professor & Head, Department of Physics, Jadavpur University, Kolkata, for his innovative contributions in the areas of designing novel p-type transparent conducting oxides with band engineering and anionic site doping. His in-depth research on the tunablephotoluminiscence (PL) from functionalized graphene quantum dots explained the origin of the tunable PL emission from such system.

**CHATTOPADHYAY, Krishnananda** (b. 1970), PhD, Chief Scientist & Head, Structural Biology & Bioinformatics Division, Indian Institute of Chemical Biology, Kolkata, for his significant studies on the early and unexpected events of protein conformation and conformational transition and their implications in model neurogenrative and infectious diseases.

**DAS, Amitava** (b. 1973), PhD, Senior Principal Scientist, Department of Applied Biology, CSIR-Indian Institute of Chemical Technology, Hyderabad, for his phenomenal work in the area of stem cell biology for regenerative

medicines.One of his research findings have led to the development of porous polyethylene glycol polyurethane scaffolds for stem cell delivery for tissue repair.

**DATTA, Simanti** (b. 1974), PhD, Professor, Centre for Liver Research, School of Digestive & Liver Diseases, Institute of PG Medical Education & Research, Kolkata, for her significant contribution in understanding the Biology of hepatitis B virus and the complex path physiology mechanism. Her work has great potential to be translated into effective therapy for hepatitis B which is still incurable.

**DATTA, Sourav** (b. 1979), PhD, Associate Professor, Department of Biological Sciences, IISER Bhopal, Bhopal, for his contribution to the understanding of plant-environment interaction. His work focuses on characterization of BBX transcription factors and their role in light signaling. He is also engaged in the characterization of MATE transporters for their role in mediating low phosphate and aluminium stress tolerance.

**DEY, Abhishek** (b. 1977), PhD, FASc, Senior Professor, School of Chemical Sciences, Indian Association for the Cultivation of Science, Kolkata, for his seminal contributions towards understanding the reactivity of metalloenzymes involved in catalyzing chemical transformations which require multiple electrons and protons electrochemically using a combination of synthesis, electrochemistry, spectroscopy and electronic structure calculations.

**DUTTA, Sourabh** (b. 1967), MD, PhD, FAMS, Professor of Pediatrics, Neonatology Unit, Department of Pediatrics, PGIMER, Chandigarh, for his major contribution to early diagnosis and effective treatment of neonatal sepsis. His focused research on neonatal sepsis has great potential to reduce morbidity and mortality of this disease with major public health significance.

**GAUNS, Mangesh Uttam** (b. 1970), PhD, Senior Principal Scientist & Head, Biological Oceanography Division, National Institute of Oceanography (NIO), Goa, for his comprehensive study on marine biodiversity and biogeochemistry of the northern Indian Ocean (NIO) which showed how biophysical coupling changes the food web dynamics and carbon cycling seasonally.

**GEORGE, Subi Jacob** (b. 1977), PhD, FASc, Professor & Head, NCU & SAMat, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, for his remarkable impact on the understanding of the mechanism of supramolecular polymerization at different scales, and the application of supramolecular organic materials.

**GHOSH, Subimal** (b. 1979), PhD, Institute Chair Professor, Department of Civil Engineering, Indian Institute of Technology Bombay, Mumbai, for his contributions in hydrometeorology that provide fresh perspective on land-atmosphere interaction in the complex Indian Summer Monsoon System.

**GHOSH, Sumit** (b. 1980), PhD, Senior Principal Scientist, Plant Biotechnology Division, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow, for his contribution towards novel biosynthetic pathways and discovery of a catalogue of about 20 key enzymes that catalyze crucial reactions in biosynthesis of medically important compounds. Besides, he has provided insights into the molecular basis of the fruit ripening process.

**GOGATE, Parag Ratnakar** (b. 1975), PhD, FNAE, Professor, Department of Chemical Engineering, Institute of Chemical Technology, Mumbai, for his

seminal contribution towards design and scale up strategies of cavitation reactors.

**GONGOPADHYAY, Krishnendu** (b. 1978), PhD, Professor, Department of Mathematical Sciences, Indian Institute of Science Education and Research Mohali, Sector 81, SAS Nagar, for his notable contribution in the interface between Group Theory and Geometry, dealing with a broad range of issues on the theme, including classification of conjugacy classes, Symmetry groups, classification of isometries etc.

**GOPALAN, Jagadeesh** (b. 1966), PhD, FASc, FNAE, Professor, Department of Aerospace Engineering, Indian Institute of Science, Bangalore, for his seminal contributions in hypersonics and shock dynamics.

**GULATI, Sheffali** (b. 1971), MD, FAMS, Professor, Faculty I/C, Centre of Excellence & Advanced Research for Childhood Neuro developmental Disorders, Department of Pediatric, AIIMS, New Delhi, for significantly contributing to the understanding of developmental neurology and epilepsy research in India. The core area of contribution is neuro-muscular disorders.

**GUPTE, Neelima (Madhukar)** (b. 1956), PhD, Emeritus Professor, Department of Physics, IIT Madras, Chennai, for her significant contributions in the area of Nonlinear Dynamics and Chaos, wherein diverse issues pertaining to congestion in communication networks to multifractality in birdsong were addressed.

**JAIN, Deepali** (b. 1975), MD, Professor, Department of Pathology, All India Institute of Medical Sciences, New Delhi, for generating novel method of productive biomarker testing in resource constrained settings by containing conventional cytopathology with molecular technique using liquid biopsy specimens. This has led to novel understanding and more procure management of Lung tumors.

**JHA, Gopaljee** (b. 1980), PhD, Scientist V, National Institute of Plant Genome Research, New Delhi, for contributing to the understanding of molecular mechanism of interaction between rice and sheath blight disease causing fungal pathogen. His work on isolation of rice-associated bacterium that feeds on fungi has received wide appreciation.

JHALA, Yadvendradev V. (b. 1962), PhD, FNA, Former Senior Professor, Wildlife Institute of India, Dehradun; Res. Chandrabhuvan, Darbargarh, Wadhwan City, Gujarat, for designing and supervising the monitoring system of tiger, leopard, and other wildlife species in the Indian subcontinent; particularly ecological studies using satellite telemetry, and conservation genetics which have enhanced our understanding of the behavioural ecology. KANEKAR, Nissim (b. 1973), PhD, FASc, Professor H, National Centre for

Radio Astrophysics, Tata Institute of Fundamental Research, Pune, for his significant contributions to the studies of galaxy evolution and star-forming galaxies during the epoch of galaxy assembly. His careful astronomical investigations have placed the strongest limit on possible secular variation of the fine structure constant and the electron-to-proton mass ratio.

**KANUNGO, Suman** (b. 1967), PhD, Scientist F, Division of Epidemiology, National Institute of Cholera & Enteric Diseases, Kolkata, for his significant contribution towards estimating disease burden and prevention of enteric infectious diseases, particularly Cholera. His work on Cholera and its vaccine has been truly translational with potential to substantially reduce its related morbidity and mortality.

**KAPUGANTI, Jagadis Gupta** (b. 1980), PhD, FNAAS, Scientist V, National Institute of Plant Genome Research, New Delhi, for his significant contribution in nitric oxide (NO) biosynthesis and signaling in plants. He has uncovered the role of mitochondria alternative oxidase in NO biosynthesis. In addition, he has investigated the role of this NO pathway in seed germination, plant metabolism and defense pathway.

**KAPUR, Manmohan** (b. 1975), PhD, Professor, Department of Chemistry, IISER Bhopal, Bhopal, for developing several innovative methodologies for C-H and C-C functionalizations via transitional metal catalysis for site-selective and catalyst-controlled functionalization of pi-deficient N-heterocycles.

**KARTHIKEYAN, Ganesan** (b. 1970), MD, Professor of Cardiology, Cardiothoracic Sciences Centre, All India Institute of Medical Sciences, New Delhi, for his contribution to the management of rheumatic heart disease and mechanical heart valve thrombosis. His work has impactful management of cardiovascular disease.

**KEMPAIAH, Kemparaju** (b. 1964), PhD, Professor, Department of Studies in Biochemistry, University of Mysore, Mysuru, for his significant contribution in the area of snake venom pharmacology, platelet and neutrophil biology. He demonstrated that NETosis is the key mechanism of viper bite induced sustained tissue decay which can be alleviated by deoxyribonuclease treatment.

KHARWAR, Ravindra Nath (b. 1967), PhD, Professor, CAS in Botany, Institute of Science, Banaras Hindu University, Varanasi, for significant contributions in the field of structural and functional diversity of microbial endophytes. He evaluated the neem tissues for endophytic microbial suites with a maiden report on actinobacteria. He has reported functionalized antimicrobial, antioxidant and anticancer compounds from fungal endophytes. Prof. Kharwar also utilized the potential of fungal endophytes in plant growth by alleviating the salt and drought stresses.

**KURPAD**, **Anura Viswanath** (b. 1959), MD, PhD, FASc, FAMS, FRCP, Professor, Department of Physiology, St. John's Medical College, Bengaluru, for his primary contribution to the field of human mutation using isotopes. This has led to generation of prime evidence towards defining protein and amino acid requirement for human consumption.

**LAISHRAM, Rakesh Singh** (b. 1979), PhD, Scientist F, Rajiv Gandhi Centre for Biotechnology, Trivandrum, for his significant contribution in our undertaking of eukaryotic post- transcriptional gene regulation. Specially his work has discovered the novel regulatory functions of non-genomical polyadenylation in diverse biological processes.

**LUTHRA, Kalpana** (b. 1965), PhD, FAMS, Professor, Department of Biochemistry, All India Institute of Medical Sciences, New Delhi, for her studies on correlation of HIV virus in the human host, particularly in the pediatric population. This along with her work in generating broadly neutralizing human monoclonal recombinant antibodies provides new insight into therapeutic antibodies.

**MALL, Rajesh Kumar** (b. 1965), PhD, Professor, Dean & Head, IESD, Banaras Hindu University, Varanasi, for his seminal contributions in climate science for deciphering climatechange impacts on extreme weather events, crops, water, and human health and framing resilient adaptation strategies.

**MANDAL**, **Bhabani Prasad** (b. 1968), PhD, Professor, Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, for his far-

reaching contributions in many areas including non-Hermitian but PT symmetric Hamiltonian and Finite Field BRST transformations in Gauge Theories. In addition, he has devoted special efforts to make STEM education accessible to Visually Impaired Students.

**MEHRA, Mani** (b. 1979), PhD, Professor, Department of Mathematics, Indian Institute of Technology Delhi, Hauz Khas, Delhi, for his impressive contributions in developing wavelet based schemes to solve partial differential equations on topologically complicated domains.

**MITRA**, **Rahul** (b. 1966), PhD, FNAE, Professor (HAG), Department of Metallurgical & Materials Engineering, Indian Institute of Technology Kharagpur, Kharagpur, for his seminal contributions towards processing structure property relation in refractory intermetallic alloys.

**MUKHERJEE, Srabani** (b. 1964), PhD, Scientific G, Department of Molecular Endocrinology, National Institute for Research in Reproductive and Child Health, Mumbai, for her immense contribution in understanding the molecular mechanism involved in the pathophysiology of polycystic ovary syndrome (PCOS). She has demonstrated dysregulation on ovarian angiogenesis in women with PCOS.

**MUKHERJI, Suparna** (b. 1966), PhD, FNAE, Professor, Environmental Science and Engineering Department, IIT Bombay, Mumbai, for her outstanding contributions in water and waste water treatment and environmental microbiology.

**MUKHOPADHYAY, Achintya** (b. 1968), PhD, Professor, Department of Mechanical Engineering, Jadavpur University, Kolkata, for his outstanding contributions on reactive system design and strategies for early detection and control of failure in gas turbines.

**MYLAVARAPU, Sivaram Venkata Satya** (b. 1974), PhD, Professor, Regional Centre for Biotechnology, Faridabad, for his contribution towards discovery of novel molecular mechanism that regulates cell division and the intercellular communication in animal cells. His work has been published in the advanced and high impact journal of cell biology.

**NANDI, Ashis Kumar** (b. 1967), PhD, Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi, for his significant contributions to the understanding of Immunity Development in Plants. His group identified novel proteins that are epigenetic regulator of infection memory in plants.

NITTALA, Chalapathi Rao Venkata (b. 1969), PhD(Hyd.), PhD(UK), FASc, FNA, Professor, Department of Geology, Institute of Science, Banaras Hindu University, Varanasi, for his original and path breaking fundamental contributions on the petrogenetic and petrophysical aspects of kimberlites, lamproites, lamprophyres, their entrained xenoliths and mafic dykes which enriched understanding of the mantle processes through geological time.

**PANDEY, Jitendra** (b. 1962), PhD, Professor, Department of Botany, Institute of Science, Banaras Hindu University, Varanasi, for his innovative research contribution on Ganga River Ecology with special reference to ecological response index for simultaneous prediction of eutrophy and metal pollution; river ecosystem resilience index as a tool for river management.

PATRA, Abhijit (b. 1979), PhD, Associate Professor, Department of Chemistry, Indian Institute of Science Education & Research Bhopal, Bhopal, for his seminal contributions at the interface of supramolecular chemistry, polymers, and physical chemistry with significant impact in the area of functional materials.

**PENMATSA**, **Aravind** (b. 1982), PhD, Associate Professor, Molecular Biophysics Unit, Indian Institute of Science, Bangalore, has contributed in the area of Pharmacology especially role of secondary active transporter involved in the neurotransmission during multi drug efflux. He has made significant contribution in the area of understanding the neurotransmitter during antibacterial compound movement across lipid membranes and their block to affect neurological disorder.

**RAJADURAI, Chandrasekar** (b. 1973), PhD, FASc, FRSC, Professor, School of Chemistry, University of Hyderabad. Hyderabad, for his original contributions by developing organic nano/micro scale photonic materials and technology for use as optical-wave guides, optical resonators, nonlinear optical lasers, and optical circuits.

**RAKSHIT, Sujay** (b. 1970), PhD, FNAAS, Director, ICAR-Indian Institute of Agricultural Biotechnology, Ranchi, for his keen interest and involvement in genetic enhancement of crops like maize, sorghum, millets, rice, pea, and chickpea using both conventional and molecular tools. He has also been involved in the development of several varieties in maize hybrids and a forage sorghum variety.

**RAMAMURTHY, P. Chandrashekarapura** (b. 1973), PhD, Professor, Department of Materials Engineering, Indian Institute of Science, Bengaluru, for his outstanding contributions towards developing organic photovoltaics, sensors and ultra-thin EMI shivelding coatings.

**RAY CHAUDHURI, Shaon** (b. 1973), PhD, Professor, Department of Microbiology, Tripura University, Tripura West, for her contribution towards developing various processes of waste water treatment and products through microbial greening with the focus to reduce, reuse and recycle for environmental substances.

**RAY, Manas Chandra** (b. 1963), PhD, FNAE, Professor (HAG), Department of Mechanical Engineering, Indian Institute of Technology Kharagpur, Kharagpur, for his outstanding contributions in smart composite structures, nanostructure and strain gradient elasticity.

**ROY, Dipanjan** (b. 1977), PhD, Associate Professor, School of AIDE, IIT Jodhpur, Karwar, Rajasthan, for using cutting edge technologies of brain imaging and mapping to study. The connectivity of different regions of the brain during normal development and life course, as well as in neurodevelopmental disorders.

**SAHOO**, **Bijaya Kumar** (b. 1977), PhD, Professor, Physical Research Laboratory, Ahmedabad, for his novel contributions to the atomic physics that has made it possible for reliable calculations of isotope shift constants of atomic systems and for identifying very neutron rich magnetic nuclei. His calculations have set new limits for the chromo electric dipole moment of the combined up- and down- quarks.

**SAMANTA, Luna** (b. 1970), PhD, Professor, Redox Biology and Proteomics Laboratory, Department of Zoology, School of Life Sciences, Ravenshaw University, Cuttack, for significant contribution to the field of male infertility and contraception, particularly the role of active oxygen metabolism in testicular development, aging and impairment of sperm function.

**SARKAR, Jaydeb** (b. 1976), PhD, Professor & Head, Statistics-Mathematics Unit, Indian Statistical Institute, 8th Mile, Mysore Road, RVCE Post, Bangalore, for his outstanding contributions in the area of operating theory,

especially on the theme of the Arveson curvature invariant and characterization of invariant subspaces of a magnificent class of operators.

**SENGUPTA**, **Debarka** (b. 1983), PhD, Associate Professor, Department of Computational Biology, Indraprastha Institute of Information Technology, New Delhi, for his immense contribution towards single cell genomics for identifications of rare-cell type discovery and integrating it with microfluids and artificial intelligent to detect tumor cells of rare phenotypes from patient blood. His work has revealed unique cancer mutations that bear clinical relevance.

**SHARMA**, **Archana** (b. 1964), PhD, FNAE, Director, Outstanding Scientist, Beam Technology Development Group, Bhabha Atomic Research Centre, Mumbai, for her excellent techno scientific progress in the field of electron beam accelerators, plasma, laser, and pulsed power technologies.

**SINGH, Divya** (b. 1975), PhD, Senior Principal Scientist, Division of Endocrinology, Central Drug Research Institute, Lucknow, for her significant contribution in the understanding of bone formation and fracture-repair process. She has translated her findings and a few of the lead mutations are under the clinical trial.

**SINGH, Ravindra Pratap** (b. 1964), PhD, Senior Professor & Head, Atomic, Molecular & Optical Physics Division, Physical Research Laboratory, Ahmedabad, for his pioneering contribution on experimental quantum optics and quantum cryptography. His outstanding experimental work includes indigenous realisation of free-space quantum key distribution. He has also contributed enormously in India's national activities in the domain of quantum communication.

**SINGHAL, Rekha Satishchandra** (b. 1962), PhD, FNA, Professor, Food Engineering and Technology Department, Institute of Chemical Technology, Mumbai, for her pioneering work on the amalgamation of basic and applied sciences in food chemistry. She developed microencapsulation technologies of sensitive food components and fortification of foods with iron and Vitamin B12 and D. She handled many industrial projects and consultancies.

**SUNDAR, Durai** (b. 1973), PhD, Institute Chair Professor, Department of Biochemical Engineering & Biotechnology, Indian Institute of Technology Delhi, New Delhi, for his contribution to natural product research for discovering biologically active compounds, in designing/analyzing genome engineering tools to develop their ability to quantitate/visualize genome editing outcomes and applications of Artificial Intelligence/Machine Learning in Biomedical Research.

**SURESH, KG** (b. 1968), PhD, Professor, Department of Physics, IIT Bombay, Mumbai, for his outstanding significant contribution to intermetallic compounds including magnetic, spintronic and topological aspects, with the aim of identifying novel, potential materials for applications such as magnetic refrigerators, sensors and spintronics specifically magnetocaloric materials and multifunctional Heusler alloys. He is well known for his dedicated teaching.

**TANDON**, **Vibha** (b. 1968), PhD, Professor, Special Center for Molecular Medicine, Jawaharlal Nehru University, New Delhi, for her significant contributions in the area of medicinal chemistry. One of the molecules from her research group has been identified that exerts radioprotection of the normal cells during radiotherapy of tumor patients derived xenografts.

353

**UPADHYAY, Ranjit Kumar** (b. 1967), PhD, Professor (HAG) & Head, Department of Mathematics & Computing, Indian Institute of Technology (Indian School of Mines), Dhanbad, for his outstanding contribution in the field of non-linear differential equations. He proposed a mathematical model on the issue why chaos is rarely observed in natural population. For the first time, he provided the analytic proof for finite time blow-up of Lp norm in ecological models for large initial data.

**VERMA, Praveen Kumar** (b. 1966), PhD, Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi, for his outstanding research focusing on interactions between plant and fungal pathogens. His work has been instrumental in elaborating fungal virulence factors and host resistance function.

YADAV, Bal Chandra (b. 1970), PhD, Professor & Head, Department of Physics, Babasaheb Bhimrao Ambedkar University, Lucknow, for his outstanding contribution to the science and technology of sensor using nanomaterials and devices. He has used various oxide materials, conducting polymers and perovskite materials to detect important gases and other parameters.

YADAV, Om Parkash (b. 1963), PhD, FNA, FNAAS, Director, Central Arid Zone Research Institute, Jodhpur, for his work to understand the adaptive mechanism of crops to drought and water limited environments to develop stress-adapted cultivars of pearl millet, maize and peanut. The results led to identification of drought tolerance and disease resistance and release of 11 commercial cultivars.

YADAVA, Devendra Kumar (b. 1966), PhD, FNAAS, Assistant Director General (Seed), Indian Council of Agricultural Research, New Delhi, for highly significant contribution in oilseed brassica breeding and seed distribution system; released 22 varieties and developed generic resources for pathogen resistance, thermo-tolerance and yield. He has developed unique genetic resources by introgressing genes for resistance to Sclerotinea stem rot, Alternaria blight and thermo tolerance through inter-generic somatic hybridization.

### Science & Society

**GUPTA, Nivedita** (b. 1974), PhD, Scientist F & In-charge, Virology Unit, E&CD Division, Indian Council of Medical Research, V. Ramalingaswami Bhawan, Ansari Nagar, New Delhi, for her significant contribution in viral research and diagnosis to effectively combat epidemics and pandemics of viruses including high risk pathogens like Nipah, Ebola etc. She has worked tirelessly for over the past 7 years to establish a network of 132 virus research and diagnostic laboratories, which has made India self-reliant for timely detection of viral disease outbreaks and diagnostic testing including COVID-19.

**KAILASAVADIVOO, Sivan** (b. 1957), PhD, FNAE, Former Secretary to Gol, Department of Space & Former Chairman, ISRO, ISRO Headquarters, Antariksh Bhavan, New BEL Road, Bangalore, for being the mission architect for 104 satellites launched in a single mission of PSLV. He led the flight testing of SCRAMJET engine and technology demonstration reusable launch vehicle (RLV-TD). He has established Mission Synthesis and Simulation Facility, Parallel computing facility and hypersonic Wind Tunnel Facility for ISRO's launch vehicle program.

**SOMANATH, Sreedhara Panicker** (b. 1963), ME, FNAE, Secretary to Gol, Department of Space & Chairman, Indian Space Research Organization, ISRO Headquarters, Antariksh Bhavan, New BEL Road, Bangalore, for his outstanding contribution in the area of space technology especially system engineering of launch vehicle. Under his able leadership ISRO has made a very successful landing on Moon on August 23, 2023, which has written the successful history of India's Moon Mission making the country's entry into the World leaders in space program.

## Scientific Contributions of Foreign Fellows Elected in Year 2023

ATTFIELD, John Paul (b. 1962), DPhil, FNA, FRS, FRSE, FRSC, Chair, Centre for Materials Science at Extreme Conditions, University of Edinburgh. King's Building, Mayfield Rd., Edinburgh, UK, for his seminal contribution in the field of Chemistry-structure-property relationships in inorganic materials, typically transition metal oxides, nitrides of importance for electronic, magnetic and energy properties. He solved controversial 70-year old problem of how electrons order at low temperatures in original magnetic material magnetite. He is a highly decorated chemist, which include Fellow of Royal Society (2014) and Foreign Fellow, Indian National Science Academy (2019). CHORGHADE, Mukund Shankar (b. 1953), PhD, DSc, FRSC, President & CSO THINQ Phamra/Adjunct Research Professor, Harvard University, 7 Jones Court, Hillsborough, New Jersey, USA, for his manifold contributions in many areas of Development including Process Chemistry, Development, Industrial Chemistry and Good Laboratory Practices. He is currently helping many Indian universities establish key partnerships and faculty- faculty, student exchanges and faculty sabbaticals with the universities in the USA. He is an elected fellow in prestigious academic societies and has demonstrated skills in management of academic collaborations, global development of new chemical entities.

CHOWDARI, B.V.R. (b. 1943), PhD, DLitt(hc), DSc(hc), Senior Executive Director (Strategic India and Initiatives), Office of the Provost, National University of Singapore. He is the internationally acclaimed Materials Scientist with over 450 publications, 26000 citations, and H-index 85. He is a Fellow of the Singapore National Academy of Sciences (SNAS), former President of the Asian Society for Solid State Ionics-, the Materials Research Society of Singapore (MRS Singapore)-, and the International Union of Materials Research Societies (IUMRS). His research interests include the development of electrode and electrolyte materials for energy storage applications including Li-ion Batteries. He has nurtured and interacted with several research groups on Solid State Ionic Materials in India and abroad. As the lead person of the NUS - India Initiative and NTU - India Connect programs, he facilitated strong research collaborations between the Indian Universities and Institutes of Higher Learning through the exchange of hundreds of research interns and faculty leading to joint degree programs. He took lead in initiating and organizing Singapore-India Hackathon which brought both Governments and people closer. He is bestowed with Honorary degrees, the title Officer in the Order of Academic Palms by French Government, and Membership of the Board of Management of number of

**ECKERT, Jurgen** (b. 1962), PhD, FNAE, Director, Erich Schmid Institute of Materials Science Leoben, Austria, for his outstanding contributions in non-equilibrium processing, disordered systems, amorphous and Nano structured materials and structure – property correlations.

GHOSH, Sankar (b. 1959), PhD, Professor & Chairman, Dept. of Microbiology & Immunology, Columbia University, College of Physicians &

Surgeons, New York, for his seminal work in understanding the regulation of nuclear Factor-Kappa B (NF-Kappa B), a transcription factor that plays a critical role in regulating the expression of a large number of genes involved in the mammalian immune systems. He is an elected member of the National Academy of Sciences USA (2021) and National Academy of Medicine USA (2022).

## SUBJECTWISE LIST OF HONORARY FELLOWS, FOREIGN FELLOWS AND FELLOWS

Agricultural Sciences
(Agriculture, Animal Husbandry, Fisheries, Forestry, Agricultural Toxicology, Soil Sciences, Plant Protection, Post Harvest Technology, Agicultural Engineering)

Name	Specialization
ABROL, Inder Pal ACHARYA, Chuni Lal	Soil Science/Agroforestry/Crop Production. Soil Physics/Soil Conservation/Water
ACHARYA, Radha Mohan	Management. Animal Genetics & Breeding/Biometrics/ Agriculture Research Management.
ADHYA, Tapan Kumar	Environmental Microbiology/Climate Change and Agriculture, Soil Microbial Diversity.
AGGARWAL, Pramod Kumar	Crop Ecology/Simulation Modelling/Environmental Impact Assessment. and Biotechnology.
AYYAPPAN, Subbanna BAGYARAJ, Davis Joseph	Fisheries/Aquaculture/Aquatic Microbiology. Agricultural Microbiology.
BALYAN, Harindra Singh BANERJEE, Rintu	Genetics/Plant Breeding/Crop Biotechnology. Food Biotechnology/Enzymology/Bio-Fuel and Bio-Energy.
BARANWAL, Virendra Kumar BHARGAVA, Suresh Chandra	Plant Pathology/Virology. Plant Physiology/Crop Physiology/Physiology of Flowering.
BHATTACHARYA, Ramcharan	Plant Molecular Biology and Agricultural Biotechnology.
BHOJWANI, Sant Saran	Plant Tissue Culture/Reproductive Biology of Flowering Plants/Plant Growth and Development.
BISHT, Naveen Chandra	Plant Secondary Metabolism/Plant G-proteins Signaling/ Plant Molecular Biology and Biotechnology.
BRUNTDLAND, (Mrs) Gro Harlem CHAKRABORTY, Supriya	Environment. Plant Virology/Biology of Plant-Virus Interactions/Plant Biotechnology.
CHATTERJEE, Ranjit Kumar	Parasitic Diseases/Parasite Chemotherapy/Parasite Immunobiology.
CHAUDHARY, T.N. CHERUKUMALLI, Srinivasa Rao	Soil Science. NRM/Soil Carbon Sequestration/Dryland Production Systems/Climate Change/ Contingency Crop Planning/Agriculture
CHHUNEJA, Parveen	Research Management/Climate Policy. Molecular Genetics/Genomics and Cytogenetics.

CHINNASWAMY, A. Food Engineering/Chemical Engineering/Food Genetics/Crop Improvement/Biotechnology. CHOPRA, Virender Lal DADARWAL, Kalu Ram Soil Microbiology - Biological Nitrogen Fixation. DAS, Punyabrata Fisheries and Aquaculture including Fish Genetics. DHAWAN, Vibha Plant Biotechnology. GHOSH, Probir Kumar Agronomy/Conservation Agriculture and Carbon Sequestration/Soil Water Conservation/Fodder Research. Parasitology/Immunology/ Epidemiology. GILL, Bakhshish Singh Cytogenetics/Genetics & Plant Breeding/Crop GUPTA, Pushpendra Kumar Biotechnology. Soil Science/Land Reclamation, Use of Low GUPTA, Raj Krishan Quality Waters, Conservation Agriculture and Farmer Participatory Adaptive Research. HEGDE, Narayan Ganapa Socio-Forestry and Rural Development. JAIN, Hari Krishan Cytogenetics/Plant Breeding/Agricultural Research Policy. Grain Storage/Grain Drying/Grain Quality JAYAS, Digvir Singh Monitorina. JHA, Gopaljee Plant Protection/Molecular Microbiology/Plant Sciences. JOSHI. Arun Kumar Agricultural Sciences. JUWARKAR, Asha Ashok Remediation of contaminated ecosystems/Wastewater reuse and recycle/Environmental Biotechnology/ Persistant Organic Pollutants. Plant Pathology/Agricultural Microbiology/ KALRA, Alok Medicinal and Aromatic Plants. KHARE, Mahendra Nath Plant Pathology/Seed Pathology/Soil-borne Diseases. KHUSH, Gurdev Singh Genetics/Plant Breeding/Biotechnology. KRANZ, Jurgen Epidemiology of Plant Diseases/Tropical Plant Diseases. KUMAR, Bhaskaran Pillai Mohan Agroforestry/Forest Ecology/Silviculture. Fisheries, Aquaculture Genetics LAKRA, Wazir Singh Molecular Biology/Microbiology. LAL, Rup MATHUR, Pramod Behari Veterinary Parasitology. Soil Science/Agricultural Chemistry. MISRA, Sheo Gopal MOHAPATRA, Trilochan Molecular Plant Breeding and Agricultural Genomics. Abiotic Stress of Plant/Molecular Biology of MONDAL, Tapan Kumar Rice and Tea/ Wild Species of Plant. MUKHERJEE, Prasun Kumar Trichoderma/Fungal Genetics/Secondary

Metabolism.

Nanotechnology.

and Mitigation.

MUKHERJI, M.K.

NAUTIYAL, Chandra Shekhar

NAYAK, Amaresh Kumar

Agricultural Chemistry/Soil Chemistry.

Plant Microbial Interactions/Agricultural Microbiology & Biotechnology.

Crop Natural Resource Management/Carbon Sequestration/ Climate Change: Adaptation

NIRANJANA, Siddapura R.

Plant Protection/Agriculture Biotechnology/

Seed Pathology. Genetics & Plant Breeding/Biotechnology. PANDEY, Suman Kumar Agricultural Biotechnology/Molecular PARIDA, Swarup Kumar Genetics/Molecular Breeding. Plant Breeding/Genetics. PARODA, Rajendra Singh PATHAK, Himanshu Climate Change/Soil Science/Rice-Wheat. PATHAK, Mano Dutta Agricultural Research & Administration. Soil Science/Soil Health/Soil PATRA, Ashok Kumar Biodiversity/Carbon Management Soil Chemistry/Soil Fertility and Plant PATRA, Dharani Dhar Nutrition/Medicinal and Aromatic Plants. PAWAR, Sharad Eknath Grain Legume Improvement (Plant Breeding & Cytogenetics). PENTAL, Deepak Genetic Engineering of Corp Plants, Mustard Breeding. PODILE, Appa Rao Molecular Plant-Microbe Interactions/Microbial Biotechnology in Agriculture. Plant Molecular Biology/Plant Biotechnology. POLUMETLA, Ananda Kumar PRABHU, Kumble Vinod Plant Breeding & genetics/Molecular Breeding/Genomics. PRADHAN, Akshay Kumar Plant Genetics/Plant Breeding/Plant Biotechnology. PRASAD, Rajendra Soil Fertility and Fertilizer use/Cropping Systems/Sustainable Agriculture Agronomy. PUSHPANGADAN, Palpu Biodiversity/Biotechnology/ Ethnopharmacology. Environmental Phycology/Cyanobacterial RAI, Lal Chand Proteomics and Genomics/ Abiotic Stresses. Plant Breeding. RAJARAM, Sanjaya RAKSHIT, Sujay Genetics/Genomics Assisted Crop Improvement/Biotechnology. RAMAMOORTHY, Bharatula Soil Chemistry/Soil Fertility. Genetics/Genetic Resources Management/ RANA, Rai Singh Biodiversity Conservation. RENFRO, Bobby L. Disease Resistance Breeding/Disease Epidemiology and Control /Maize Breeding.

SIDDAVATTAM, Dayananda SIDDIQ, Ebrahimali Abubacker SINGH, Ashok Kumar SINGH, Gyanendra Pratap

Silven, Gyanendia Fratap

SETHUNATHAN, Nambrattil SHARMA, Shashi Bhooshan

SHARMA, Shyam Kumar

SINGH, Kirti SINGH, Kishan SINGH, Mohar Breeding in Rice.
Genetics and Plant Breeding/Wheat
Improvement through Conventional and
Molecular Approaches.
Horticulture/Agricultural Education.
Plant Pathology/Sugarcane Research &
Management.
Pre-Breeding/Plant Genetic Resources/

Biosecurity/Food Security/Plant Health. Genetics & Plant Breeding/Crop

Biotechnology/Plant Genetic Resources.

Soil Sciences/Agricultural Toxicology.

Genetics & Plant Breeding/Molecular

Environmental Microbiology.

Plant Genetics & Breeding.

Genetic Improvement.

SINGH, Narpinder Post Harvest Technology (Food Science & Technology, Cereals and Pulses Grain Quality

and Processing).

SINGH, Udai Pratap Agriculture/Plant Sciences.

Food & Bioprocess Engg. & Technology SINGHAL, Rekha Satishchandra

involving Biomolecules of Food & Allied Areas(Nutraceuticals)/Enzyme Bioprocessing/ Supercritical Carbon Dioxide Extraction of

Biomolecules.

Fish & Fishery Science. SINHA, Vishwa Raman Prasad

SREEMAN, Sheshshayee M. Stress Physiology/Stable Isotope Biology/

Photosynthesis.

Plant Breeding/Molecular Genetics. SRIVASTAVA, Hari Krishna SRIVASTAVA, Jitendra Prasad Genetics/Plant Breeding.

Plant Genetics and Biotechnology. SUJATHA, Mulpuri Rice Biotechnology/Molecular SUNDARAM, Raman M.

Breeding/Genomics.

TILAK, Kolluru VBR Microbiology (Soil/Agril. Microbiology). Agricultural Engineering/Soil and Water TIWARI, Kamlesh Narayan Engineering/Water Resource Engineering.

Genetics & Plant Breeding. VIRK, Daljit Singh

VIRMANI, Surinder Mohan Sustainable Agriculture/Improved Natural

Resource Management. Diseases of Cereals.

Plant Breeding/Drought Tolerance/Natural YADAV, Om Parkash

Resource Management. Agronomy/Cropping-Farming

YADAV, Rattan Lal Systems/Organic Farming. YADAVA, Devendra Kumar

Genetic Improvement of Oilseeds and Pulses/Development of Seed Systems.

ZINGDE, Mahesh Datta Marine Pollution.

WILCOXSON, Roy D.

Aquatic Ecology/Environmental Science/ ZUTSHI, D.P.

Conservation.

## **Animal Sciences**

(Structural, Developmental, Functional, Genetical, Ecological, Behavioural, Taxonomical and Evolutionary Aspects)

Name	Specialization
AGARWAL, Hari Charan AHMAD, Wasim AIN, Rupasri	Insect Physiology & Toxicology. Nematology/Taxonomy/Ecology. Developmental Biology/Stem Cell Biology/ Trophoblast Biology.
ALI, Sher	Personalized and Molecular Medicine/ Molecular Genetics and Comparative Genomics.
ANILKUMAR, T. Vijayamma	Toxicologic Pathology/Laboratory Animal Medicine/Veterinary Pathology.
BABU, Kavita	Invertebrate Genetics/Neurobiology/Molecular Biology.
BALASINOR, Nafisa Huseni BALASUBRAMANIAN, S.	Reproduction/Endocrinology/Epigenetics. Fish Endocrinology and Reproductive Biology/Developmental Biology/Sexual Development.
BAMEZAI, R.N.K.	Genetics/Human Genetics.
BAQRI, Qaiser Husain	Nematology (Taxonomy and Ecology of Plant & Soil Nematodes).
BAQUER, Najma Zaheer	Metabolic Regulation/Aging Brain Diabetes.
BELSARE, Devidas Kisan Rao	General & Comparative Endocrinology/Environmental
	Science/Comparative Biochemistry.
BHATNAGAR, Colonel Vinod K.	Physiology of Reproduction/High Altitude Physiology.
BHATNAGAR, Rakesh	Molecular Biology of Infectious Diseases/Vaccine Development/Bioinsecticides.
BHATTACHARYA, Nirmal Kanti	Physiology/Embryo Technology.
BHATTACHARYA, Samir	Comparative Endocrinology& Molecular Signaling.
BHATTACHARYA, Shailja	Parasitology/Experimental Filariasis/Antifilarial Drug Discovery/Discovery of Antifilarial Drug/Vaccine Targets/Immunomodulation.
BHATTACHARYA, Shelley	Mechanistic, Cellular and Environmental Toxicology.
CHANDRA, Hombe Gowda Sharat CHATTERJEE, Rabindra Nath	Human General Genetics/Evolution. Genetics/Developmental Biology/Sex Determination and Dosage Compensation/Chromatin Biology.
CHATTOPADHYAY, Pronobesh	Pharmacology & Toxicology/Animal Science.
CHATTORAJ, A.N.	Entomology.
CHAUHAN, Manmohan Singh	Biotechnology/Assisted Reproductive
CHOUDHURY, Amalesh Chandra	Technology/Animal Cloning. Protozoology/Parasitology/Marine & Estuarine Biology/ Mangrove & Coral Reef Ecology.
DAS, Asit Baran	Comparative Animal Physiology/Biochemistry.
DAS, Chandi Charan	Cytogenetics/Cytochemistry.

DAS, Gobardhan Infectious Diseases/Genetic Engineering/Immunity.

DASH Aditive Presed Procedure Presedure 
DASH, Aditya Prasad Parasitology and Public Health.

DASH, Madhab Chandra

Ecology (Ecosystems Analysis and Modeling, Soil Biology & Vermitechnology, Population Ecology) and Environmental Science (Environmental Conservation and

Environmental Management, Environmental

Laws, EIA & EMP).

DATTA-MUNSHI, Jyoti Swarup

DEKA, Tarini Charan

Fish & Fisheries/Écology/Cell Biology. Animal Ecology/Entomology/Environmental

Biology.

DESAI, Bhagirath Navinkant Marine Environmental Sciences.

DEV, Vas Genetical/Taxonomical & Evolution/Ecology.
DEVI, P. Uma Radiation Biology/Experimental Oncology.
DHIMAN, Ramesh Chand Vector-Borne Diseases/Climate Change/Early

Warning.

DIGHE, Rajan R. Biochemistry/Molecular

DUBE, Anuradha Endocrinology/Reproductive Biology.
Immunobiology of Parasitic infections.

DUTTA, Sushil Kumar Taxonomy.

GADAGKAR, Raghavendra
GEETHA BALI
Animal Behaviour, Ecology/Evolution.
Behaviour/Neuroethology/Insect

Physiology/Biocontrol.

Genetics.

 ${\it GHASKADBI, Surendra\ Madhukar\ Developmental\ Biology/Cell\ Biology/Evolution.}$ 

GUPTA, Braj Bansh Prasad Endocrinology/Neuroendocrinology/

Reproductive Physiology.

GUPTA, Nawal Kishore Parasitology. GUPTA, Purshottam Das Cell Biology.

HOTI, Sugeerappa Laxmanappa Vector Borne Diseases/Immunology/

Biotechnology.

JAFRI, Ahmad Khalil Fishery Science/Fish

Biochemistry/Aquaculture Nutrition.

JAIRAJPURI, Mohammad Shamim Nematology/Environment/

Taxonomy/Evolution.

JHALA, Y. Vikramsinh Ecology/Conservation Biology/Conservation

Genetics.

JOSHI, Amitabh Evolutionary Genetics/Population Ecology.

KAMBOJ, Kamal Kumar Parasitology.

KAPOOR, Anoop Saran
KAUL, Dipika
Fish Biology/Endocrinology.
Molecular Biology/Cytogenetics.

KAUR, Gurcharan Medical Biotechnology/Neuroscience/Aging.
KHAJURIA, Hitopdeshak Ecology/Taxonomy of Mammals/Wild Life
Conservation/Zoo Management/Museology

Onservation/200 Management/Museoic

(Animals).

KHANNA, Vinay Kumar Neurotoxicology and Neuroprotection.

KHERA, Satendra

Parasitology/Animal & Plant
Nematology/Biology of Birds.

KOUL, Awtar Kishen Cytogenetics.

KUNDU, Gopal Chandra Cancer Therapy/Drug Development/

Nanomedicine Research/Clinical Cancer

Research.

Animal Sciences 363

Cytogenetics/Gene Expression/ Molecular LAKHOTIA. Subhash Chandra Biology/Stress Biology/Ayurvedic Biology. LALORAYA, Malini Reproductive Biology/Endocrinology/Free Radical & Membrane Biology. LOHIYA, Nirmal Kumar Reproductive Biology/Endocrinology. MADAN, Motilal Biotechnology/Animal Reproduction/ Reproductive Endocrinology. MADHUBALA, Rentala Molecular Parasitology/Cell and Molecular Biology. Reproductive Biology/Protein MAHALE, Smita Dilip Chemistry/Endocrinology. Endocrinology/Reproductive MAITI, Biswa Ranjan Biology/Histology. Environmental Endocrinology/Reproductive MAITRA, Saumen Kumar Biology/Chronobiology. MAJUMDAR, Subeer Suhash Animal Biotechnology/Endocrinology/ Reproduction. Animal Physiology/Developmental MALHOTRA, Rajender Kumar Biology/Muscle Biology. Fish Biology/Ecology (Wildlife). MALHOTRA, Y.R. Physiology/Neurophysiology; Neuro-MALLICK, Birendra Nath Pharmacology; Neuro-Cognitive Biology; Sleep- Wakefulness-REM Sleep. MANDAL, Lolitika Developmental Biology/Genetics/Stem Cell Biology. MANNA, Sunil Kumar Immunology/Receptor Biology/Tumor Biology. MARIA-JOSEPPH, Michael A. Endocrinology/ Reproductive Biology/Cancer Biology/Environmental Endocrine Disruptor. MARIMUTHU, Ganapathy Animal Behaviour and Chronobiology. MATHAVAN, Sinnakaruppan Genomics, Transcriptomics, MicroRNAs, Whole Genome Seq and Exome sequencing; Diabetic retinopathy; DNA methylation and Diabetic retinopathy. Reproductive Endocrinology & Toxicology/ MATHUR, Premendu Prakash Biochemistry/Bioinformatics. Comparative Endocrinology/Animal MEDDA, Ajit Kumar Physiology. Mammalian Reproduction/Early embryonic MEHROTRA, Purshottam Kishore development in female/Cell Culture/Molecular Biology. MICHAEL, Royappa George Limnology/Freshwater Fisheries. MODI, Deepak N. Reproductive Biology/Developmental Biology/Genetics. MOURYA, Devendra Tarachand Medical Entomology/Microbiology/Bio-Containment. MUKERJI, Mitali Genomics/ Ayurgenomics/Precision Medicine. MUKHOPADHYAY, Arnab Developmental/Functional/Genetical Aspects. MURALIDHAR, Kambadur Endocrinology/Biochemistry/Reproductive MURTHY, Puvvada Kalpana Filariasis: Host-Parasite Interaction/

Development of Immunoprophylactic(s)/New

Antifilarial Drug Development. Animal Physiology/Marine

Biology/Invertebrate Endocrinology.

NAGABHUSHANAM, Rachakonda

NANDEDKAR, Tarala Deepak Reproductive Biology/Ovarian Endocrinology/Cell Culture.

NIAZI, Iqbal Ahmad Developmental Biology of

Animals/Embryology/Regeneration.

NOMURA, Taisei Radiation Biology/Medical OKADA, Tokindo Developmental Biology.

OMKAR Biology, Ecology and Behaviour of Ladybird

Beetles & Biocontrol of Pests.

OOMMEN, Vilaverthottathil O. Comparative Endocrinology and Physiology,

Molecular Taxonomy and Biodiversity

Reproductive Biology.

PAL, Jayanta Kumar Cell Molecular Biology/Developmental

Biology/Genetic Engineering.

PANDA, Chinmay Kumar Cancer Genetics/Developmental Genetics/

Functional Genetics.

PANDIAN, Thavamani Jegajothivel Genetics and Fishery Science.

PARKASH, Ravi

PATHAK, Sen

Zoology/Genetics/Population Genetics.

Mammalian Cytogenetics/Human Cancer
Genetics/Apoptosis/Biology of Telomeres in
normal and Cancer Human and Murine
Cells/Cancer and Normal Cell Line

Authentication of Human and any Mammalian

Species (A to Z).

PATI, Atanu Kumar Chronobiology/Animal Physiology &

Behaviour.

PATRO, Isan Kumar Glial Neurobiology/Brain Ageing/

Neurodegeneration and Neuroprotection.

Neuroendocrinology/Mammalian Toxicology.

PRAKASH, Anil Malaria Vector Biology & Control and

Epidemiology.

PRAKASH, Bukkaraya Samudram Reproductive Physiology/Endocrinology.

PRASAD, Om

PRASADA RAO, Palle Deva
PURI, Chander Parkash
PURI, Sunil Kumar
RAHMAN, Qamar
RAI, Karamiit S.

Neuroendocrinology/Neurobiology/Fisheries.
Reproductive Physiology.
Parasitology/Malaria Drug Discovery.
Pulmonary Diseases - Toxicology.
Genetics of Mosquitoes/Genome

RAHMAN, Qamar Pulmonary Diseases - Toxicology RAI, Karamjit S. Genetics of Mosquitoes/Genome Evolution/Disease Control.

RAI, Umesh Immunoendocrinology and Reproductive

Physiology.

RAJPUROHIT, Lal Singh Animal Behaviour (Primate in Particular),

Ecology - Wildlife Conservation (Environmental Biology).

RAMAMURTHI, Rallapalli Comparative Animal Physiology/

Environmental Biology.

RAMAN, Rajiva Developmental Genetics/Human Genetics.

RANGANATH, Hassan A. Zoology/Genetics/Evolution.

RAO, Addicam Jagannadha Regulation of endocrine function of placenta

in primates/Role of trophic hormones in differentiation of endocrine tissues/Role of estrogen in regulation of epididymal function. Veterinary Microbiology/Animal Health.

ROY, Parimal Veterinary Microbiology/Animal Health. SAHA, Nirmalendu Comparative Animal Biochemistry and

Physiology.

**Animal Sciences** 365

Reproductive Biology/Animal SAIDAPUR, Srinivas K. Behavior/Evolution.

Insect Morphology/Insect Systematics. SAINI, Malkiat Singh

Immunology/ Radiation Biology/Cancer SAINIS, Krishna Balaji Biology/Medicinal Plants/Antioxidants. Male Infertility and Contraception/Active

SAMANTA, Luna Oxygen Metabolism/ Proteomics.

SENTHILKUMARAN, B. Fish Molecular Endocrinology, Reproductive Biology, Developmental Biology/Sexual

Development and Endocrine Disruption. Reproduction/Developmental Biology/Stem

SESHAGIRI, Polani B. Cell Biology.

Applied Entomology/Radiation Biology/Animal SETH, Rakesh Kumar

Physiology and Behavior. SETTY, B. Sreenivasulu Reproductive Biology

Developmental Physiology/Animal SHAH, Raman Vadilal

Physiology/Comparative Chordate Anatomy. SHANBHAG, Bhagyashri Achut Comparative Endocrinology & Reproduction (Vertebrates)/Herpetology/Animal Behavior.

SHARMA, Deepak Neuroscience/Brain Ageing/ Phytopharmacology.

Molecular Reproductive Physiology/Stem Cell SHARMA, G.Taru

Genetics, Evolution and Behaviour. SINGH, Bashisth Narayan SINGH. Dheer Biochemistry/Reproductive Endocrinology/ Functional Genomics.

SINGH, Man Mohan Reproductive Endocrinology/Osteoporosis/

New Drug Development.

SINGH, Mewa Animal Behavior/Ecology/Social Evolution.

SINGH, Raj Kumar Animal Health &

Production/Virology/Biotechnology. Environmental Physiology/Cognitive SINGH, Shashi Bala

Neurosciences.

SINGH, Surendra Nath SINHA, Brij Mohan Physiology/Biochemistry/Aging. Fish:systematics & Morphology/Fisheries. SRIVASTAV, Ajai Kumar Fishery Biology/Endocrinology/Toxicology. SRIVASTAVA, Chhail Behari Lal Fish Anatomy/Neurobiology.

Cell Biology/Neuroanatomy/ Neurochemistry. SRIVASTAVA, Umesh Chandra Mosquito Genetics, Biology & Control/ SUBBARAO, Sarala Karumuri Malariology/Vector-borne Diseases

Transmission Dynamics. SUBHEDAR, Nishikant Kashinath Neurosciences/Neuropeptides/ Animal

Behavior. Crustacean Reproductive Biology/ SUBRAMONIAM, T.

Cryobiology.

SUKUMAR, Raman Tropical Forest Ecology/Wildlife Ecology/

Climate Change.

TAHSEEN, Qudsia Taxonomy, Ecology & Developmental Biology

of Nematodes.

Parasitology/Helminthology. TANDON, Veena Biochemistry/Endocrinology/Development. TATA, Jamshed Rustom TEWARI, Hrishi Bhu Cell Biology/Histochemistry/Neurochemistry.

THAKUR, Mahendra Kumar Neurobiology of Aging. Malaria Chemotherapy/Drug Resistance. TRIPATHI, Renu

VERMA, Ganpati Prasad Cell Biology/Histochemistry.

VERMA, Inder M. Genetic Engineering & Genetherapy.

VIJAYAN, Edathil

YASUDA, Kunio

Neuroendocrinology/Reproductive Biology/ Immunoendocrinology/Neuroscience. Molecular mechanisms of lens induction and eye formation.

Biochemistry, Biophysics,
Biotechnology including
(Molecular and Cell Biology, Structural and Functional Studies,
Microbiology, Immunology)

Name	Specialization
ACHARYA, Narottam	Molecular Biology/Biochemistry/Microbiology.
ADHYA, Sankar L.	Genetics/Biochemistry/Prokaryotes
,	(Bacteriophages).
AHMAD, Faizan	Protein folding/Protein stability/Osmolyte-
·	protein interaction/Protein Structure and
	function in Macromolecular Crowding
	Environment.
AHMED, Niyaz	Molecular Epidemiology/Genomics.
ALBERTS, Bruce Michael	Biochemistry
ALI, Nahid	Biochemistry/Immunology/ Parasitology.
ANAND, Ruchi	Biochemistry/Biophysics/Biotechnology/
	Structural Biology.
ANTO, Ruby John	Chemosensitization/Chemoprevention/
	Bioprospecting.
APTE, Shree Kumar	Molecular Biology of Stress and Adaptive
	Responses and Nitrogen Fixation.
ARANKALLE, Vidya Avinash	Virology/Biotechnology/ Vaccinology.
BACHHAWAT, Anand Kumar	Molecular Genetics/Microbial
	Genetics/Biochemistry.
BAJAJ, Avinash	Cancer Therapy/Drug Delivery/Biomaterials.
BALARAM, Padmanabhan	Bio-organic Chemistry/Molecular Biophysics.
BALASUBRAMANIAN, Dorairajan	Ocular Biology/Biochemistry.
BAMJI, Mahtab S.	Biochemistry/Nutrition.
BANDYOPADHYAY, Arun	Biochemistry/Physiology/Cardiovascular
	Disease.
BANDYOPADHYAY, Uday	Biology of Malaria Parasite/Apoptosis and Cell
DANED IEE Danii IV	Signalling/Free Radical Biology.
BANERJEE, Ranjit Kumar	Molecular Enzymology/Cell Biology.
BANERJEE, Utpal	Signal Transduction/Metabolism/
DANCAL Massiss	Developmental Biology.
BANSAL, Manju	Molecular Biophysics/Structural &
DADAT Charmile Avadbut	Computational Biology.
BAPAT, Sharmila Avadhut BASAK, Soumen	Molecular & Cell Biology.
BASU, Joyoti	Cell Signaling/Immunology/Systems Biology.
BASO, Joyoti	Cellular and Molecular Microbiology of Mycobacteria.
BASU, Mukul Kumar	Host-parasite Interaction/Model
DASO, IVIUKUI KUIIIAI	Membranes/Targeted Delivery System.
BASU, Sandip Kumar	Molecular Biology/Microbial
BAGO, Garidip Rumai	Gennetics/Biochemistry.
BATRA, Janendra Kumar	Molecular Biology/Biochemistry.
BHADRA, Rupak Kumar	Bacterial Genetics and Gene Regulations,
Di I/ 1510 1, Rupak Rumai	Stress Biology.
BHANDARI, Rashna	Biochemistry and Cell Biology/Eukaryotic Cell
2	Signalling/ Mammalian Physiology.
	- 3 3,

Biochemistry and Molecular Biology/ BHARGAVA, Purnima Eukaryotic Gene Regulation/Chromatin and Epigenetics. Molecular Biology of Infectious Diseases/ BHATNAGAR, Rakesh BHATTACHARYA, Sudha Molecular Biology/Molecular Parasitology/Rare Genetic Diseases. Molecular Cell Biology/RNA Biology. BHATTACHARYYA, Suvendra N. BISWAL, Basanti Photobiology/Molecular Biology/Developmental Biology. Biochemistry/Molecular Biology/Gene BISWAS, Debabrata Expression in Eukaryotes. BRAHMACHARI, Samir K. Biotechnology/Structural Biology/Genome Analysis. BRAHMACHARI, Vani Epigenetics/Functional Genomics/ Molecular Biology. DNA Repair/Radiation Oncology/Cancer BURMA, Sandeep Biology. Organic and Bio-organic Chemistry. CHADHA. Mohindra Singh CHAINY, Gagan Bihari Nityanand Biochemistry/Free radical metabolism. Molecular and Cell Biology/ CHAKRABARTI, Oishee Neurodegeneration/Organellar Dynamics. CHAKRABARTI, Parul Membrane Biochemistry/Biological Chemistry. CHAKRABARTI, Pinakpani Structural Biology/Molecular Biophysics/Bioinformatics. CHAKRABARTY, Ananda Mohan Molecular Biology/Microbiology. CHAKRABORTI, Pradip Kumar Molecular Biology & Biochemistry/Molecular Microbiology. CHAKRABORTY, Subhra Nutritional Genomics/Plant Immunity/ Proteomics & Multiomics/Molecular Biology/ Genetic Engineering. CHAKRAVORTTY, Dipshikha Microbiology/Infectious Diseases/ Immunology. Molecular Biophysics/Biological Chemistry/ CHARY, Kandala Venkata R. Structural Biology/NMR Spectroscopy. CHATTERJEE, Anupam Radiation Genetics/Cancer Genetics. Carbohydrates/Protein Chemistry/ CHATTERJEE, Bishnu Pada Glycobiology/Immunology. Biophysics/Microbiology/Free Radicals & CHATTERJEE, Smriti Narayan Genetic Toxicology and Biological Electron Microscopy. Molecular Microbiology/Plant-Microbe CHATTERJEE, Subhadeep Interaction/Pathogenesis. Molecular Biology/Biophysical Chemistry. CHATTERJI, Dipankar CHATTOO, Bharat Bhushan Molecular Biology/Genetics/Biotechnology. CHATTOPADHYAY, Amitabha Membrane and GPCR Biophysics and Biology. Molecular Virology/Transcription/ CHATTOPADHYAY, Dhrubajyoti Biochemistry/Nanobiotechnology. CHATTOPADHYAY, Kausik Protein Structure-Function/Host-Pathogen Interaction/Immunobiology. CHATTOPADHYAY, Krishnananda Neurodegeneration/Protein Aggregation. CHATTOPADHYAY, Samit Cancer Biology, Transcription and Chromatin Biology, Immunology.

CHATTOPADHYAY, Soma

Virology/Molecular Biology/Biotechnology.

CHATURVEDI, Madan Mohan Biochemistry & Molecular Biology, Epigenetics.

CHAUDHARY, Vijay Kumar
CHAUHAN, Santosh
Biochemistry/Protein Engineering.
Cell Biology/Infectious Diseases/Cancer
Biology.

CHAUHAN, Virander Singh

Biophysics/Malaria/Malaria Vaccine
Development/Peptides/Nano-Drug Delivery

Systems/Peptide Based Anti-Biotic

Development.

CHAWLA-SARKAR, Mamta
CHOWDHURY, Shantanu

DAS CURTA Changled Kumar

PAS CURTA Changled Kumar

Ricchamictar/Protein Folding

DAS GUPTA, Chanchal Kumar
DAS GUPTA, Maitrayee
DAS, Amitava

Biochemistry/Protein Folding.
Symbiotic Nitrogen Fixation.
Stem Cell Biology/Regenerative
Medicine/Biochemistry.

DAS, Benu Brata Topoisomerase/DNA Repair/Mitochondrial

DNA.

DAS, Chandrima

Biochemistry/Molecular and Cell
Biology/Chromatin and Epigenetics.

DAS, Kali Pada

Biophysical Chemistry/Molecular
Chaperone/Protein Folding.

DAS, Pijush K. Biochemistry/Cell Biology/Molecular

Parasitology.

DAS, Pradeep Medical Biotechnology/Molecular

Parasitology/Immunology & Cell Signalling in

Disease.

DAS, Sanjeev Cancer Biology.

DAS, Saumitra Molecular Virology/Molecular Biology/Antiviral

Research.

DATTA, Asis

DATTA, Kasturi

Molecular Biology/Biochemistry.

Molecular and Cellular Biology/Genetic
Engineering/Functional Genomics.

DATTAGUPTA, Jiban Kanti Biological Crystallography/Protein Structure

DAVISON, John
DHAR, Suman Kumar
DHAR, Suman Kumar
DHAR, Suman Kumar
DNA Replication/Cell Cycle
Regulation/Parasitology.

DHARMALINGAM, K. Genetic Engineering/Biotechnology/ Proteomics of Eye Diseases.

DIKSHIT, Kanak Lata

DIKSHIT, Madhu

DIMITROV, Stefan

Molecular Biology/Biotechnology/Genetics.

Biochemical & Molecular Pharmacology.

Epigenetics/Biochemistry/Biophysics.

D'SILVA, Patrick Raymond Biochemistry/Cell Biology/Genetics/Chemical Biology.

DUTTA, Chitra Biophysics.

EHTESHAM, Nasreen Zafar Molecular Biology and Cell Biology and Cell

Signaling.

FORD, Richard Earl
GALANDE, Sanjeev
GANESH, K. Nagappa

Plant Virology/Maize/Legume Viruses.
Epigenetics, Cell and Molecular Biology.
Bio-organic Chemistry/Nucleic Acids
Peptides/Medicinal Chemistry.

GAUTHAM, Namasivayam Biomolecular Structure/X-ray

Crystallography/Computational Biology.

Nanotechnology/Supramolecular Chemistry/

GAZIT, Ehud

Peptide and Metabolite Chemistry. Molecular Biology. GHOSH, Amit Immunology/Molecular Biology/Biochemistry. GHOSH, Balaram Peptide Chemistry and Biology/Membrane GHOSH, Jimut Kanti Biology/Biophysics/Microbial Infection/ Metabolism. GHOSH, Mrinal Kanti Bio-chemistry/Molecular Oncology/Targeted Nanodelivery of Nanotherapeutics Across the GHOSH, Prahlad C. Cell Biology/Drug Delivery. Molecular Biology. GHOSH, Ranjit Kumar GHOSH, Sankar Molecular and Cell Biology/Microbiology/Immunology. Biotechnology/Healthcare Genomics & GHOSH, Sankar Kumar Bioinformatics/ Biodiversity and DNA Bar Coding. GOKHALE, Rajesh Sudhir Immunometabolism, Tuberculosis, Vitiligo. GOPAL, Balasubramanian Structural Biology/Molecular Biophysics. GOPINATHAN, Karumathil P. Molecular Biology/Biotechnology. GOSWAMI, Arunava Agriculture/Molecular Biology/Nano-Agro-Biotechnology. Microbial Genetics/Molecular Biology. GOWRISHANKAR, Jayaraman GULYANI, Akash Biosensors/Photosensory Systems/Cellular Dynamics. Membrane Biology/Medicinal Chemistry/Bio-GUPTA, Chhitar Mal organic Chemistry. Applied Enzymology. GUPTA, Munishwar Nath HABIB, Saman Malaria Biology/Molecular and Cell Biology/Population Genetics. Functional Biology, Molecular Pathogenesis, HASNAIN, Seyed Ehtesham new diagnostics and Novel interventions against Human Pathogens. Bioorganic Chemistry/Biochemistry. IVANOV, Vadim Tikhonovich Cell and Molecular Biology/Stress Physiology. JAIN, Subodh Kumar JHANWAR, Suresh C. Cancer Genetics/Molecular Biology/Genetic Medicine. KALIA, Vipin Chandra KAUL, Sunil Microbial Genomics/Bioenergy/Biopolymers. Stress/Aging/Cancer. Yeast Genetics & Molecular Biology/Host KAUR, Rupinder Pathogen Interaction Enzymology & Enzyme Technology/Plant KAYASTHA, Arvind Mohan Biochemistry/Structure-Function Relationship in Proteins. KEMPARAJU, Kempaiah Snake Venom Pharmacology. Dengue/Vaccines/Diagnostics. KHANNA, Navin Chandra KHAR, Ashok Biochemistry/Tumour Immunology/Mammalian Cell Culture. Epigenetics/Host-Pathogen Interaction KHOSLA, Sanjeev Biology/Developmental Biology. Infectious Diseases/Immunology. KITHIGANAHALLI, N. Balaji KOLASKAR, Ashok Sadanand Protein folding/Biological Data Banks & Data Mining/ Theoretical Molecular Biophysics & Bioinformatics.

KOLLURU RAMAIAH, V.A.

KOLTHUR-SEETHARAM, Ullas

KOTHEKAR, Vidya Vinayak KOYAKUTTY, Manzoor

KUHAD, Ramesh Chander

KUMAR, Ashwani KUMAR, Dhiraj

KUNDU, Subhas Chandra

KUNDU, Sudip

KUNDU, Tapas Kumar

LAISHRAM, Rakesh Singh

MADAN, Mira

MADDIKA, Subba Reddy MADYASTHA, Madhava Kattigari

MAHAJAN, Suresh Kumar MAHALAKSHMI, Radhakrishnan

MAHAPATRA, Nitish Ranjan

MAITI, Motilal MAJI, Samir K.

MAJUMDAR, Subrata MAJUMDER, Gopal Chandra

MAJUMDER, Hemanta Kumar MALHOTRA, Om Prakash MALHOTRA, Pawan

MANDAL, Chitra MANDAL, Mahitosh

MANDAL, Nitai Chandra MENON, Gautam Igbal

MISHRA, Kaushala Prasad

MISHRA, Rakesh Kumar MISRA, Hari Sharan

Molecular Biology/Gene

Expression/Translational Regulation. Metabolic Sensing/Nuclear-Mitochondrial Epistasis/Gene Expression Mechanisms. Computational & Structural Biophysics. Cancer - Nanomedicine/Nanotechnology/ Immunology.

Secondary Agriculture Microbial

Biotechnology (Bioconversion of Crop Byproducts to Value Added Products). Microbiology/Cell Biology/Molecular Biology. Immunology/Infectious Diseases/Cell Biology.

Biomaterials/3D cancer modelling/

Regenerative medicine/Tissue engineering. Computational System Biology/Structural Bioinformatics/ Evolutionary Biology. Regulation of Gene Expression/Chemical

Biology.

RNA Biology (Untranslated & Noncoding RNAs)/Molecular Biology (Gene Expression &

Regulation)/Cardiovascular Sciences

(Understanding Cardiac Hypertrophy & Heart Failure)

Applied Biology/Microbiology/Biotechnology/

Transfer of Technology. Cell Biology/Signaling/Phosphatase Biology.

Bioorganic Chemistry/Xenobiotics Metabolism/Microbial Transformations.

Molecular Genetics.

Membrane Protein Biophysics/Protein Folding/Mitochondrial Bioenergetics.

Gene Regulation/Molecular Medicine/Human Molecular Genetics.

Molecular Biophysics/Biophysical Chemistry. Protein Biochemistry/Amyloid

Diseases/Biomaterials.

Signal Transduction/Cell Biology/Immunology.

Sperm Biochemistry/Membrane

Biology/Enzymology.

Biochemistry/Parasitology/Molecular Biology.

Enzymology.

Malaria Parasite Biology/Molecular Biology/

Drug & Vaccine Development.

Cancer Biology/ Glycobiology/Leishmaniasis. Cancer Drug Discovery/Cell Signaling/Drug

Delivery.

Molecular Biology.

Biophysics/Condensed Matter Physics/

Computational Biology.

Radiation Biology/ Cancer Biology/Free

Radical Research/Biophysics.

Molecular Genetics/Genomics/Epigenetics. Cellular and Molecular Responses to

Stress/Genome Biology/ Molecular

Biochemistry.

MISRA, Krishna Chemistry/Molecular Biology/Medical Biotechnology.
Microbiology/Virology/Immunology.
Biophysical Chemistry/Molecular Biology/ MITRA, Debashis MOHAN RAO, Chintalagiri Diagnostic & Nanobiology. Bioinformatics/Biophysics/Structural and MOHANTY, Debasisa Computational Biology. MUKHERJEE, Rama Mycobacterial Immunology. MUKHOPADHYAY, Amitabha Cell Biology. MUKHOPADHYAY, Chinmay K. Iron Homeostasis/Host-parasite Interaction/ Gene Regulation. MUKHOPADHYAY, Sangita Immunology/Tubuculosis (Infection)/Cell Signaling. Molecular Genetics/Cell Biology/Genomics. MUNIYAPPA, K. X-ray Crystallo-graphy/Virus Structure and MURTHY, Mathur Ramabhadra N. Assembly/Protein Structure and Function/ Protein Evolution. Satya Cell Biology/Cell Division/Intercellular MYLAVARAPU, Sivaram Venkata Communication. Peptide & Protein Biochemistry/Membrane NAGARAJ, Ramakrishnan Biochemistry. Regulation of Gene Expression/Molecular NAGARAJA, Valakunja Biology of Mycobacteria/R-M Systems. DNA Damage Responses/Cell Biology/Cancer NAGARAJU, Ganesh Biology NALLAMALA, Manjula Reddy Bacteriology/Bacterial Cell wall Synthesis. NANDICOORI, Vinay Kumar NATARAJAN, Krishnamurthy Molecular Biology/Cell Biology/Biochemistry. Cellular and Molecular Biology/Chromatin, Transcription and Gene Regulation. Human Microbiome/Genomics. NELSON, Karen Elizabeth Radiation Biology/Medical Genetics. NOMURA, Taisei PADMANABAN, Govindarajan Molecular Biology/Recombinant DNA/Malaria Parasite Biology. Plant Biotechnology/Plant Epigenetics/RNA PADUBIDRI, Shivaprasad V. Silencing. Immunology/Cancer Biology. Biochemistry/Cell Biology/Biotechnology/ PAL. Rahul PANDA, Dulal Pharmacology. PANDEY, Ashok Industrial & Environmental Biotechnology, and Energy Biosciences-Waste to Wealth/ Industrial Enzymes/Solid State Fermentation. Physiology/Biochemical PARMAR, Surendra Singh Pharmacology/Chemical Pharmacology/ Medicinal Chemistry/Biochemistry/Chemistry. PENMATSA, Aravind Structural Biology/Membrane Proteins/Neuropharmacology. Structural Biology/Biochemistry. PRAKASH, Balaji PRAKASH, Vishweshwaraiah Protein Biophysical Chemistry/ Food and Nutritional Sciences, Chemistry of Food and

Thermodynamics, Food Biotechnology, Nutraceuticals

Regulatory Papers

Resistance.

PRASAD, Rajendra

and Nutritionals, and Food Safety Policy &

Membrane Biology/Fungal Genetics/Drug

and, Societal Outreach Programs.

PRAVEEN, Shelly

PRIYADARSINI, Kavirayani Indira

Biochemistry/Biotechnology/ Molecular Plant Virology.

Biophysical Chemistry/Free Radical Chemistry of Antioxidants/Radioprotectors/

QADRI, Ayub Immunology/Microbiology/Biochemistry.
QADRI, Firdausi Biochemistry/Immunology/Vaccine Research.
RAGHAVA, Gajendra Pal Singh Bioinformatics.

RAHA, Sanghamitra
RAJASEKHARAN, Ram
RAJE, Manoj

Cell Biology/Signal Transduction.
Lipid Metabolism.
Biophysics/Cell Biology/Infectious

RAMACHANDRAN, S.
RAMAMURTHY, Thandavarayan
RANGARAJAN, Annapoorni
RANGARAJAN, Annapoorni
RANGARAJAN, Annapoorni
RANGARAJAN, Annapoorni
RANGARAJAN, Annapoorni

Transduction.

RANJEKAR, Prabhakar Kamalakar Biochemistry/Plant Molecular Biology.
RAO, Basuthkar Jagadeeshwar Genome Repair/Recombination/ Protein-DNA Interaction/Biology of Cellular Adaptations/ Computational Biology.

RAO, Desirazu Narasimha
RAO, M.R. Satyanarayana

Computational Biology.

DNA-Protein Interactions.

Molecular Biology & Cell Biology/Genomics &

Human Molecular Genetics.

RASTOGI, Anil Kumar

Biochemistry of Parasitic Infection/Metabolic

RAWAT, Diwan S.
RAY CHAUDHURI, Shaon
Redictional Chemistry and Catalysis.
Biotechnology/Microbial
Technology/Bioremediation.

RAYALA, Suresh Kumar
REDDY, G. Bhanuprakash
RENUGOPALAKRISHNAN, V.
ROY, Sib Sankar

Molecular and Cell Biology/Nutrition.
Immunobiology/Medical Science/Proteins.
Cancer Biology/Insulin Resistance/Metabolic Disorders.

ROY, Syamal Immunology/Parasitology.
ROYCHOUDHURY, Susanta Human Genetics/Cancer Genomics/Cancer Cell Biology.

SA, Gaurisankar

Cancer Biology/Tumor Immunology/
Development of Immunotherapy/Drug
development/DNA Vaccine/ Genomic of

SAHA, Bhaskar Cancer, Biochemistry.
Immunology/Signal Transduction/
Parasitology/Tumor Immunology/

Immunometabolomics.
SAHA, Swati Molecular and Cell Biology of Leishmania

SAHNI, Girish Parasites.
Enzymology/Protein Engineering/Protein Science Biotechnology.

SAHU, Arvind Complement Biology/Molecular Virology.
SALUNKE, Dinakar M. Structural Biology.

SAMBHARA, Suryaprakash
SANGWAN, Neelam S.

Immunology/Infectious Diseases/Vaccines.
Medicinal and Aromatic Plants/Functional
Genomics/Metabolic Pathways of Aroma
Chemicals and Specialized

Phytopharmaceuticals/Phytopharmaceuticals for Health and Agriculture.

SANKARANARAYANAN, Rajan Structural Biology/Translation Quality Control/X-Ray Crystallography.

SANTRA, Manas Kumar Cancer Biology/Cell Cycle/Cellular Signaling.

SANYAL, Kaustuv Eukaryotic Chromosome Segregation/ Centromere-Kinetochore/Epigentics. Molecular & Cell Biology/Cell Signaling/Drug SANYAL, Sabyasachi

Discovery.

SARAN, Anil Molecular Biophysics/Magnetic

Resonance/Quantum Biology & Pharmacology.

Biochemistry/Molecular Cell Biology/ Biotechnology. SARKAR, Debi Prasad

Bacterial Gene Regulation/Signal SARKAR, Dibyendu Transduction/Virulence Regulation of

Mycobacteria.

SARKAR, Sagartirtha Molecular Cardiology/Cell Biology. SASISEKHARAN, Vishwanathan Biomolecular Structure & Function.

Enzyme Regulation/Biochemistry/Biophysics. SAU, Apurba Kumar SAVITHRI, Handanahal S.

Molecular Plant Virology/Proteins

Chemistry/Enzymology.
Molecular & Cell Biology/Immunology/ SEN, Ellora

Molecular Medicine.

Biochemistry/Biophysics/ Microbiology. SEN, Ranjan Computational Biology/Mechine Learning. SENGUPTA, Debarka

SHAHA. Chandrima Cell Biology/Physiology.

SHARMA, Yogendra

Structural Biology/Malaria/Protein Function. SHARMA, Amit Prakash SHARMA, Pushkar Signal Transduction/Biochemistry/Malaria/

Neuroscience.

Enzymology/Hormone Action SHARMA, Ramesh

Mechanism/Aging.
Plant Genomics/Bioinformatics/Plant Disease SHARMA, Tilak Raj

Resistance. Biophysics.

SHASHIDHARA, L.S. Genetics & Developmental Biology.

Reproductive Biology/ Conservation Biology/ SHIVAJI, Sisinthy Microbiology/Extremophiles/Microbiome/Biofilm.

Microbial Taxonomy/Genomics & SHOUCHE, Yogesh

Metagenomics/Microbome. SHUKLA, Arun Kumar Cellular Signaling/Structural Biology/Drug

Discovery

Materials Electrochemistry with emphasis on SHUKLA, Ashok Kumar

Batteries/ Fuel Cells/Supercapacitors and Solid Ionics.

Molecular and Cell Biology/Microbiology/ SINGH, Amit

Immunology. Radiation Biology and Laws Relating to IPR SINGH, Bam Bahadur

(Intellectual Properties) and Civil Laws including Constitutional Remedies.

Metabolic Bone Disorders/Osteoimmunology. SINGH, Divya SINGH, Neeru

Epidemiology and Vector Control/Tribal-Forest Malaria/Malaria in Pregnancy.

Biochemistry/Molecular SINGH, Randhir Biology/Biotechnology.

Genetics/Microbiology/Immunology. Infectious Diseases/Protein Toxins. Molecular Biology/Yeast Genetics. SINGH, Varsha SINGH, Yogendra SINHA, Pratima Theoretical Biology/Mathematical SINHA, Somdatta

Ecology/Complex Systems. SOBTI, Ranbir Chander Cell Biology/Environmental and Cancer Cell

Biotechnology/Human Genetics.

Microbiology/Plant Protection/Plant Genetics. SONTI, Ramesh Venkata

SRIVASTAVA, Brahm Shanker

SRIVASTAVA, Ravindra Kumar SRIVASTAVA, Sudha

SUNDAR, Durai SUROLIA, Avadhesha

SUROLIA, Namita

SWAMY, Musti Joginadha

SWARNAKAR, Snehasikta TAMANG, Jyoti Prakash TRIPATHI, Anil Kumar

TRIVEDI, Ritu TYAGI, Anil Kumar TYAGI, Rakesh Kumar

UKIL, Anindita

VARSHNEY, Umesh

VERMA, Rama Shanker

VERMA, Rishendra

VIJYRAGHAVAN, Krishnaswamy VISHVESHWARA, Saraswathi

VISHWAKARMA, Ram

WADHWA, Renu WATSON, James D. WUTHRICH, Kurt Microbial & Molecular Genetics/ Biotechnology/Molecular Biology.

Biochemistry. NMR/Biophysics.

Bioinformatics/Computational Biology. Protein Folding & Design/Cell Surface Carbohydrate/Molecular Biology of Malaria

Parasite and Anti-malarial Drug. Molecular Parasitology/

Biochemistry/Molecular Biology. Protein Chemistry and Protein-Ligand Interactions/Lipid Phase Behaviour and Lipid-Protein Interactions/Biomembrane Structure and Function.

Biochemistry & Protease Biology.

Food Microbiology.
Molecular Microbiology/Bacterial Genetics/

Gene Regulation. Endocrinology.

Molecular Biology/Tuberculosis Research.
Molecular and Cellular Endocrinology/Nuclear Receptors in Health and Disease/Nuclear

Receptors and Drug Metabolism. Cell Biology/Immunology/Molecular

Parasitology.
Vaccine Development/Bioinsecticides. Molecular Biology/Protein Synthesis/DNA Repair.

Stem Cell/Immunology/Molecular and Cell

Biology. Microbiology/Immunology/Mycology/Labortory

Animal Science.

Developmental Genetics.

Computational Biology/Bioinformatics/Protein

Structure Networks

Chemical Biology/Glycobiology/Drug

Discovery. Stress/Aging/Cancer. Molecular Genetics. Structural Biology/Structural

Genomics/Biochemistry.

## **Chemical Sciences**

(Analytical, Inorganic, Organic, Physical, Theoretical Chemistry, Applied Chemistry)

## Name Specialization

ACHARYA, Somobrata	Supramolecular Assemblies/Nanocrystals/
	Opto-electronics Applications.
ADHIKARI, Satrajit	Physical/Theoretical Chemistry.
AGARWALA, Umesh Chandra	Inorganic Chemistry/Organometallic
	Chemistry/Reaction Mechanism.
AHLUWALIA, Vinod Kumar	Synthetic Organic Chemistry/Green
	Chemistry/Environmental Chemistry.
ARUNAN, Elangannan	Spectroscopy/Kinetics/Bonding.
ATTFIELD, John Paul	Materials Chemistry/Solid State
	Chemistry/High Pressure Science.
AYYAPPANPILLAI, Ajayaghosh	Photoresponsive Materials/Self
ATTAIT ANTILLAI, Ajayagilosii	Assembly/Molecular Probes.
PADVAL Joe Pol Singh	
BADYAL, Jas Pal Singh	Surface Science.
BAGCHI, Biman	Physical Chemistry/Biophysical Chemistry/
	Molecular Relaxation Processes and
5.1416111 4 1 1 14	Chemical Dynamics.
BAKHSHI, Ashok Kumar	Physical Chemistry/Theoretical Polymer
	Chemistry.
BALLA, Rajakumar	Atmospheric Chemistry/Combustion
	Chemistry/Gas Phase Chemistry.
BANERJEA, Debabrata	Inorganic Chemistry/Coordination
,	Chemistry/Inorganic Reaction Mechanism.
BANERJI, Krishna Dulal	Organic Chemistry-Particularly Synthetic
27 11 12 101, 1 110 111 12 21 21	Organic Chemistry.
BASAK, Amit	Organic Chemistry/Medicinal Chemistry.
BATRA, Sanjay	Organic Chemistry/Medicinal Chemistry.
BERA, Jitendra Kumar	Organometallic Chemistry/Catalysis/
BLIA, Jiteriaia Ramai	
BHADURI, Amiya Prasad	Sustainable Chemistry. Medicinal Chemistry.
BHAGAVATULA, L.V. Prasad	Physical Chemistry/Applied Chemistry.
BHARATAM, Jagadeesh	Chemical Sciences - Magnetic Resonance.
BHARGAVA, Suresh Kumar	Industrial Chemistry/Catalysis/Anti Cancerous
	Gold Drug Development/Nanotechnology/
	Gaseous Sensors.
BHASIKUTTAN, Achikanath C.	Photochemistry, Time Resolved Absorption &
	Fluorescence Spectroscopy, Supra & Bio-
	Molecular Assemblies.
BHASIN, Kuldip K.	Inorganic and Organometallic Chemistry.
BHATNAGAR, Surendra Prasad	Organic Chemistry/Industrial Chemistry/Bio-
,	Organic Chemistry/Science Management.
BHATTACHARYYA, Aninda Jiban	Physical Chemistry/Materials Chemistry/
	Energy.
BHATTACHARYYA, Kankan	Physical Chemistry/Ultrafast
Divitino in ittin, naman	Lasers/Organized Assemblies.
BHUSHAN, Ravi	Organic Chemistry/Proteins/Liquid
Di looi Alv, Itavi	Chromatography, Enantiomeric Resolution.
DICMAS Popiit	
BISWAS, Ranjit	Physical Chemistry, Theory, Experiments.

Chemical Sciences 377

BLOKHRA, Ratan Lal Electro-Chemistry/Thermodynamics/ Membrane Transport. BORUAH, Romesh Chandra Synthetic Organic Chemistry. NMR & Polymer. BRAR, Ajaib Singh CHADA, Raji Reddy Organic Synthesis/Process Chemistry/Medicinal Chemistry. CHAKRABORTY, Tushar Kanti Peptides and Peptidomimetics/Organic Synthesis/Bio-organic Chemistry. CHANDRA, Amalendu Statistical Mechanics of Liquids/Molecular Simulations and Modeling/Theoretical Nonlinear Spectral Studies of Liquids and Interfaces. Physical, Applied Chemistry. CHANDRASEKAR, Rajadurai Natural Product Synthesis/Green Chemistry/ CHANDRASEKHAR, Srivari Drug Discoverv. Organometallic Chemistry/Inorganic CHANDRASEKHAR, Vadapalli Chemistry/Molecular Materials. Inorganic/Bioinorganic Chemistry. CHANDRASHEKAR, K. T. CHATTARAJ, Pratim Kumar Density Functional Theory/Chemical Reactivity/Nonlinear Dynamics. CHATTERJEE, Debabrata Kinetic & Reaction Mechanism/Catalysis/ Photocatalysis. CHATTOPADHYAY, Buddhadeb Organic Chemistry/Applied Chemistry/Inorganic Chemistry. Photochemistry/Biophysical Chemistry/ CHATTOPADHYAY, Nitin Surface Chemistry. Bio-organic Chemistry/Asymmetric CHATTOPADHYAY, Subrata Synthesis/Biocatalyst. Chemistry of Materials. CHEETHAM, Anthony Kevin Electrochemistry/Materials Chemistry/ CHELLAPPAN, Retna Raj Analytical Chemistry. Organic Chemistry/Molecular CHORGHADE, Mukund Shankar Medicine/Science & Technology Based Entrepreneurship. CLARK, Robin Jon Hawes Transition Metal Chemistry/Infrared and Raman Spectroscopy. Bio-Organic Chemistry/Bio-Physical DANABOYINA, Ramaiah Chemistry/Organic Photochemistry. DAS SARMA, Dipankar Electronic Structure of Solids/Nano Materials/Conducting Polymers. Inorganic Synthesis/ Nanostructured Material DAS, Amitava for Imaging and Drug Delivery/Molecular Recognition/Supramolecular Chemistry/ Photoinduced Processes and Electron Transfer. DAS, Samar Kumar Inorganic Chemistry/Polyoxometalate Chemistry/Coordination Chemistry. Physical Chemistry/Electrocatalysis for DATTA, Anindya Sustainable Energy. DESIRAJU, Gautam Radhakrishna Supramolecular Chemistry/Crystal

Engineering/Drug Design.

Chemistry/Spectroscopy.

Inorganic Chemistry/Bio-Inorganic

Organic Synthesis.

DETHE, Dattatraya Hanumant

DEY, Abhishek

Synthetic Organic Chemistry/Natural DHAR, Durga Nath Products. DHAVALE, Dilip Dattatray Organic Chemistry/Carbohydrate Chemistry. DHEVALAPALLY, R. Buchi Asymmetric Organocatalysis/Reaction Engineering/Total Synthesis. DHINDSA, Kuldip Singh Inorganic Chemistry/Coordination Chemistry/Biological Chemistry/Agrochemicals. Chemical Sciences: Catalysis/ DIXNEUF, Pierre H. Organometallics/Organic. Physical Chemistry/Photochemistry. DOGRA, Sneh Kumar DUTTA, Rup Physical Chemistry. GAJBHIYE, Namdeo Shriramji Nanoscience and Nanotechnology of Materials/Solid State Chemistry. GANGULI, Ashok Kumar Nanomaterials/Superconductors. Theoretical Chemistry/ Computational GARIKAPATI, Narahari Sastry Chemistry/Computational Biology/ Chemoinformatics. GEORGE, Subi Jacob Supramolecular Chemistry/Organic Materials/Spectroscopy. Physical Chemistry/Theoretical Chemistry/ GHANTY, Tapan Kumar Density Functional Theory. Synthetic Organic Chemistry. GHORAI, Manas K. Femtosecond Visible, Infrared & Terahertz GHOSH, Hirendra Nath Spectroscopy/Ultrafast Photochemistry & Reaction Dynamics in Solution Phase/Ultrafast Electron Transfer Dynamics/ Nanostructured Quantum Dot Materials. GHOSH, Sundargopal Main Group and Organometallic Chemistry. GHOSH, Swapan Kumar Theoretical Chemistry/Soft Condensed Matter Physics/Computational Materials Science. GILL, Dip Singh Physico-Inorganic Chemistry/Copper (I) Chemistry in Pure and Mixed Non Aqueous Solvents, Specially Cu-63 and Cu-65 NMR Studies. GOPALAKRISHNAN, Jagannatha Solid State/Materials Chemistry. Organic Synthesis/Asymmetric Synthesis/ GOVINDASAMY, Sekar Catalysis. Organic/Medicinal/Applied Chemistry. GREE, Rene Louis GUPTA, Kailash Chand Nano-Biotechnology/Nucleic Acids Chemistry. Quantum Chemistry/Biophysics/ Computer-GUPTA, Satya Prakash Aided Drug Design. Chemical Šensors/Waste Water GUPTA, Vinod Kumar Treatment/Electroanalytical Chemistry. GUPTA, Virendra Kumar Organometallic Chemistry/Polymer Science/ R&T Management. GUPTA, Vishnu Deo Organometallics/Coordination Chemistry. Physical Chemistry/Kinetics and GUPTA, Yugul Kishore Mechanism/Analytical Chemistry. GURJAR, Mukund Keshao Organic Chemistry.

Stereocenters.

HASSAN, Puthusserickal A.
HIREMATH, Shivayogi Pattadarya
Organic Chemistry.

HAJRA, Saumen

Asymmetric Synthesis/Asymmetric Catalysis/

Diversity Oriented Synthesis (DOS)/Stereodivergent Synthesis of Compounds with MultiChemical Sciences 379

HOSUR, Ramakrishna V. Physical Chemistry/NMR/Structural Biology. IYER, S.R. Sivaraja Chemical Technology. Organic Chemistry/Bio-Organic Chemistry. JAIN, Amolak Chand JAIN, Dharam Vir Singh Physical and Theoretical Chemistry. JAIN, Vimal Kumar Inorganic and Organometallic Chemistry. JANA, Tushar Physical Chemistry/Applied Chemistry/Polymer Chemistry. Computational Chemistry/Quantum JEMMIS, Eluvathingal Devassy Chemistry. Medicinal Chemistry/ Bioorganic Chemistry/ KAMAL, Ahmed

Organic Chemistry.

KANNAN, Shanmugaperumal Inorganic Chemistry.

KANT, Krishna Physical/Surface Chemistry.

KAPOOR, Ramesh Narain
Organometallic Chemistry/Coordination
Chemistry.

KAPUR, Manmohan Organic Synthesis/Transition Metal

KAVIRAYANI, P. Ramakrishna Catalysis/Total Synthesis of Natural Products. Organic Synthesis/Natural Product

Synthesis/Synthetic Methods.

KESSAR, Satinder Vir

KHAN, Badar Taqui

Synthesis/Synthetic Methods.

Chemistry/Organometallics/ Catalysis.

KHAN, Faiz Ahmed Organic Chemistry.

KHAN, Mirza Mohammad Taqui Inorganic Chemistry/Homogeneous Catalysis. KHANDELWAL, Bishan Lal Inorganic Chemistry/Organometallics/

Analytical Chemistry.

KISHORE, Nand Physical Chemistry/Biothermodynamics/

Biophysical Chemistry.

KOTHA, Sambasivarao

Organic Synthesis/New Synthetic Methods.

KULKARNI, Giridhar Udapi Rao Physical Chemistry/Applied Chemistry/Applied Physics.

KUMAR, Anil Physical Chemistry/Nanoscience & Nanotechnology/Biotemplated Nanomaterials.

KUMAR, Anil Thermodynamics/Physical Organic

Chemistry/Biophysical Chemistry.

KUMAR, Anil

Nuclear Magnetic Resonance Spectroscopy

and its applications to Biomolecular Structure
Determination and Quantum Computing.

KUMAR, Awadhesh
Gas Phase Kinetics & Dynamics/Interfacial
Chemistry/Laser Spectroscopy.

KUMAR, Subodh Organic Chemistry/Mol. Recognition and

Supramolecular Chemistry.

KUNWAR, Ajit Chand NMR Spectroscopy.
LAHIRI, Goutam Kumar Coordination Chemistry/Electrochemistry/

LAKSHMIKANTAM, Mannepalli LEVITT, Malcolm Harris Spectroscopy. Catalysis/Materials/Organometallic Chemistry. Magnetic Resonance.

LOBANA, Tarlok Singh Inorganic Chemistry/Organometallic Chemistry.

MADHUSUDANAN, Kunnath P. Mass Spectrometry.
MAHADEVAPPA, Dandinasivara S. Physical Chemistry/Chemical

Kinetics/Radiation Chemistry/ Analytical Chemistry.

MAHAJAN, Mohinder Pal Synthetic and Mechanistic Organic Chemistry/Development of Novel Synthetic

Chemistry/Development of Novel Synthetic Strategies in Synthesis of Heterocyclic Compounds/Heterodiene Cycloadditions.

MAHAJAN, Rakesh Kumar Chemical Sensors/Colloids and Interfaces/Material Chemistry.
Theoretical Chemistry/Chemical Dynamics. MAHAPATRA, Susanta MAINKAR, PRATHAMA S. Synthetic Organic Chemistry/Drug Discovery/ API Synthesis. MAITY, Dilip Kumar Theoretical & Computational Chemistry. MALHÓTRA, K.C. Inorganic Chemistry. Photochemistry/Laser Fabrication/Time MASUHARA, Hiroshi resolved Spectroscopy. MATHUR, Sanjay Inorganic Chemistry/Processing of Nanomaterials/Surface Engg. Technologies. Analytical Chemistry/Physical MATTOO, Brij Nath Chemistry/Forensic Science. Inorganic Chemistry/Biophysical Chemistry/Biochemistry. MAZUMDAR, Shyamalava MEHROTRA, K.N. Organic Chemistry. MEHTA, Goverdhan Organic Chemistry. MISHRA, Ashok Kumar Fluorescence Spectroscopy/Physical Photochemistry. Physical/Theoretical Chemistry. MISHRA, Manoj Kumar Environmental Sciences/R&D MISHRA, Umesh Chandra Management/Radiation Protection. Biological & Bioinorganic MITRA. Samaresh Chemistry/Magnetochemistry. MITTAL, Jai Pal Radiation & Photochemistry/Chemical Dynamics/Laser Chemistry. Reaction Dynamics/Ultrafast Spectroscopy/ MIYASAKA, Hiroshi Laser-Induced New Properties and Structures Molecular Photochemistry/Time-resolved MOHANTY, Jyotirmayee Fluorescence Spectroscopy/Supramolecular Chemistry.
Inorganic Chemistry/Separation Science/ MOHAPATRA, Prasanta Kumar Analytical Chemistry. MUGESH, Govindasamy Bioinorganic Chemistry/Medicinal Chemistry/Chemical Biology. MUKHERJEE, Debashis Theoretical Chemistry/Quantum Science. Physical Chemistry/Últrafast and Single MUKHERJEE, Saptarshi Molecular Spectroscopy of Luminescent Metal Nanoclusters and Biological Assemblies. MUKHERJEE, Tulsi Physical Chemistry/Radiation Chemistry/ Photochemistry/ Laser Chemistry/Ultrafast Spectroscopy/Nanoscience & Nanotechnology/Surface Science. MYSORE. Shashidhar Srikantiah Organic Chemistry. NAGANAGOWDA, G.A. Analytical Chemistry/NMR Spectroscopy/Biomedical Magnetic Resonance. NAIK, Prakash Dattatray Chemical Kinetics & Dynamics/Atmospheric Chemistry. Organic Chemistry/Organic Synthesis, NAMBOOTHIRI, Irishi Narayanan Reaction Mechanism. Supramolecular Chemistry/Crystal NANGIA, Ashwini Engineering. NARULA, Suraj Prakash Inorganic/Organometallic Chemistry. Inorganic Materials Chemistry. NATARAJAN, Šrinivasan Organic & Natural Products Chemistry.

Solid State Chemistry.

Functional MRI.

NEELKANTAN, S.

OGAWA, Seiji

NINGTHOUJAM, Raghumani S.

**Chemical Sciences** 381

PAKRASHI, Satyesh Chandra Chemistry of Natural Products.

PAL, Haridas Photochemistry/Electron & Proton Transfer Processes/Supramolecular Chemistry.

Theoretical Chemistry. PAL, Sourav

Inorganic Chemistry/Nano Science/Catalysis PAL, Tarasankar

SERS Spectroscopy.

Radiation Chemistry/Photochemistry/Ultrafast PALIT, Dipak Kumar

Spectroscopy.

Organometallic/Bioinorganic/Supramolecular PANDEY, Daya Shankar

Chemistry.

PANDEY, Ganesh Prasad Organic Synthesis/Bioorganic Chemistry. Inorganic Chemistry/ESR Spectroscopy/ PANDEYA, Krishna Bihari

Mössbauer Spectroscopy.

Organic Synthesis/Catalysis/Reaction PATEL, Bhisma Kumar

Mechanism.

Quantum Magnetism/Modeling PATI, Swapan Kumar

Thermoelectric, Photovoltaics Materials, Energy Transport/Homogeneous catalysts and Electro-catalysts/Photo-catalysts/Optoelectronics/Dipolar Bosonic and Fermionic lattice/quantum time dependent phenomena.

Organic Synthesis/Metal PATIL, Nitin Tukaram Catalysis/Organocatalysis.

PATRA, Abhijit

PERUNTHIRUTHY K., M.

PRADEEP, Thalappil

Porous Organic Polymers/Molecular Self-

Assembly/Fluorescence.

Nanoscience/Spectroscopy/Photonic. PATRA, Amitava

PERIASAMY, Nallagounder Chemistry/Fluorescence

Spectroscopy/Materials Chemistry. Nuclear Magnetic Resonance.

POLSHETTIWAR, Vivek Nanocatalysis/Climate Change/Solar Energy.

Molecular & Nanoscale Materials/ Nanoscience & Nanotechnology/Water Purification, Instrumentation.

PRAKASH, Surya G.K. Organic/Energy/Hydrocarbon Chemistry and

Methanol Economy.

Physical Chemistry/Photonics/Nanomaterials. PRASAD, Paras Nath

PUNNIYAMURTHY, Tharmalingam Synthetic Organic Chemistry.

RADHAKRISHNAN, T. P. Materials Chemistry.

RAMA RAO, Alla Venkata Organic Synthesis/Natural Products/Medicinal

Chemistry.

RAMAMURTHY, Perumal Photosciences/Ultrafast Spectroscopy/Nanophotonics.

RAMANATHAN, K. Venkatachala Nuclear Magnetic Resonance.

RAMARAJ, Ramasamy Physical, Inorganic and Analytical Chemistry. Inorganic Chemistry/Chemical RAMASAMI, Thirumalachari

Dynamics/Leather Science.

RANGAPPA, K. S. Bioorganic and Medicinal Chemistry/Chemical

Biology.

Inorganic Chemistry/Bioinorganic, Supramolecular, Chemo Sensors and RAO, Chebrolu Pulla

Nanobiomaterials.

Chemistry of Materials.
Physical Chemistry/Materials Science. RAO, Chintamani Nagesa R.

RAO, Kalya Jagannatha RATANASAMY, Paul Catalysis/Zeolites.

RATH, Sankar Prasad Bioinorganic Chemistry/Coordination Chemistry Inorganic Chemistry/Supramolecular RAVIKANTH, Mangalampalli

Chemistry.

RAY, Suprabhat

SINGH, Tej P.

Medicinal Chemistry/Development of Fertility

Regulating Agents.
REDDY, Basireddy Venkata Subba Asymmetric Synthesis/Medicinal Chemistry/Green Chemistry.
Catalysis/Green Chemistry/Nano-materials.
Supramolecular Chemistry/Crystal REDDY, Benjaram Mahipal REDDY, Chilla Malla Engineering/Pharmaceutical Solid-State Chemistry.

Organic Chemistry/Medicinal Chemistry/Drug REDDY, D. Srinivasa Discovery. REDDY, Gidnahalli Karagappa N. Coordination Chemistry/Organometallics/ Catalysis. ROY, Debmalya Hybrid Materials at Different Length Scales/Printable and Strethable Nanocomposites/Strategic Applications of Materials at Extreme Operational Conditions. ROY, Raja ROY, Rajendra P Nuclear Magnetic Resonance. Protein Chemistry/Chemical Biology. SAHOO, Akhila Kumar Organic Chemistry. Photochemistry/Photophysics/Ultrafast SAMANTA, Anunay Spectroscopy. Synthetic Organic Chemistry/Bio-organic SANDHU, Jagir Singh Chemistry.
Physical Chemistry/Ultrafast Spectroscopy/ SARKAR, Nilmoni Photochemistry SATISH, Sheo Organic Chemistry. Physical/Theoretical/Organic Chemistry. SCHWARZ, Helmut Glyco- and Peptide Chemistry/Drug SHARMA, Gangavaram V. M. Discovery/Organic Synthesis. SIDHU, Gurbachan Singh Organic Chemistry. Chemical Sciences, Organic Chemistry, Bioorganic Chemistry, Photochemistry and SINGH, Anil Kumar Photobiology Heterocyclic Chemistry/Supramolecular SINGH, Harjit Chemistry. SINGH, Harkesh Bahadur Organometallic Chemistry/Inorganic Chemistry. SINGH, Krishna Nand Organic Synthesis/Methodology Development. Synthetic Organic Chemistry. SINGH, Maya Shankar SINGH, Pashupati Prasad Coordination Chemistry/Environmental

SINGH, Vinod Kumar Synthetic Organic Chemistry. Órganic Chemistry/Organic Synthesis and Photochemistry.

Science.

Photochemistry.

SINHA, Arun Kumar Chemical Science/Organic Chemistry, Green

Chemistry, Medicinal Chemistry, Natural

Product Chemistry.

SIVARAM, Swaminathan Polymer Science and Technology/Industrial Organic Chemistry/Science, Technology

Innovation and Public Policy.

X-ray Crystallography/Protein Structure/

Peptide Design/Drug Discovery.

SRIVASTAVA, Ashwini Kumar Analytical Chemistry/Electrochemistry/

Chromatography.

SRIVASTAVA, Prakash Chandra Organometallics/X-ray Diffraction/

Supramolecular Chemistry.

**Chemical Sciences** 383

> Non-equilibrium Thermodynamics/Network Thermodynamics/Biophysical Transport

Studies. SUBRAMANIAN, Venkatesan Theoretical Chemistry/Computational Chemistry/Computational Biology. SUNOJ, Raghavan B. Chemical Science/Organic Chemistry/ Theoretical Chemistry/ Machine Learning. Liquid Crystals/Surface Science. SURESH, Kattera Appanna SURYAPRAKASH, Nagarajarao NMR Spectroscopy/Liquid Crystals. Protein Chemistry and Protein-Ligand SWAMY, Musti J. Interactions/Lipid Phase Behaviour and Lipid-Protein Interactions/Biomembrane Structure and Function. TANDON, Vibha Chemical Biology/Radiation Biology/Cell Signalling/Drug Development. Natural Product Chemistry/Microbial TIWARI, K.P. Synthesis/Prostaglandin Biosynthesis and Assay/Synthesis of Heterocyclics. Synthetic Methodologies/Asymmetric TRIPATHI, Pradeep Kumar Synthesis/Total Synthesis of Biologically Important Natural Products. Nuclear Materials/Nanomaterials/Functional TYAGI, Avesh Kumar Materials/ Hybrid Materials. Laser Spectroscopy/Laser Instrumentation/ UMAPATHY, Siva Photochemistry & Photophysics. Organic and Biological Chemistry and VARADARAJAN, Srinivasan Technology. Polymer Science/Polymer Chemistry. VARMA, Indra Kumari Organic Chemistry (Natural Products). VARSHNEY, I.P. VASANTHAKUMARAN, Sudarsan Solid State Chemistry/Luminescence. VASUDEVA RAO, P.R. Actinide Chemistry/Separations Chemistry/

VASUDEVAN, Padma Chemistry. VATSA, Rajesh Kumar

SRIVASTAVA, Ramesh Chandra

Photophysics and Photochemistry of Clusters/Time-of-flight Mass

Spectrometry/Coulomb Explosion. Physical Chemistry/Bio-polymers/X-ray

Diffraction Studies. VERMA, Sandeep Chemical Biology/Bioinspired Soft Matter/

Bionanotechnology.

Nuclear Fuel Chemistry.

Electrochemistry/Solid State VIJH, Ashok Kumar

Science/Chemical Physics of Interfaces.

WOLFRUM, Jurgen Manfred Laser Diagnostics in

Chemistry/Combustion/Catalysis/Systems

Biology.

WRIGHTON, Mark Stephen

YADAV, Jhillu Singh

VENKATAPPA, M.P.

XU, Qiang

Inorganic and Physical Chemistry. Inorganic Chemistry/Physical Chemistry/

Applied Chemistry.

Organic Synthesis/Natural Products.

ZAIDI, Saiyid Aftab Ahmad Coordination Chemistry.

## **Earth Sciences**

(Atmospheric Sciences, Geo-Sciences, Oceanography Geography-Scientific aspects)

Name	Specialization
Hairic	Opcolarization

ACHARYYA, Subhrangsu Kanta AGRAWAL, Dharma Pal	Stratigraphy/Tectonics/Geodynamics. Palaeoclimate/History of Science & Technology/Evolution of Brain/Traditional
AHMAD, Talat	Knowledge Systems. Igneous Petrology/Geochemistry/Himalayan Geology.
AHMED, Shakeel	Ground Water Hydrology/Geophysics/ Geostatistics.
AJAI	Geoinformatics, Earth Science, Environment and Natural Resources Management.
ARORA, Baldev Raj	Magnetotelluric/Seismicity/Seismotectonic/ Earthquake Precursors.
BAJPAI, Sunil	Vertebrate paleontology/Biostratigraphy/ Paleobiogeography/Paleoecology.
BANSAL, Abhey Ram BHARDWAJ, Anil	Geophysics/Fractals/Signal Processing. Planetary and Space Science/ Multi- wavelength Observations/Solar System Exploration.
BHASKARAN, Prasad Kumar	Physical & Dynamical Oceanography/Tropical Cyclones/Climate Science.
BHATTACHARYA, Sourendra K.	Stable Isotope Geochemistry/Isotope Ratio Mass Spectrometry/ Palaeo Climatology.
BHATTACHARYYA, Archana	Ionospheric Physics/Geomagnetism/Space Weather.
BISWAS, Sanjib Kumar	Petroleum Geology/Structure-Tectonics & Stratigraphy.
CAZENAVE, Anny	Earth Sciences : Oceanography, Geosciences.
CHADHA, Rajender Kumar CHAKRAPANI, Govind Joseph	Seismology. Environmental Geochemistry/Water Environment/Rock-Water Interaction.
CHAMYAL, Laxman Singh CHAUHAN, Prakash	Quaternary Geology/Neotectonics. Remote Sensing of Earth & Planetary Sciences.
DAS GUPTA, Somnath	Metamorphic Petrology/Ore Geology.
DASIKA, Durga Prasada Rao	Geosciences/Remote Sensing.
DASIKA, Nagesh Kumar	Earth Sciences/Water Resources Engineering/Applied Hydrology.
DIMRI, Ashok Priyadarshan	Himalayan Climate/Climate Modeling/Two Rains: Summer & Winter.
DIMRI, Vijay Prasad	Geophysics/Fractals/Signal Processing.
DORAISWAMY, Shankar	Tropical Ocean Dynamics/Ocean-atmosphere Interaction/ Monsoons.
GAUNS, Manguesh Uttam	Oceanography/Marine Biodiversity/Marine Biogeochemistry.

Earth Sciences 385

GAUR. Vinod Kumar Earth System Science (Geophysical

Sciences).

GHOSH, Subimal Hydrometerology/Regional Climate

Modeling/Hydrology.

GOPALAN, Kunchithapadam Cosmochronology/Geochronology/Mass

Spectrometery.

GOSWAMI, Bhupendra Nath Tropical Meteorology/Monsoon

Dynamics/Predictability of Weather and

Climate.

Solar System Studies/Solar-Stellar GOSWAMI, Jitendra Nath

Relationship/ Geochronology.

Mesozoic Vertebrate Palaeontology/Evolution GUNTUPALLI, V.R. Prasad

of Mesozoic Mammals/Cretaceous-

Palaeobiography of India.

Experimental Petrology/Thermodynamics. GUPTA, Alok K.

Paleomonsoon/Global Climates/ GUPTA, Anil Kumar

Paleoceanography.

Geophysics/Seismology. GUPTA. Harsh Kumar GUPTA, Sushil Kumar

Hydrology.

HAIDER, Syed Aftab Planetary Atmospheres/Mars

Aeronomy/Cometary Atmospheres.

JAIN, Vikrant Geo-Sciences/Earth Surface Processes/River

Science.

JAYANANDA, Mudlappa Geochemistry/Radiogenic Isotopes/ Early

Earth Dynamics/Origin of Protocontinents. Tropical Indo-Pacific and Monsoonal

Variability/Earth System Modeling/Seamless

Prediction and Applications.

Meteorology/Atmospheric Physics/Monsoon KESHAVAMURTY, R.N.

Studies/Climate Studies.

KNOLL, Andrew Herbert Paleontology/Geobiology.

KARUMURI, Ashok

MELOTH, Thamban

Continental Rifting/Lithospheric Dynamics/ KOLLURU, Krishna Sree

Tectonics/Plate Tectonics/ Marine

Geophysics.

KRISHNAMOORTHY, K. Atmospheric Sciences/Aerosols/Radiative

Forcing.

Oceanography/Biogeo Chemistry. KUMAR, Maripi Dileep

Seismic/Seismology. KUMAR, Prakash

Geomagnetism and Space Plasma LAKHINA, Gurbax Singh

Physics/Space Weather.

LAL, Shyam Atmospheric Science/ Atmospheric Chemistry

/Ozone and trace gases/ Environmental and

Climatic Changes.

Chemical Engineering/Polymers/Catalysis. MADRAS, Giridhar MALL, Rajesh Kumar

Climate Change & Impacts/Climate-Crop

Simulation Modelling/ Disaster Risk

Management/Meteorology.

Tomographic Inversion/Modeling & MANDAL, Prantik

Processing of Earthquake Data/Modeling of

Earthquake Hazard.

MANGLIK, Ajai Geophysics (Computational Geodynamics).

Cryospheric Studies/Ice Core

Palaeoclimatology/Polar Studies.

Applied Geophysics/Seismology/Disaster Risk MISHRA, Om Prakash Management Science. MISHRA, Vimal Hydrology/Water Resources/Climate Change. MOHAN, Anand Metamorphic Petrology/Mineralogy/ Consciousness Studies / Disaster Management and Mitigation. Urban Climate/Air Quality Modelling/Extreme MOHAN, Manju Weather. Numerical Weather Prediction/Monsoon MOHANTY, Uma Charan Dynamics/Climate Modelling/Climate Change Studies/Tropical Meteorology/ Mesoscale Modelling System. MUKHOPADHYAY, Dhrubajyoti Structural Geology/Precambrian Geology/Metamorphic Petrology. MUTHALAGU, Ravichandran Oceanography. Oceanography/Aquatic Biogeochemistry/ NAQVI, Syed Wajih Ahmad Global Chance. Geo-Tomography/Earthquake & Engineering NATH, Sankar Kumar and Exploration Seismology/Mathematical Geophysics. NAYAK, Shailesh Remote Sensing/Oceanography/Natural Geophysics/Exploration Geoelectromagnetics. NEGI, Janardan G. PANDE, Kanchan Geochemistry/Isotope Geology/Ar-Ar Geochronology. PANDEY, Om Prakash Geophysics/Geological Sciences/Earth's Thermal Evolution. PATHAK. Bhan Datt Hvdrogeology/Groundwater Hvdrology. POWAR, Krishnapratap B. Petrology/Tectonics/Environmental Geology. RAI, Shyam Sundar Geophysics, Seismology. RAJAGURU, Sharad Narhar Quaternary Geology/Prehistoric -Environment, particularly of W.India. RAJEEVAN, Madhavan Nair Climate/Monsoons. RAM, Avadh Geophysics (Exploration Geophysics, Seismology and Digital Data Processing). RAO, Nittala Venkata Chalapathi Mineralogy/Igneous Petrology/Geochemistry. RASTOGI, Ram Gopal Geomagnetism/Aeronomy/Space Physics. Structural Geology & Tectonics, Ore Geology. RAY, Sumit Kumar ROY, Kalyan Kumar Electrical and Electromagnetic Methods in Geophysics/Potential Theory/Inverse Theory. SAHNI, Ashok Vertebrate/Biostratigraphy/Biomineralization. SAIN, Kalachand Inversion, Modeling and Machine Learning: Investigation of Gas Hydrates, Imaging Subvolcanic Sediments, Understanding Geotectonics and Earthquake Processes. SATHEESH, Sreedharan K. Aerosols/Clouds/Climate. SAXENA, Mahendra Nath Igneous & Metamorphic

SEN, Sisir Kumar

SENGUPTA, Rabindra Nath

SHENOI, Sadananda Satheesh C.

SHARMA, Shiv Kumar

Petrology/Tectonics/Himalayan Geology.

Chemical Oceanography/Marine Pollution.

Electrooptics/Spectroscopy/Experimental

Metamorphic Petrology/Geochemistry.

Circulation/Satellite Oceanography.

Mineralogy/ Petrology.
Physical Oceanography/Ocean

Earth Sciences 387

SHETYE, Satish Ramnath
SINGH, Arun Deo

Physical Oceanography.
Geo-Sciences/Oceanography.

SINGH, Pradeep Kumar

Rock Mechanics & Mining Methods/Rock
Excavation Engineering/ Coal Science.

SINGH, Sri Krishna

Earthquake Source Studies/Seismotectonics

Seismic Hazard.

SINHA, Dilip Kumar

SINGH, Sunil Kumar Biogeochemistry/Indian Oceanography/

Isotope Geochemistry.

SINGHVI, Ashok Kumar Geosciences (Quaternary, Geochronology, Paleoclimate, Radiation Effects in Minerals).

Nonlinear Mathematics/Mathematical

Ecology/Natural Disaster & Risk Management.

SINHA, Rajiv Quaternary Geology/Geomorphology/River

Science, Climate Change.

SRIDHARAN, Rajagopal Aeronomy/Solar Terrestrial Physics.

SRINIVASAN, Ramaswamiah

Precambrian Geology with special reference to sedimentation structure and stratigraphy/
Groundwater Quality and Sustainability.

SRIVASTAVA, Deepak Chandra Structural Geology.
SRIVASTAVA, Hari Narain Seismology/Meteorology.
SRIVASTAVA, Rajesh Kumar Igneous Petrology/Geoch

lgneous Petrology/Geochemistry/Precambrian
Tectonics/Supercontinent Reconstructions/

Planetary Science.

TANDON, Sampat Kumar Sedimentology/Quanternary

Geology/Palaeoclimate.
TIWARI, Virendra Mani Geophysics/Hydrology/ Geodynamics.

TRIPATHI, Sachchida Nand Environmental Science and

and Environmental Science and

TRIPATHY, Subhasish
VENKATARAMAN, Chandra

Engineering/Atmospheric Sciences.
Earth Sciences (Geo-Sciences).
Atmospheric Science/Environmenta

Atmospheric Science/Environmental and Climate Science/ Aerosol Chemistry and

Physics.

VERMA, Virendra Krishna Geology Geomorphology/Sedimentology/Geo-

Environment.

VINAYACHANDRAN, P.N. Oceanography/Ocean Modeling.

WAGH, Arun B. Marine Biodeterioration/Marine Biology/

Oceanography.

WALI, Mohan K. Ecology/Environmental Science.

WYLLIE, Peter John Experimental Petrology, Granite, Carbonatite. YADAV, Ram Ratan Climate Change/Palaeoclimate/Tree-ring

analysis.

# Engineering Sciences including Engineering Technology (Engineering and Engineering Science, Chemical and Material Technology, Electronics & Telecommunication, Information

Technology, Instrumentation)

AATRE, Vasudev K.	Electronics & Telecommunication.
ABBASI, Shahid Abbas	Environmental Engineering/Energy Studies/
	Environmental Science/Process Safety/
ACHADYA Daniela	Bioprocess Engineering.
ACHARYA, Damodar	Industrial Engineering/Operations Research/Operation Management.
AGARWAL, Avinash Kumar	I.C. Engines/Fuels/Emission Control/
7.67.(TVV/L, /Wildon Kullai	Sustainability/Optical Diagnostics.
AGARWAL, Vivek	Power Electronics/Renewable Energy/Power
ŕ	Quality.
AGRAWAL, Amit	Fluid Mechanics/Heat Transfer/Bio-
	Microdevices.
AJAYAN, Pulickel M.	Engineering Sciences.
ALEX, Thekkethil Kochandy	Satellite Technology.
ARUNACHALAM, V.S.R.	Infrastructure Systems/ National Security Technology.
ARVIND	Computer Architectures/Programming
,	Languages and Compilers/Hardware Design
	and Tools.
BAHADUR, Birendra	Liquid Crystal Displays (LCDs)/OLEDs/
	Displays - All Others/Liquid Crystals/optics
	and Electro-optics.
BAHL, Om Prakash	Carlion Materials.
BAJAJ, Kamlesh Kumar	Information Technology.
BALAKRISHNAN, N.	Computational Electromagnetics/Information
BALANI, Kantesh	Security/High Pefermance Computing. Surface and Coatings/Biomaterials/Ultra High
DALANI, Namesii	Temperature Ceramics.
BALASUBRAMANIAN, Krishnan	Acoustics and Ultrasonics/Nondestructive
,	Evaluation and Testing/Measurements and
	Imaging.
BANDYOPADHYAY, Bijnan	Electronics & Telecommunication/Control
	Systems/Sliding Mode Control.
BANDYOPADHYAY, Sanghamitra	Bioinformatics/Soft Computing/Pattern
DANIED ICE Dinantes	Recognition.
BANERJEE, Dipankar BANERJEE, Soumitro	Physical Metallurgy.
BANERJEE, Soumillo BANERJEE, Srikumar	Nonlinear Dynamics/Chaos Theory.
BASU, Anupam	Physical Metallurgy/Electron Microscopy. Al and Language Processing/Embedded
DAGO, Allupalli	Systems/Popularization of Science.
	Cystems/1 opularization of solence.

Chemical and Material Technology, including BASU, Bikramjit

> Biomaterials Science and Biomedical Engineering and Engineering Ceramics.

Chemical Engineering/Biochemical BASU, Samar Kumar

Engineering.

BASU, Suddhasatwa Energy Materials, Rechargeable Battery,

Hydrogen Energy & Fuel Cells, Water Splitting & CO<sub>2</sub> Conversion, Electro-synthesis

BELLARE, Jayesh Ramesh Cryo EM & Optical Microscopy/

Nanotechnology/Biomedical devices. Metallurgy/Materials Science/Steels. BHADESHIA, Harshad Dharamshi BHAT, Navakanta Nanotechnology/Biosensors/Gas Sensors.

BHATKAR, Vijay P. Computer Science.

BHATNAGAR, Manav Electronics & Telecommunication/Wireless

Communications.

BHATNAGAR, Shalabh Stochastic Approximation

Algorithms/Reinforcement Learning/ Stochastic Optimization.

Computer Science & Engineering/VLSI BHATTACHARYA, Bhargab B.

Design/Nanotechnology.
BHATTACHARYYA, Sriman Kumar Sustainable Materials/Fluid-Structure

Interactions/Structural Retrofitting and

Rehabilitition.

Fluid Mechanics/Heat Transfer/CFD/Boiling. BISWAS, Gautam

BORKAR, Vivek Shripad Stochastic Control and Optimization/

Stochastic Algorithms.

BOSE, Tarit Kumar Aerospace Engg. CHAKRABORTY, Chandan

Power Electronics/Electrical Machines/Renewable Energy.

CHAKRABORTY, Mrityunjoy Electronics and Telecommunication

Engineering.

Mechanical Engineering/ Fluid Mechanics & CHAKRABORTY, Suman

Thermal Sciences/Microfluidics/

Nanofluidics/Technologies for Healthcare. Condition Monitoring of High Voltage CHAKRAVORTI, Sivaji

Equipment/Optimization of High Voltage

System/High Voltage Fields.

Digital Image Processing/Pattern

CHANDA, Bhabatosh Recognition/Computer Vision.

Traffic Engineering/Highway Capacity/ CHANDRA, Satish Highway Material Characterization.

Satellite Technology/Spacecraft Mission CHANDRASEKHAR, M. G. Planning & Operations/Earth Observation and Communication Satellites & their Applications.

CHATTERJEE, Anindya

Mechanical Engineering.
Physical Metallurgy and Materials Science/ CHATTOPADHYAY, Kamanio

Alloy Development for High Temperature and Extreme Environment/Energy Materials.

CHAUDHURI, Bidyut Baran Image Processing/Pattern

Recognition/Natural Language Processing. CHAUDHURI, Subhasis

Computer Vision/Multimedia/Image

Processing//Haptics.

CHAUDHURY, Santanu

Information Technology.
Computer Science & Engineering. CHEBIYYAM, Siva Ram Murthy Chemical Engineering Systems.

CHHABRA, Rajendra Prasad Transport Phenomena/Non-Newtonian Fluid Mechanics. Wireless Communication and Networking. CHOCKALINGAM, A. Materials Science and Engineering. CHOKSHI, Atul Harish Zeolites/Catalysis and Reaction CHOUDHARY, Vasant R. Engineering. Civil Geotechnical Earthquake Engineering/ CHOUDHURY, Deepankar Computational Geomechanics/Foundation Engineering/Disaster Management. Materials Science & Engineering/Energy CHOWDARI, B.V.R. Storage/Functional Materials & Applications. DAS, Jyotirmay Computer Science/Remote Sensing/Atmospheric Science. DAS, Prasanta Kumar Multiphase Flow/Heat Transfer. DAS, Sarit Kumar **Engineering and Engineering** Science/Chemical and Material Technology. DASGUPTA, Sunando Interfacial Phenomena/Microfluidics/Microscale Transport Processes. DE, Sirshendu Membrane Separation/Transport Phenomena/Pollution Control. DE, Swades Communication Systems and Networks. Nanoelectronics/Optoelectronics/ DEEN, Mohamed Jamal Nanotechnology/Data Analytics. Metallurgy & Material Science/Electron Microscopy/Radiation Damage. DEY, Gautam Kumar DEY, Subhasish Hydrodynamics/Turbulence/Fluvial Hydraulics. DURST, Franz Josef Fluid flow measuring techniques with emphasis laser Doppler - and phase Doppler -Anemometry/Numerical fluid mechanics with emphasis on method developments/ Laminar and Turbulence Transition/Turbulence with emphasis on anisotropic turbulence/Transition of pipe flows/Coating and drying of thin fluid films/Extended Navier-Stokes equations/Evaporation of fluids. DUTTA ROY, Suhash Chandra Circuits/Systems and Signal Processing. Mechanical Engineering/Energy Sciences. DUTTA, Pradip Hartmut Materials Physics/Metastable ECKERT, Jurgen Materials/Non-Equilbrium Phase Formation and Properties. GADHE, Padmanabham Materials Joining/Laser Processing of Materials/Additive Manufacturing. GAIROLA, Bhartendu Kumar Information Technology. GANGULI, Ranjan Aerospace Engineering. GANGULY, Chaitanyamoy Nuclear Fuels & Reactor Core Structural Materials/Ceramics/Powder Metallurgy Electronics/ Optoelectronics/Semiconductor GAUTAM, Dinesh Kumar Materials and Devices/ Nanomaterials. GHOSE, Debasish Autonomous Systems/Robotics/Aerospace.

GHOSH, Amitabha

GHOSH, Anup Kumar

Mechanics, Machine Dynamics & Robotics,

Polymer Science & Engineering/Rheology/

Manufacturing Science.

Chemical Engineering.

GHOSH, Ashish Computer Science/Artificial Intelligence/Data Science.

GOEL, Prem Shanker Satellite Control Systems/Space Technology. GOGATE, Parag Ratnakar Chemical Engineering/Cavitation induced

Process Intensification/Wastewater

Treatment.

GOPALAN, Jagadeesh Hypersonic Aerothermodynamics/Shock

Waves/Bio-Medical Engineering.

GOVINDARAJAN, Rama Fluid Dynamics. Petroleum Engineer/HRD Specialist. GOYAL, Kundan Lal

GUHA, Debatosh Electronics & Telecommunication. GUPTA, A.C. Oil & Paint Technology.

GUPTA, Ashok Kumar Environmental Science & Engineering/Water Treatment/ Wastewater Management and

GUPTA, Avadhesh Kumar Polymer Science/Polymer Blends and

Composite Materials. Plasticity and Impact Engineering.

GUPTA. Narinder Kumar

Polymer Engineering & GUPTA, Santosh Kumar

Science/Optimization/Simulation of Electro-Chemistry & Industrial Chemicals. GUPTA, Sita Ram GUPTA, Suresh Chandra Control & Instrumentation/Space Technology. HARINARAYANA, Kota

Aeronautical Engg./Aircraft Design/Technology Management.

HARITSA, Jayant Ramaswamy Information Technology.

IYENGAR, Rangachar Narayana History of Science/Disaster Mitigation/ Structural Dynamics/Random Vibration/

Engineering Seismology.

Thermodynamics of Materials/Extraction, JACOB, Kallarackel Thomas

Synthesis and Purification of Materials/High Temperature Solid State Chemical Sensors/

Fuel Cells and Electrolyzers/High Temperature Reactions.

JAYARAM, Vikram Materials Science/Ceramics.

JHUNJHUNWALA, Ashok Tele-communications/Computer Networks/ Fiber Optics/ Renewable Energy and Electric

Vehicles.

Chemical Engineering/Fluid Mechanics/ JOSHI, Jyeshtharaj Bhalchandra

Reactor Design/ Absorption of NOx Gases/ Solar Energy/Atomic Energy and Bio Energy. Precision Manufacturing/Micro-Machining/

Laser-based Surface Texturing.

JOSHI, Yogesh Moreshwar Rheology/Soft Matter.

JOSHI, Suhas S.

KAILATH, Thomas Information Theory/Signal Processing/Matrix Theory. KAKODKAR, Anil Nuclear Reactor Engineering/Structural

Engineering/Nuclear Safety. Solid and Structural Mechanics. KANT, Tarun

KAPURIA, Santosh Structural Mechanics/Multifunctional Structures/Structural Health Monitoring. KASHYAP, Bhagwati Prasad Superplasiticity/Thermo-Mechanical

Treatment/Grain Boundary Phenomena.

KHAKHAR, Devang Vipin Chemical Engineering. Transportation Planning and KHANNA, Sudarshan Kumar

Engineering/Higher and Technical Education.

KOTHARI. Dwarkadas Pralhaddas Power Systems/Energy Machines. Fluid Mechanics/Heat Transfer/Interfacial KRISHNAMURTHY, Muralidhar Phenomena. Image Processing/Remote Sensing. KRISHNAN, Ramakrishnan KRISHNAN, Rangachari Physical Metallurgy/Materials Science. Polymerization Reaction Engineering and KUMAR, Anil Controls. KUMAR, Vikram Semiconductor Physics and Technology. Image & Video Analysis/Machine Intelligence/ KUNDU, Malay Kumar Computer Science. KUNZRU, Deepak Structured Reactors/Catalysis/Petroleum Refining. LATAIEF, Khaled Ben Electronics & Telecommunication/Information Technology. Physical Metallurgy/Materials Science. LELE, Shrikant MAITI, Himadri Sekhar Materials Engineering/ Glass & Ceramic Engineering. Polymer Technology/Polymer Blends & Micro MAITI, Saurindra Nath Nano Composites/Bio-degradable Polymer Systems. MAITI, Surjya Kumar Stress Analysis/Finite Element Methods/Fracture Mechanics. MAJI, Pradipta Pattern Recognition/Machine Learning/Image Processina. Engineering Sciences (Biomaterials). MALLAPRAGADA, Surya K. MALLIK, Asok Kumar Mechanical Engineering. Electrical Engineering (Communications). MALLIK, Ranjan Kumar MAMIDALA, Jagadesh Kumar Nanoelectronics. MANNA, Indranil Physical Metallurgy/Phase Transformation/ Nanomaterials/ Surface Engineering/Additive Manufacturing. MANOCHA, Lalit Mohan High Temperature Composite Materials/Carbon Science & Technology/ Nanomaterials and Nanotechnology. MASHELKAR, Raghunath Anant Polymer Science & Engineering/Molecular & Convective Diffusion/Non-Newtonian Fluid Mechanics/Rheology. Machine Intelligence/Data Science/ MAULIK, Ujjwal Bioinformatics. MEHRA, Anurag Multiphase Reaction Engineering/Surface & Colloidal Systems/ Nanomaterials.

Process Metallurgy/Mathematical Modeling and Simulation/ Process Development and

Metallurgy/Material Science & Engineering.

Materials Science Processing/Hard Coating/ Protective Coatings/Energy Materials/High

Internet of Things/Wireless Sensor Networks.

Renewable Energy/Power System/Smart

Control/Mineral Processing. Wireless Communications.

Temperature Materials.
Polymer Science & Engineering.

Grid.

MEHROTRA, Surya Pratap

MEHTA, Neelesh B.

MISHRA. Suman Kumari

MISHRA, Sanak MISHRA, Sukumar

MISRA, Ashok

MISRA, Sudip

MITRA. Rahul Allovs. Intermetallics and Ceramic

Composites for High Temperature Applications/Mechanical Behavior of Materials/ Materials Characterization.

MITRA, Sanjit Kumar Analog and Digital Signal Processing/Image

Processing.

MITRA, Sushanta Kumar Microfluidics & Nanofluidics/Wetting/Water

Quality Monitoring & Treatment.

MITRA, Sushmita Machine Learning/Data Science/Medical

Imaging.

MITTAL, Sanjay Fluid Dynamics/High Performance

Computing.

Chemical Reaction Engineering/Bioprocess MODAK, Jayant Moreshwar

Engineering/Systems Biology.
Advanced Materials & Coating Development/ MUDALI, Kamachi Uthandi

Corrosion Science & Engineering/Speciality Materials & Chemical Technologies.

Civil Engineering/Structures/Sustainability.

MUKHERJEE, Abhijit MUKHERJI, Soumyo Biosensors/Bio-Medical

Instrumentation/Cardiac Electrophysiology.

MUKHERJI, Suparna Environmental Engineering/Environmental

Science.

MUKHOPADHYAY, Achintya Mechanical

Engineering/Combustion/Thermofluids. MUKHOPADHYAY, Nilay K. Structural Metallurgy/Quasicrystals/Non-

equilibrium Processing.

Technical Acoustics/Industrial Noise MUNJAL, Manohar Lal Control/Automotive Noise Control.

Micro-Nano MURMU, Naresh Chandra

Manufacturing/Composites/Energy Storage

Systems.

Nano Materials/Composites/Phase MURTY, Budaraju Srinivasa

Transformations.

MUSTI, Narasimha Murty Pattern Recognition/Machine Learning. NAIK, Niranjan Krishna

Polymer Matrix Composites/Textile Composites/Ballistic Impact/Fracture and

Fatigue of Composites/Aerospace Technology.

Space Technology/Rocket System NAIR, Gopalan Madhavan

Design/Science and Technology

Management.

NARAHARI, Yadati Game Theory/Network Economics/Electronic

Commerce.

NARAYAN, Jagdish Q-Carbon and Diamond Related Materials,

Nanomaterials/Laser Processing of Materials/

Naroscale Characterization.

NATARAJAN, Kootalai Anantaa I. Mineral

Beneficiation/Biometallurgy/Environment/Corr

osion/Hydrometallurgy.

NETRAVALI, Arun N.

PACHAURI, Rajendra Kumar

PADMANABHAN, Kuppuswamy A.

Communications/Networking.

Energy Economics/Energy Engineering. Mechanical Metallurgy/Metal Forming/Super-

plasticity and Plasticity/Nanostructured and Ultrafine Grained Materials/Modelling &

Simulation.

PAL, Sankar Kumar Pattern Recognition/Image and Video

Processing/Neural Networks, Rough-Fuzzy Computing/Soft Computing and Data Mining/Bioinformatics/Cognitive Systems/ Safety Analytics/Video Analytics and Deep

Learning.

PAL, Surendra Microwaves/Electromagnetics/Space

Communication/Radars, Satellite Navigation (GPS, GAGAN, GLONASS, GALILEO).

PANDA, Ganapati Digital Signal Processing/Soft Computing and

Digital Communication.

PANDIT, Aniruddha Bhalchandra Chemical Engineering/Multiphase

Reactors/Cavitation Phenomena.

PANIGRAHI, Bijaya Ketan Power System Operation, Control, Protection

and Management/ Smart-Grid/Cybersecurity.

PANT, Kamal Kishore Heterogeneous Green Catalysis for

Sustainable Energy and Hydrogen Generation

and Waste to Wealth.

PATNAIK, Lalit Mohan Computer Science and Engineering/ Information Technology/Electronics.

PAULRAJ, Arogyaswami Joseph Electronics & Telecom/Information

Technology.

PETTIGREW, Roderic Ivan Applied Physics in Medicine/Bioengineering/

Medical Imaging.

PRADHAN, Ashok Kumar Power System/Electric Energy System/Smart

Grid Technology.

PRAMANIK, Ashutosh Electromagnetism/Partial Differential

Equation's in Engineering.

PRASAD, Surendra Signal Processing & Communication.
PRATAP, Rudra MEMS and NEMS Sensors/Vibrations and

Acoustics Mechanobiology.

RAICHUR, Ashok M. Biomaterials/Drug Delivery/Tissue

Engineering.

RAJAN, Balaji Sundar Wireless Communication/Coding Theory/Communication Theory.

RAJARAMAN, Vaidyeswaran Computer Science.

RAMACHANDRAN, Arcot Thermal Engineering & Heat Transfer.

RAMAMURTHY, Praveen C. Organic Electronics/Sensors/Photovoltaics.

RAMASWAMY, M. A. Aerodynamics.

RANGANATHAN, Srinivasa
Materials Science/Engineering/History of
Mining, Minerals, Metals and Materials.
RAO, Palle Rama
Physical & Mechanical Metallurgy: Alloy

Development.

RAO, Paranandi V. Suryanarayana Artificial Intelligence, Computer Systems/

Speech & Script/Natural Language

Processing.

RAO, Ramgopal V. Nanoelectronics/Sensors/Microelectronics. RAY, Manas Chandra Smart Composite Structures/Micromechanics

and Nanomechanics/ Strain Gradient

Elasticity.

RAY, Subrata Materials Development including Cast Metal

Matrix Composites /Nanocomposites and

Energy Materials.

Human - Computer Interaction and Artificial REDDY, Raj Intelligence/Spoken Language System. Nano-Bio-Neuro-Photonics/Ultrafast Optical ROY, Sukhdev

Information Processing.

SARMA, Puranam Bhaskara S. Water Resources Engineering/Irrigation Water

Management.

SENANI, Raj Analog Integrated Circuits and Signal Processing/Analog VLSI, Circuits & System. Fiber and Integrated Optics/Gradient-Index SHARMA, Anurag

Optics/Applied Optics. Engineering Science & Technology.

SHARMA, Archana Nanotechnology/Colloid and Interface SHARMA, Ashutosh Science/Self-assembly.

Mass Transfer with Chemical

SHARMA, Man Mohan Reaction/Separation Technology/Catalysis

with Ion Exchange Resins.

Applied Electromagnetics/Fiber Optic SHEVGAONKAR, Raghunath K.

Communications/Antennas, Radio Astronomy,

Image processing.

SHYAMASUNDAR, Rudrapatna K.

SINGH, Bhim

SINGH, Digvijai SINGH, Jayant Kumar Computer Science & Information Technology. Power Electronics/Electric Machines/Electric

Dynamics of Mechanical Systems/Tribology. Material Modeling/Thermodynamics/Gas

Separation and Storage. SINGH, Kamala Prasad Thermodynamics/Nuclear and Hydrogen

Storagematerials/High Temperature

Oxidation.

Polymer Science and Engineering/Rheology SINGH. Ram Prakash

and Ultrasonics.
Biomimetics/Nanomaterials/Biomaterials. SINHA, Arvind SINHA, Bhabani P. Parallel/Distributed Computing, Mobile Computing Wireless Networks.

SIVAN, Kailasavadivoo Integrated Mission Design and Analysis/Guidance System Design.

Thermal Science and Engineering/Droplet and SOM, Sankar Kumar

Spray Combustion.

Launch Vehicles Systems SOMANATH. Sreedhara Panicker

Engineering/Structural Design/ Analysis. SRINIVASAN, Srikanth Thermodynamics and Kinetics/Solid Oxide

Fuel Cells/Extractive Metallurgy. SRIVASTAVA, R.D. Chemical Engineering Kinetics & Catalysis;

Oil & Gas.

Point of Care Diagnostic Devices/MEMS SRIVASTAVA, Rohit Technologies/Nanoengineered Biosensors.

Computer Science & Engineering/Database SUDARSHAN, Sundararajarao Systems.

SUKHATME, Suhas Pandurang Heat Transfer/Energy.

SUNDARARAJAN, Govindan

Surface Engineering/High Temperature
Deformation and Fracture/Impact Dynamics

and Ballistic Penetration.

Crystallographic Texture/Processing of SUWAS, Satyam

Metallic Materials/ Mechanical Behaviour of

Materials.

TIWARI, Manoj Kumar Logistics and Supply Chain Management/

Manufacturing Planning and Scheduling/

Optimization and Simulation.

UPADHYAY, Siddh Nath

VARMA, Manik

Transfer Processes/Heterogeneous
Catalysis/Environmental
Engineering/Renewable Energy.
Machine Learning/Information
Retrieval/Artificial Intelligence.
Industrial Engineering & Operations Research
and System Dynamics for Policty Modeling. VRAT, Prem

WELLAND, Mark Edward WINDLE, Alan Hardwick YADAV, Ganapati Dadasaheb

Nanoscience.
Polymers/Carbon Nano Tubes.
Chemical Engineering/Green Chemistry &
Engineering/Catalysis Science & Engineering/
Biotechnology/Nanomaterials &
Nanocatalysis/Energy Engineering.

ZARABI, M.J. Microelectronics.

# **Mathematical Sciences**

(Pure Mathematics, Applied Mathematics, Statistics, Computer/Information Science)

Name	Specialization
ACHUTHAN, Paninjukunnath	Applied Mathematics/Theoretical Physics/ Optimization/Approximation/Mathematical Modeling/Science and Spirituality Studies.
ADABALA, Ramachandra Rao	Fluid Mechanics : Rotational flows/Physiological flows.
ADHIKARI, Sukumar Das ADIMURTHI, A. AGRAWAL, Manindra AMARANATH, Tirumalasetty ARYA, Shashi Prabha BAISNAB, Abhoy Pada BAKSHI, Gurmeet Kaur BALAJI, Vikraman BALAKRISHNAN, Ramakrishnan BALASUBRAMANIAN, R. BAMBAH, Ram Prakash BANERJEE, Mihir B.	Number Theory/Combinatorics. Differential Equations. Theory of Computation. Fluid Mechanics. General Topology/Mathematical Education. Functional Analysis/General Topology. Algebra/Algebraic Coding Theory. Algebraic Geometry/Representation Theory. Number Theory. Number Theory. Number Theory/Discrete Geometry. Hydrodynamic & Hydromagnetic Stability.
BANSAL, Jawahar Lal	Fluid Dynamics/Boundary Layer Theory/Differential Equations/ Jet Flow/Tensor Analysis.
BASU, Ayanendranath BASU, Uma	Parametric Statistical Inference/Biostatistics. Fluid Mechanics/Dynamical Oceanography/ Dynamical Meteorology, Wavelets.
BATRA, Punita	Representation Theory of Infinite Dimensional Lie Algebras.
BHANDARI, Ashwani Kumar BHARGAVA, Manjul BHARGAVA, Srinivasamurthy	Mathematics/Algebra. Number Theory. Works of Srinivasa Ramanujan/Complex Function Theory/Optimization and Control Theory.
BHAT, Badekkila V. Rajara	Quantum Probability/Operator Algebras/Operator Theory.
BHATIA, Prem Kumar	Fluid Mechanics/Magnetohydro Dynamics/Plasma Dynamics/ Astrophysics.
BHATIA, Rajendra BHATTACHARYYA, Somnath	Matrix Analysis. Applied Mathematics/Computational Fluid
BHATTACHARYYA, Tirthankar	Dynamics/ Microfluidics Modeling. The Theory of Operators on Hilbert Spaces/Analysis of Several Complex Variables.
BHOSLE, Ushadevi Narendra BISWAS, Somenath BOSE, Arup BUJURKE, Nagendrappa M.	Algebraic Geometry. Computer Science. Statistics/Probability/Econometrics. Applied Mathematics/Fluid Dynamics/ Numerical Analysis and Wavelets/Krylov Subspace Methods'/Approximation Theory.

Applied Mathematics/Boundary Value Prob-CHAKRABARTI. Aloknath lems/Integral Equations. CHAKRABORTY, Partha Sarathi Noncommutative Geometry/Operator Algebras/Global Analysis. CHANDRA, Peeyush Mathematical Modelling/Biofluidmechanics. Operations Research/ Mathematical Ecology/ CHAUDHURI, Kripasindhu History of Mathematics/Fluid Dynamics. CHAUDHURI, Probal Statistics. Numerical Analysis/Mathematical Elastici-CIARLET, Philippe G. ty/Plates and Shells/Applied Differential Geometry. Statistics/Applied Differential Geometry. COX, David DANDAPAT, Bhabani Shankar Fluid Mechanics/Flow Stability/MHD/Thin Film Development. Lie Groups/Ergodic Theory/Probability DANI, Shrikrishna Gopalrao Measures/History of Mathematics. DATTA, Basudeb Combinatorial and Algebraic Topology/ Convex & Discrete Geometry. DEY. Aloke Statistics. Analysis/Numerical Approximations/Fourier DIKSHIT, H.P. Analysis/Complex Analysis/Finite Element Methods/Computer Aided Design. Algebraic Geometry. DONIHAKALU, Nagaraj Shankar DUBE, Shobh Nath Fluid Mechanics/Heat Transfer. Functions/Function Spaces. GANGAVAAMSAM, R.S. Pydi Applied Mathematics/Viscous Flows/Flow Through Porous Media. Mathematical Analysis/Functional GEETHA. Srinivasa Rao Analysis/Approximation Theory/Wavelet Analysis. GHORPADE, Sudhir Ramakant Algebraic Geometry/Coding Theory/Combinatorics. Stochastic Control/Stochastic Dynamic GHOSH, Mrinal Kanti Games/Mathematical Finance. GONGOPADHYAY, Krishnendu Geometry/Group Theory/Linear Algebra. GOPALA KRISHNA, Jonnalagedda Innovative Psycho-Mathematical Management Techniques/One/Sev Complex Variables/Probability/Non-Conventional Techniques. Approximation Theory/Complex GOVIL, Narendra Kumar Analysis/Fourier Analysis. GOWDA, G.D. Veerappa Partial Differential Equations. Astronomy/Information Theory/Integral GOYAL, Anand Narayan Transform. GUNDALA, Ramanaiah Applied Mathematics/Fluid Dynamics. Functional Analysis-Schauder Bases, GUPTA, Manjul Decompositions/Scalar & Vector Valued

Sequence Spaces, Infinite Dimensional Holomorphy/Operator Theory - Ideals of Linear Operators, Hypercyclicity &

Algebraic Geometry/Commutative Algebra.

Approximation Property.

History of Mathematics.

Geometry of Numbers.

GUPTA, Radha Charan

GURJAR, Rajendra Vasant

HANS-GILL, Rajinder Jeet

JAIN, Rajendra Kumar

HINCH. Edward John Applied Mathematics. Algebraic Geometry. IYER, Jaya Naganathan

Computational Fluid Mechanics/Heat JAIN, Amolak C. Transfer/Hypersonic Rarefield Flows. Mathematical Modeling/Science & Society. JAIN, Ashok Applied Mathematics/Numerical Analysis/ JAIN, Padam Chand Computational Fluid Dynamics/Computer

oriented Algorithms for Nonlinear PDE. Stability of Fluid Flows/Hydromagnetics Existence/Uniqueness of Solutions of N.S.

Equs.

Fluid Mechanics/Biological JAYARAMAN, Girija

Oceanography/Physiological Fluid Dynamics. Numerical Analysis/Computational Finance/ KADALBAJOO, Mohan Krishen

Option Pricing.

Combinatorics of Block Designs/Design of KAGEYAMA, Sanpei Experiments and Statistics Education.

KANDASWAMY, Palanigounder Atmospheric Waves/Convection/Lubrication Theory.

KANNAN, Varadachariar Topology/Analysis. Mathematical Modeling. **KARMESHU** KESAVAN, Srinivasan Partial Differential Equations.

Algebra/Valuation Theory/Algebraic Number KHANDUJA, Sudesh Kaur

Theory.

KHARE, Shabd Sharan Algebraic Topology.

KHURANA, Dinesh Algebra.

Functional Analysis. KODIYALAM, Vijay KONIJETI. Sreenadh Analysis/Partial Differential Equations.

Mathematical Physics. KRISHNA, M.

Differential Geometry/Riemann KULKARNI, Ravindra Shripad Surfaces/Discontinuous Groups.

KUMAR, Ajay Harmonic Analysis/Operator Spaces/Partial

Differential Equations.

KUMAR, Bayya Venkatesulu R. Numerical Methods for Partial Differential

Equations/Bio- Fluid Mechanics/Parallel Numerical Algorithms & High Performance Computation/Mathematical Modeling &

Simulation.

Statistical Signal Processing. KUNDU, Debasis Analysis/Topology/Functional LAL, Shiva Narain Analysis/Mathematical Programming.

MAJUMDER, Partha Pratim Human Genetics/Biostatistics. Water Waves/Integral Equations/Integral MANDAL, Birendra Nath

Transforms/Wavelets.

Mathematics/Statistics.

MATHAI, A.M. Wavelet Methods for PDEs/Numerical MEHRA, Mani

Methods/Numerical Analysis/Scientific

Computing.

MISHRA, Manoranjan Applied Mathematics.

Operator Theory/Operator Spaces. MISRA, Gadadhar

MISRA, Jagadis Chandra Applied Mathematics/ Mathematical Modeling/

Bio-Microfluidics/Physiological Fluid

Dynamics.

MITTAL, V. Fluid Dynamics/Graph Theory.

Combinatorics/Coding Theory/Matrices/ MOHAN, Ratnakaram Nava

International Education. MOHANTY, Ranjan Kumar Applied Mathematics/Numerical

Analysis/Differential Equations/Computational

Fluid Dynamics.

MUKHERJEE, Rahul Statistics.

MURTY, Vijayakumar

MUKHERJEE, Shyama Prasad Statistics/Operations Research. MUKUNDA, Narasimhaiengar Classical & Quantum Mechanics/

Mathematical Physics/ Theoretical Optics. Number Theory/Algebraic Geometry and

Inforamtion Technology. PDE/Analysis/Tomography. NANDAKUMARAN, A. K.

NARASIMHADEVARA, Vijayaditya Information Technology.

Numerical Analysis/Finite Element Methods. NATARAJ, Neela PAL, Nikhil Ranjan Computational Intelligence/Machine Learning/

Artificial Intelligence/Data Mining/Bioinformatics.

Numerical Analysis/Partial Differential PANI, Amiya Kumar Equations/Industrial Mathematics.

PARANJAPE, Kapil Hari Algebraic Geometry/Differential

Geometry/Topology.

PARIMALA, Raman Algebra/Algebraic Geometry.

Probability Theory/Quantum Information PARTHASARATHY, K. R.

Theory.

PARTHASARATHY, Rajagopalan Representation of Lie Group. PATHAK, Ram Shankar

Distribution Theory/Transform

Analysis/Wavelet Analysis and Applications. PATIL, Prabhugouda MallanagoudaBoundary Layer Flows/Convective Heat and

Mass Transfer/Computational Fluid

Dynamics.

Biological Fluid Dynamics/Biomechanics/ PEDLEY, Timothy John

Mathematical Biology. Complex Analysis/Special PONNUSAMY, Saminathan PRAKASA RAO, B.L.S. Mathematical Statistics. PRASAD. Dipendra Automorphic Representations. PRASAD, Phoolan Partial Differential Equations/Fluid Dynamics/Nonlinear waves.

RAGHAVAN, Komaranapuram N. Representation Theory of Groups and

Algebras.

Lie Groups & Algebraic Groups. RAGHUNATHAN, M. Santanam RAJWADE, Anant Ramchandra Algebraic Theory of Numbers.

RAKA, Madhu Number Theory/Algebraic Coding Theory. Database Systems/Real-time Systems/WWW. RAMAMRITHAM, Krithivasan Algebraic & Differential Geometry. RAMANAN, Sundararaman RAMASWAMY, Mythily Partial Differential Equations/Nonlinear

Functional Analysis/Control Theory.

RAMMURTY, Maruti Number Theory.

RANGARAJAN, Govindan Nonlinear Dynamics/Time Series Analysis.

RAO, Calyampudi Radhakrishna Statistics/Matrix Algebra.

Functional Analysis/Geometry of Banach RAO, Taduri Srinivasa Siva R. K.

Spaces/Approxination Theory. ROY, Bimal Kumar Cryptology/Combinatorics/Statistics.

ROY, Rahul Probability Theory.

ROY, Satyajit Convective Heat and Mass Transfer. SHARAN, Maithili

SHUKLA, Jang Bahadur

SANKARAN, N. Commutative Algebra. SANKARAN, Parameswaran Topology/Algebraic groups.

SANKARANARAYANAN, A. Analytic Number Theory/Elementary Number

SARAVANAN, Shanmugam Applied Mathematics/Fluid Dynamics/Flow

Instabilities.

Operator Theory/Analytic Function Theory/ SARKAR, Jaydeb

Banach Spaces.

Algebraic Complexity Theory/Computational SAXENA, Nitin

Algebra & Number Theory/ Cryptology. Special Functions/Integral Transforms/

SAXENA, Ram Kishore Fractional Calculus.

Multivariate Inference/Directional Data SENGUPTA, Ashis

Analysis/ Reliability.

Lie Groups and Ergodic Theory. SHAH, Nimish Arun

SHAH, Riddhi Pure Mathematics.

Pure Mathematics - Probability Measures on SHAH, Riddhi

Groups & Dynamics of Group Actions. Applied Mathematics/Atmospheric Boundary Layer/Air Pollution & Physiological Fluid

Mechanics.

Estimation Theory. SHARMA, Divakar

SHARMA, Ramesh Chandra Magnetohydrodynamics/Plasma Physics/ Stabilities in Geophysics/Oil Recovery.

Applied Mathematics/Quasilinear Systems of SHARMA, Vishnu Dutt PDEs/Nonlinear Gasdynamic Waves. SHIVAKUMARA, I.S. Fluid Mechanics & Magnetohydrodynamics.

Theory of Numbers.

SHOREY, Tarlok Nath SHRIKHANDE, S. Shankar Combinatorics/Graph Theory.

> Mathematical Modeling of Environmental; Ecological, Biological and Engineering

Systems.

Mathematics/Astronomy & Its History (History SHUKLA, K.S.

of Mathematics & Astronomy).

General Topology/Mathematics Education. SINGAL, Asha Rani

Functional Analysis/Harmonic SINGH, Ajit Iqbal

Analysis/Quantum Information Theory.

Theory of Relativity/Geometry. SINGH, K.P. SINGH. Kamla D. Mathematics (Differential Geometry).

SINGH, Mahendra Pal Applied Mathematics/Bio-fluid Dynamics/Air

Pollution Modeling.

SINGH. Sarva Jit Applied Mathematics/Theoretical Seismology.

SINGH, Surjeet Theory of Rings/Abelian Groups.

Theory of Functions. SINGH, Vikramaditya

Mathematics. SINHA, K.D.P.

SREEHARI RAO, Vadrevu Dynamical Systems/Mathematical Modelling/ Artificial Intelligence/Machine Learning/Data

Science.

Probability/Stochastic Modeling/ SREEHARI, Maddipatla

Characterization Problems.

SRIDHARAN, Ramaiyengar Algebra.

SRIKANTH, Pannapalli N. Nonlinear Functional Analysis and Applications to Differential Equations.

Algebraic Geometry/Commutative Algebra/K-SRINIVAS, Vasudevan Theory. SRINIVASA RAO, Killampalli Quantum Theory of Angular Momentum/ Quantum Groups & Algebras/Special Functions. SRIVASTAVA, Abinash Chandra Fluid Mechanics/Heat Transfer. SRIVASTAVA, Hari Mohan Mathematical Analysis/Applicable Mathematics/Mathematical Physics/Inventory Modelling and Optimation/Probabity and Statistics. Fluid Mechanics/Plasma Dynamics. SRIVASTAVA, Krishna Mohan SRIVASTAVA, Radhey Shyam Fluid Mechanics/Biomechanics/Shock Waves. SRIVASTAVA, Ram Prasad Analysis. SRIVASTAVA, Ramesh Chandra Fluid Dynamics/Numerical Simulation of Shock Wave Problems/ O.R. Algebra/Algebraic Number Theory. SUJATHA, Ramdorai SUNDER, Viakalathur Shankar Operator Algebras/Functional Analysis. SURESH, Venapally Algebra/Number Theory/ Arithematic Geometry. Algebraic Groups/Number Theory. SURY. Balasubramanian TAMIZHMANI, Kilkothur M. Integrable Systems. TANDON, Prahlad Narain Non-Newtonial Fluid Mechanics with applications to Physiological-Fluid-Dynamics/ Synovial Joint Mechanics/Mathematical Modelling of Human and Biological systems and Disposal of Liquid Effluents. Harmonic Analysis/Functional Analysis. TEWARI. Udai Bhan Mathematics (Classical and Functional THAKARE, Nimba Krishna Analysis, Algebra, Discrete Mathematics). THANGADURAI, Ravindranathan Combinatorial Number Theory/ Transcendental Number Theory. Computational Systems Biology, Distributed THIAGARAJAN, P.S. Computing. THRIVIKRAMAN, T. Topology/Fuzzy Mathematics/History of Mathematics. Elastic Waves in Continuous Media/ TOMAR, Sushil Kumar Convections in Fluids/Numerical Methods. Econometrics/Statistics/Machine Learning. ULLAH, Aman UPADHYAY, Ranjit Kumar Differential Equations/Brain and Virus Dynamics/Chaotic Dynamics and Reaction-Diffusion Modeling. Theory of Numbers (Mathematics). VAIDYA, Arun Madhusudan

Fluid Mechanics/Magnetohydrodynamics.

Algebraic Coding Theory).

Differential Geometry/Differential Equations

Commutative Algebra.

and General Relativity.

VENKATACHALAPPA, M.

VERMA, Jugal Kishore

VERMANI, Lekh Raj YAU, Shing Tung

## **Medical & Forensic Sciences**

(Basic and Clinical Medical Sciences, Pharmacology, Anthropology, Psychology and Forensic Sciences, Human genetics, Reproduction Biology, Neurosciences, Molecular Medicine)

### Name

## **Specialization**

ACHARYA, Subrat Kumar ADAK, Tridibes AGARWAL, Sanjay Kumar AGGARWAL, Amita AGGARWAL, Rakesh	Medicine/Gastroenterology/Liver Diseases. Entomology/Genetics/Malariology. Medicine/Nephrology/Dialysis/Transplant. Medicine/Clinical Immunology/Rheumatology. Gastroenterology/ Epidemiology/Viral Hepatitis/Health Economics/Public Health/ Immunization.
AGRAWAL, Anurag	Respiratory Disease and Biology/Digital Health/Physiology.
AGREWALA, Javed Naim AHUJA, Gulshan Kumar ANAND, Anuranjan	Immunology/Tuberculosis/Gut Microbiome. Neurology. Human Genetics/Neurogenetics/
ANDERSON, Diana	Developmental Genetics. Genetic Toxicology/Reproductive Toxicology/ Cancer Biology.
ASHRAF, Mohammad Zahid	Basic and Clinical Medical Sciences/ Molecular Medicine/ Translational Medicine.
ASOPA, Hari Shanker ASTHANA, Omkar Prasad	Surgery/Genitourinary reconstruction. Clinical Pharmacology/Human Pharmacokinetics.
ATEEQ, Bushra	Molecular Oncology/Cancer Genomics/Drug Targets.
ATHAR, Mohammad	Toxicology, Dermatology (Environmental Carcino genesis).
AWASTHI, Shally	Pediatrics/Clinical Trials/Pediatrics Pulmonology.
BAKHSHI, Sameer BAL, Chandrasekhar	Medical & Pediatric Oncology. Thyroidology/Neuroimaging & PET/CT Oncology.
BALASUBRAMANIAN, K. A.	Gastrointestinal Biochemistry/Oxidative Stress and Pathophysiology.
BANERJEA, Akhil Chandra BANERJEE, Kalyan	HIV-1/AIDS, Gene Therapy. General Virology/Immunology of Viruses/Viral Epidemiology.
BASU, Anirban	Neurobiology/Neurovirology/Molecular Medicine/Repurposing of Drug.
BASU, Sulagna	Antimicrobial Resistance/Neonatal Sepsis/Bacteriology.
BAVEJA, Raj BHANDARI, Mahendra BHARADWAJ, Dwaipayan BHARADWAJ, Mausumi BHARGAVA, Balram BHARGAVA, Sneh	Obstetrics and Gynecology. Urology and Renal Transplantation. Human Genetics/Epigenetics/Biochemistry. Disease Biology. Medicine/Cardiology. Radio-diagnosis/Medical Education/Hospital Administration.

BHARGAVA, Vinod Kumar Pharmacology/Medical Education. Cell Biology/Cancer Biology/Metabolic BHAT, Manoj Kumar Disorders. Gynaecologic Oncology/Preventive BHATLA, Neerja Oncology/High Risk Pregnancy. Molecular Biology of Infectious Diseases/ BHATNAGAR, Rakesh BHATNAGAR, Shinjini Pediatrics/Pediatric Gastroenterology. BHATNAGAR, Veereshwar Paediatric Surgery/Paediatric Urology/ Paediatric Hepato-Biliary-Pancreatic Surgery. Gastroenterology and Infectious Diseases. BHATTACHARYA, Mihir Kumar Diarrhoeal Diseases/Leishmaniasis/HIV/AIDS. BHATTACHARYA, Sujit Kumar BIJLANI, Veena Neuroanatomy/Developmental Neurobiology. BLAKEMORE, Colin (Brian) Neuroscience/Developmental Biology/Physiology. Medical Oncology/Clinical Pharmacology. BRENNER, Dean E. CHAKRABARTI, Arunaloke Medical Mycology. CHAKRABARTI, Manoj Kumar Microbial Biochemistry/Immunology. Medical Virology/Biotechnology. CHAKRABARTI, Sekhar Medical Virology/Biochemistry/Molecular CHAKRAVARTY, Runu Epidemiology. Disease Epidemiology/Human Molecular CHANDAK, Giriraj Ratan Genetics/Medical Genetics & Genetic Testing/ Predictive and Preventive Health/Gene Nutrient Interactions/Human Epigenetics. CHANDRA, Poodipeddi Sarat Epilepsy Surgery/Spine/Vascular Surgery. CHATTERJEE, Mitali Immunopharmacology. Medical Microbiology/Virology/Immunology. CHATURVEDI, Umesh Chandra CHAUDHURI, Keya Molecular Medicine/Infectious Diseases/Molecular & Cell Biology. CHAUHAN, Shyam Singh Cancer Biology/Molecular Biology. CHOWDHURY, Abhijit Liver Disease/Molecular Epidemiology. CHOWDHURY, Rukhsana Bacterial Pathogenesis/Host Pathogen Interactions/Microbiota and Probiotics. DANDA, Ajit Kumar Anthropology. DAS SARMA, Jayasri Neurovirology/Neuroimmunology/ Neurobiology of Diseases. DAS, Bhabani Sankar Biochemistry. DAS, Bhudev Chandra Molecular Oncology/Human Genetics/Cancer Stem Cell & Drug Discovery. Food Toxicology/Chemical Carcinogenesis/ DAS, Mukul Xenobiotic Biotransformation/ Nanotoxicology. DAS, Tanya Cancer Stem Cell Biology/Tumor Immunology/Drug Development. DASH, Debabrata Platelet Signaling/Thrombus Biology/Translational Nanomedicine. DATTA, Simanti Molecular Virology/Immunology. Pathology/Cell Biology/Medicine. DEO, Madhav Gajanan Diabetes/Leishmanial Drug Resistance/ DEY, Chinmoy Sankar Leishmanial Flagellar Motility. DHAWAN, Alok Molecular Epidemiology/Genetic

DORAIRAJ, Prabhakaran

DUTTA, Shanta

Toxicology/Nanomaterial Toxicology.

Cardiology/Clinical Research/Genetic. Medicine/Infectious Diseases/Enteric

Infection.

DUTTA, Sourabh Clinical Medical

Sciences/Pediatrics/Neonatology. FAROOQ, Ahmad Physiology/Endocrinology/Reproductive Immunology/ Contraceptive Technology.

FLORA, Swaran Jeet Singh Toxicology of Metals/Drug

Development/Chelation Treatment.

GANESAN, Venkatasubramanian Psychiatry/Schizophrenia/Neuromodulation. GANESH, Subramaniam Human Molecular Genetics/Neuroscience. GANGAL, Sharad Vishwanath Biochemistry/Immunology/Allergy. GANGULY, Nirmal Kumar Microbiology/Immunology/Biotechnology/ Tropical Medicine/Public Health/Health Policy.

GARG, Pramod Kumar Gastroenterology.

Genetics.

GHOSH, Kanjaksha Medicine/Haematology/Immunology. GIRI, Ashok Kumar Genetic Toxicology/Human Genetics/

Molecular Biology.

GOPINATH, Gomathy Neurosciences/Neurobiology.

GOSWAMI. Ravinder Endocrinology/Hypocalcemic Disorder.

Neurology/Clinical GOURIE-DEVI, Mandaville

Neurophysiology/Neuroepidemiology. Pharmacology/Basic and Clinical Medical GOYAL, Ramesh K.

Sciences.

Biomedical Engineering. GUHA, Sujoy Kumar GULATI, Sheffali Basic and Clinical Medical

Sciences/Neurosciences/Child Neurology.

GUPTA, Indu Obstetrics and Gynaecology.

GUPTA, Rakesh Kumar Magnetic Resonance.

GUPTA. Ritu Pathology/Hemato-Oncopathology/Genomics

& Cellular Biology.

Cell Biology/Reproductive Immunology/ GUPTA, Satish Kumar

Vaccines/Immunodiagnosis.

Medical Pathology. GUPTA, Suresh Chandra

GUPTA, Yogendra Kumar Neuropharmacology/Clinical Pharmaco-

logy/Toxicology.

HABIBULLAH, Chittor Mohammed Gastroenterology/Hepatology.

HANDA, Sukhdev Swami Pharmacognosy (Drugs from plants)/Herbal

Drugs.

ITO, Masao

KALRA, Veena

Physiology/Neuroscience/Motor Control. Clinical and Pre-clinical Cancer Research JAGANNATHAN, N.R.

using Molecular Imaging (MRI) & in-vivo NMR

Spectroscopy/Functional MRI Studies/

Metabolomics/ Biophysics.

Pathology/Cytopathology/Thoracic and JAIN, Deepali

Molecular Pathology.

Neurosciences. JAIN, Neerai JAMEEL, Shahid Molecular Virology.

JANA, Nihar Ranjan Neurosciences/Neurodegenerative

Disorders/Mental Illness.

JOHN, Thekkekara Jacob Infectious Diseases. JOSHI, Preeti Gangola Neuroscience/Cellular Signaling/Neurodegeneration.

Pediatrics (Pediatric Neurology and Liver

Diseases of Children).

Vaccines/Public Health/Microbiology. KANG, Gagandeep

KANUNGO, Suman Epidemiology/Public Health/Enteric Diseases. KAPOOR, Rakesh Medical Science.

KARTHA, Chandrasekharan C. Pathology/Cardiovascular

Pathology/Cardiovascular Biology.

KARTHIKEYAN, Ganesan Medicine/Cardiology.

KASHYAP, Vijendra Kumar Forensic Medicine & Science/Biologics & Regulatory Affairs/Molecular Biology/

Population Genetics/L Science, Technology &

Law.

KATOCH, Kiran Medicine.

KATOCH, Vishwa Mohan Medical Microbiology/Mycobacteriology.

KAUL, Chaman Lal Pharmacology/Pharmaceutical

Sciences/Diabetes.

KHANNA, Vinay Kumar Neurotoxicology and Neuroprotection.

KOSAGI, Sharaf Jagannatha Rao Neuroscience.

KRISHNASWAMY, Kamala Internal Medicine/Nutrition. KSHIRSAGAR, Nilima Arun Clinical Pharmacology. KULKARNI, Shrinivas Krishnarao Pharmaceutical Sciences.

KUMAR, Arun Human Genetics/Cancer Biology/Molecular

Biology.

KUMAR, Lalit Medical Oncology/Stem Cell Transplant/
Gynecologic Oncology/Hemato Oncology.

KUMAR, Rakesh Nuclear Medicine/PET-CT/Molecular Imaging.

KUMAR, Rakesh Nuclear Medicine/PET-CT/Molecular Imaging KUMAR, Rashmi Pediatric Neurology/Infectious Disease.

KUMAR, Shrawan Rehabilitation Ergonomics.

KUMAR, Vijay Molecular Cell Biology/Biotechnology/Medical

Virology.

KURPAD, Anura Viswanath Physiology/Nutrition.

LAL, Sunil Kumar Microbiology/Molecular Genetics/

Biochemistry.

LAXMAIAH, Avula Triple Burden of Diseases: Undernutrition,

Micronutrient Deficiencies and Non-

Communicable Diseases.

LEVI, Francis

Oncology/Basic & Clinical Medical Sciences.

LUTHRA, Kalpana

Oncology/Basic & Clinical Medical Sciences.

Biochemistry/HIV-1 Immunology/Molecular

Biology.

MAHAJAN, Ramesh Chander Parasitology/Microbiology/Immunology.
MAHAPATRA, Ashok Kumar Medical Science/Neurosurgery.

MAJUMDAR, Siddhartha Medical Biochemistry.

MALHOTRA, Rajesh Hip & Knee Replacement/Osteoporosis/

Complex Trauma.

MALLICK, Birendra Nath

Neurophysiology/Neurobiology of Sleep

Wakefulness.

MALVIYA, Anand Narayan Rheumatology.

MANDE, Shekhar Chintamani Macromolecular Crystallography/Protein

Structure & Function.

MATHAN, Vadakenadayil Ittyerah Gastroenterology/Epidemiology/Medical

Administration.

MATHUR, Asha Medical Microbiology/Virology/Immunology.
MEHRA, Narinder Kumar Transplant Immunology/Immunogenetics/

Stem Cell Biology/HLA.

MEHTA, Veer Singh Neurosurgery.

MISHRA, Gyan Chandra Cell Biology/Immunology.

MISHRA, Prabhat Ranjan Molecular/Nanomedicine/Pharmacology/

Targeted Drug Delivery Systems.

MISRA, Sanjeev Basic and Clinical Medical Sciences/Surgical

Oncology.

MISRA, Sri Prakash
MISRA, Usha Kant
Gastroenterology/Endoscopy/Liver Diseases.
Clinical Neurology/Neurophysiology/Tropical

Neurology.

MOHAN, V. Diabetology/Epidemiology/Genomics.

MOHANAKUMAR, K. P. Molecular Neurobiology of Neurodegenerative

diseases of the elderly and Neurodevelopmental diseases.

MOHANAN, Parayanthala Valappil

MOHANTY, Sureswar

Toxicology/Medical Device/Nanotoxicology. Head Injury/Brain Tumour/Brain Edema/Neuro

Sciences.

MUKHERJEE, Srabani Reproductive Biology/Epigenetics/Genetics.
MUKHOPADHYAY, Asish K. Microbiology/Molecular Biology/Drug

Resistance.

MUKHOPADHYAYA, Rabindranath Virology/Therapeutic Proteins/Viral Vector for

Gene Transfer.

MULHERKAR, Rita Cancer Biology/Cancer Genomics.
MUTHANE, Uday Baburao Medical Science/Neuroscience.
NAG, Devika Medicine/Neurology/Neurotoxicology.

NAIR, Gopinath Balkrish Medical Microbiology.

NESTER, Eugene William Microbiology/Genetic Engineering.

NITYANAND, Soniya Internal Medicine/Immunology/Hematology.

NOMURA, Taisei

PAL, Gaya Prasad

PALURU, Vijayachari

Radiation Biology/Medical

Anatomy/Biomechanics of Spine.

Medicine, Clinical Microbioloy, Molecular

Medical Microbiology and Molecular

Epidemiology.

PANDIT, Lekha Neurology/Neuroimmunology.

PARAMASIVAN, Chinnambedu N. Medical Microbiology/Immunology/Molecular

and Cell Biology.

PATHANIA, Ranjana Antibiotic Resistance/Bacterial

Pathogenesis/Antibacterial Drug Discovery.
PATWARDHAN, Bhushan Keshav Biochemistry/Ethnopharmacology/Natural

Product Drugs.

PAUL, Vinod Kumar Pediatrics/Neonatology/Public Health. PILLAI, Madhavan Radhakrishna Cancer Biology and Virology.

PRABHAKAR, Nanduri R.
PRADHAN, Sunil

Cardio-Respiratory Physiology.
Neuromuscular Diseases/Clinical

Neurophysiology/Infections of the Nervous

Systems.

PRASAD, Rameshwar Chemical Pathology.

RAGHAVAN, Sathees Chukkur U. DNA Repair/Cancer Biology/Genomic

Instability.

RAGHUBIR, Ram Neuropharmacology/Cardiovascular

pharmacology/Cerebral stroke. Veterinary Medicine/Parasitology/

RAI, Phulena Veterinary Medicine/Parasitology

Helmenthology.

RAMAN, Rajiva Molecular Cytogenetics/Human Genetics.
RANGARAJAN, Pundi N. Eukaryotic Gene Expression/Infectious

Diseases.

RAO, Chilakalapudi Durga Molecular Virology/Molecular Biology/Biotechnology. RAO, Gullapalli Nageswara Ophthalmology/Health Planning & Policy. Immunology/Peptide Synthesis. RAO, Kanury Venkata Subba RAO, Salem Ramachandrarao V.S. Cytogenetics. RATH, Goura Kishor Medical Sciences/Radiation Oncology. RAVINDRANATH, Vijayalakshmi Neuroscience. RAY, Kunal Molecular Basis of Human Genetic Diseases. REDDY, Janardan K. Pathology. Brain Imaging and Mapping/Cognitive ROY, Dipanjan Neuroscience and Neurodevelopmental Disorders/Aging and Cognitive Functions. ROY, Prasun Kumar Neuroimaging/ Computational Neuroscience/ Clinical Neuroscience. ROY, Subimal Histopathology/Neuropathology. SACHDEVA, Geetanjali Reproductive Biology/Steroid Signalling. SALOTRA, Poonam Molecular Parasitology. Gastroenterology and Hepotology. SARIN. Shiv Kumar Pathology/Neuropathology/Neuro-Oncology. SARKAR, Chitra SATYAVATI, Gowdagere Vedanti Pharmacology/Medicinal Plants/Scientific Editing. SAXENA, Pramod Ranjan Pharmacology. SAXENA, Rajiv Krishna Immunology, Nanotoxicology, Hematopoiesis, Nano-particles Interactions with Cells and Biological Systems. SEHGAL, Subhash C. Medical Microbiology/Infectious Diseases. Dermatology/Venereology/Leprology. SEHGAL, Virendra Nath SENGUPTA, Ram Prasad (Robin) Neurosurgery/Voluntary Work/Education Research. Cancer Biology/Cell Signalling/Mitochondrial SENGUPTA, Sagar Biology. SENGUPTA, Shantanu Basic and Clinical Medical Sciences/Human Genetics/ Molecular Medicine. SENGUPTA, Sharmila Human Genetics/Cancer Genomic and Epigenomics/Cancer Biology. SENGUPTA, Utpal Pathology/Immunopathology/Immunology. SETH, Pankaj Neurosciences/Neurovirology. SETH, Pradeep Microbiology/Virology. SETH, Shivadayal Pharmacology/Clinical Pharmacology/Toxicology. Molecular Immunology/Medical Microbiology. SHARMA, Pawan SHARMA, Surendra Kumar Internal Medicine/Pulmonary Medicine/ Clinical Immunology/Critical Care & Sleep Medicine. SHARMA, Yagya Dutta Molecular Biology/Immunology of Malaria Parasites. Neuroscience/Cognitive Neuroscience/ SINGH, Nandini Chatterjee Neuroimaging. SINGH, Prati Pal Biotechnology/Parasitology/Neuro

Immunomodulation.

Neurogenetics.

Molecular Virology and Immunology.

Molecular Oncology/Immunology/

Infectious Diseases/Pulmonary Medicine.

SINGH, Sunit Kumar

SINHA, Sanjeev

SINHA, Subrata

SISODIA. Sangram Singh SOMASUNDARAM, Kumaravel SRIMAL, Rikhab Chand SRIVASTAVA, Achal Kumar

SRIVASTAVA, Padma Vasantha SUNDAR, Shyam

SUR, Deepika

SURI, Anil SURI, Ashish

SUSARLA, Krishna Shankar

SWAMINATHAN, Soumya

TAKEDA, Yoshifumi TALWAR, Gursaran Parshad

TANDON, Nikhil

TANDON, Prakash Narain TANDON, Radhika

TEWARI, Swarup Narain

THAMPAN, T.N. Raghava Varman Molecular

THANGARAJ, Kumarasamy

THELMA, B.K.

THYAGARAJAN, Sadras P. TOLE, Shubha TRIGUN, Surendra Kumar TRIPATHI, Manjari TRIPATHY, Sriram Prasad TYAGI, Jaya Sivaswami

VALECHA, Neena VALIATHAN, Martanda V. S.

VARMA, Shambhu Dayal VRATI, Sudhanshu

WANI, Mohan Ramachandra

WADHWA, Shashi

Cancer Biology/Genetics/Virology. Pharmacology/Toxicology/Natural Products. Movement Disorders/Epilepsy/Clinical Neurophysiology.

Neurobiology/Biochemistry/Cell Biology.

Stroke/Multiple Sclerosis/Vascular Dementia. Infectious Diseases/Medicine/Visceral Leishmaniasis.

Clinical Medical Sciences/Epidemiology/

Clinical Trials.

Cancer Biology/Cell Signaling/Gene Silecing. Neurosurgery with special reference to : Skull

Base Surgery & Neurovascular Neurosurgery/Minimally Invasive Neurosurgery: Neuro-endoscopy/Neuro-Oncology/Epilepsy Surgery.

Neuropathology/Neurosciences/Medical

Sciences.

Basic and Clinical Medical Sciences/Infectious

Diseases.

Bacteriology/Infectious Diseases. Endocrinology/Reproductive Biology &

Immunology.

Endocrinology (Diabetes; Thyroid disease;

Metabolic Borne Disease). Neuro Surgery/Neurosciences. Ophthalmology/Cornea and Eye

Banking/Cataract and Refractive Surgery. Forensic Science, Medicolegal Toxicology Narcotic Drug, Firearms, Documents &

Physical Chemistry.

Endocrinology (Molecular

Mechanisms in Estrogen Action). Population Genetics/Medical Genomics/Forensic Genetics.

Human Genetics/Pharmacogenetics/Medical Genomics.

Microbiology/Virology/Biotechnology. Neuroscience/Developmental Biology. Neurobiology/Cancer Biology/Biochemistry. Epilepsy/Sleep Disorders/Dementia.

Tuberculosis/AIDS.

Molecular Biology/Mycobacteriology. Vaccine Development/ Bioinsecticides. Medical Science/Pharmacology/Malaria. Cardiac Surgery/Cardio Vascular

Materials/Ayurveda.

Biochemistry/Metabolism/Enzymology. Molecular Virology/Vaccinology/

Biotechnology.

Neurobiology/Developmental Neuroscience. Bone and Cartilage Remodeling and Medicine, Osteoimmunology, Stem Cell Science and Regenerative Medicine. Medical Sciences/Biochemistry.

ZAIDI, Mone

Physical Sciences
(Astronomy, Astrophysics, Experimental and Theoretical Physics, Applied Physics)

Name	Specialization
AGARWAL, Girish Saran	Quantum Optics/Laser Physics/Statistical Mechanics.
AGARWAL, Satish Chandra	Solid State Physics/Amorphous Semiconductors/Nano-Crystalline Semiconductors.
AGRAWAL, Bal Krishna	Condensed Matter Physics/ Nanomaterials/Superconductivity.
AGRAWAL, Prahlad Chandra	Experimental High Energy Astrophysics/X-ray Astronomy/Radiation Detectors for Space Missions.
AMRITKAR, Ravindra Eknath	Complex Systems/Nonlinear Dynamics/Chaos.
ANANTHAKRISHNAN, S.	Radio Astronomy/Interferometry/Antenna Design.
ANUPAMA, G.C. ARVIND	Astronomy/Astrophysics. Quantum Information and Quantum Computation/Foundations of Quantum Mechanics/Quantum Optics.
ASHTEKAR, Abhay Vasant	General Relativity/Quantum Theory/Geometry.
ASWAL, Dinesh Kumar	Molecular-Electronics/Thermoelectrics/ Metrology.
BALKANSKI, Minko	Solid State Physics.
BANERJEE, Dipankar	Astrophysics/Solar Physics/Plasma Physics.
BANERJEE, Rabin	Physics (High Energy Physics).
BANERJEE, Subhashish	Open Quantum Systems/Quantum Information and Quantum Field Theory.
BARMA, Mustansir	Statistical Physics.
BARSHILIA, Harish Chandra	Thin Films/Surface Science/Solar Energy.
BASAK, Durga	Thin Films/Electrical Transport Properties/ Opto-electronic Devices.
BECKER, Edwin D.	Spectroscopy/Nuclear Magnetic Resonance.
BHANDARI, Narendra	Nuclear Geophysics/Astrophysics.
BHARADWAJ, Somnath	Astrophysics/Cosmology.
BHAT, Subray Venkatraman	Condensed Matter Physics/EPR/NMR.
BHATNAGAR, Anil K.	Solid State Physics/Magnetism/Low Temperature Physics/Thin Films/ Materials Science.
BHATNAGAR, Shanti Swaroop	Raman Spectroscopy.
BHATTACHARJEE, Jayanta K.	Critical Phenomena/Turbulence/Non Linear Dynamics.
BHATTACHARYA, Dipankar	High Energy Astrophysics/Computational Astrophysics.
BHATTACHARYYA, Gautam	Particle Physics/Phenomenology.
BHAWALKAR, Dilip Devidas	Lasers/Non-Linear Optics.
BHOWMIK, Ranjan Kumar	Nuclear Physics/Electronic Instrumentation.

BOSE, Indrani Theoretical Physics/Cross Disciplinary

Physics.

BUTI, Bimla

BUDHANI, Ramesh Chandra Supercondutivity Magnetism/Low

Temperature.
Plasma Physics.

CHADDAH, Praveen Low Temperature Physics/Superconductivity.

CHANDRA, Ashoka Technical Education/Solid State

Physics/Electronics & Tele-communication.

CHANDRA, Poonam Astronomy and Astrophysics/Radio Astronomy/X-Ray Astronomy.

CHANDRASEKHARA, B.C.
CHAPLOT, Samrath Lal
MHD/Plasma/Heat Transfer.
Condensed Matter Physics/Neutron
Scattering/Lattice Dynamics.

CHATTOPADHYAY, Kalyan K. Nanoscience and Nanotechnology/

CHATTOPADHYAY, Sulkahan

CHATTOPADHYAY, Sulkah

CHATTOPADHYAY, Sukalyan Experimental Nuclear and High Energy Physics.

CHATURVEDI, Subhash Quantum Information/Open Quantum

Systems/Quantum Phase Space Distributions.

CHENGALUR, Jayaram N. Radio Astrophysics.

CHIDAMBARAM, Rajagopala Material Science/High Pressure

Physics/Neutron Crystallography/Nuclear Technology/Sustainable Development. Theoretical Astrophysics/Solar Physics/

CHOUDHURI, Arnab Rai Theoretical Astrophysics/Solar Physics/ Magnetohydrodynamics/History of Science.

CHOUDHURY, Debajyoti Cosmology/High Energy Physics.

CHOWDHURY, Debashish Statistical Physics/Biological Physics/Complex

Systems.

CHUTIA, Joyanti Plasma Physics/Solid State Physics.
COHEN-TANNOUDJI, Claude N. Atomic, Molecular and Optical Physics.

COWSIK, Ramanath Astrophysics/Elementary

Particles/Cosmology/Gravitation.

DAS SARMA, Dipankar Physics and Chemistry of Solids/Nano

Materials/Energy Materials.

DAS, Amita Plasma Physics.

DAS, Bijoy Kishore Materials Science/Metallurgy/Electronics

Materials.

DAS, Shankar Prasad Statistical Physics/Soft-Matter/Non-

Equilibrium Dynamics.

DASGUPTA, Chandan

DASS, N.D. Hari

Theoretical Condensed Matter Physics.

Quantum Field Theory/Gravitation and Astrophysics.

DATTA, Swapan Kumar Nuclear Physics.

DATTAGUPTA, Sushanta Non-equilibrium Statistical Mechanics/

Structure & Dynamics of Condensed Matter.
String Theory/Quantum Field Theory/Black
Holes

DEEKSHATULU, Bulusu L. Remote Sensing/Image Processing/System

Engg./Machine Learning.

DESAI, Jyotindra N. Spectroscope observations in Solar

Corona, Planetary Nebulae. Condensed Matter Physics.

DESHMUKH, Mandar Madhukar C

DAVID, Justin Raj

Surfaces, Interfaces and Thin Films/

DEV. Bhupendra Nath

Nanoscale Physics/X-ray Physics/Ion-Solid Interactions/Quantum Structures/ Quantum Science and Technology. DEWANGAN, Durga Prasad Theoretical, Atomic and Molecular Physics. Statistical Physics/Condensed Matter Physics. DHAR, Abhishek Statistical Physics. DHAR, Deepak DHURANDHAR, Sanjeev Vishnu Gravitational Waves/General Relativity. GAMBHIR, Yogendra Kumar Sub-Atomic Physics/Theoretical Physics. GATTAMRAJU, Ravindra Kumar Intense Laser-Matter Interactions/Extreme States/Nonlinear Optics. Fiber Optics/Quantum Mechanics. GHATAK, Ajoy Kumar GHOSE, Partha (Sarathy) Foundations of Quantum Theory. Experimental Condensed Matter Physics at GHOSH, Arindam Ultra-low Temperature/Nano Electronics/ Semiconductor Physics. GHOSH, Nirmalya Optical Physics/Photonics/Experimental Physics. Infrared Astronomy/Interstellar GHOSH, Swarna Kanti Medium/Astronomical Instrumentation. GODBOLE. Rohini Madhusudan Theoretical High Energy Physics. GODWAL, Budhiram Kulanand Condensed Matter Physics/High Density Matter/Plasmas. Theoretical Physics/Quantum Field Theory/ GOPAKUMAR, Rajesh String Theory. GOSWAMI, Srubabati Neutrino Physics. Particle Physics/Astro-Particle Physics. GOYAL, Ashok Kumar GROVER, Arun Kumar Magnetism/Superconductivity/Vortex State Studies/Exchange Bias Phenomenon. GUPTA, Laxmi Chand Superconductivity and Magnetism in quaternary borocarbides, NMR/NQR/Mu-SR, Valence Fluctuations and Heavy Fermions. GUPTA. Manoranian Prasad X-Ray Diffraction. Laser Plasma Interaction/High Intensity GUPTA, Parshotam Dass Laser/X-ray and Plasma Diagnostics, Synchrotron Radiation Sources. Superconducting RF Cavities. Lasers/Biomedical Applications of Laser/Non-GUPTA, Pradeep Kumar linear Optics. GUPTA, Sunil Kumar Physical Sciences. GUPTA, Vishwambhar Dayal Study of Macromolecules. GUPTA. Yashwant Astronomy/Astrophysics. GUPTE, Neelima Madhukar Nonlinear Dynamics/Statistical Physics/ Complex Systems. HOME, Dipankar Foundation of Quantum Mechanics/Quantum Information. JATKAR, Dileep Prabhakar String Theory/Gange Theories. Forensic Ballistics/High Speed JAUHARI, Mohan Photography/Quality Testing and Evaluation of Materials and Products. Solid State Spectroscopy/Photonics/Oppical JAYASANKAR, C. Kulala and Laser Materials.

JHA. Sudhanshu Shekhar Solid State Theory/Opto Electronics/Raman

> Spectroscopy. Astrophysics.

JOG, Chanda J. High Energy Physics Theory. JOGLEKAR, Satish Dinkar

JOSEPH, George Remote Sensing/Space Instrumentation.

JOSHI, Murli Manohar Spectroscopy. Theoretical JOSHI, Pankaj S.

Astrophysics/Cosmology/Gravitation.

JOSHIPURA, Anjan High Energy Physics.

KANDPAL, Hem Chandra Standards/Optics/Quantum Optics. KANEKAR, Nissim Galaxy Evolution/Fundamental Constant

Evolution/Radio Astronomy.

KANJILAL, Dinakar Condensed Matter Physics & Materials

Sciences/Accelerator Physics & Technology.

KAPOOR, Shyam Sunder Nuclear Physics/Nuclear Particle

Detectors/Particle Accelerators & Applications.

KASTURIRANGAN, Krishnaswamy Astronomy/Astrophysics/Satellite Technology/

Remote Sensing/Science Technology

Education Policy.

KEMBHAVI, Ajit Keshav Extragalactic Astronomy/Theoretical

Astrophysics/Data Analysis.

Plasma Physics/Statistical Mechanics. KHARE, Avinash KHARE, Neeraj Superconductivity/Magnetism Nano

Functional Oxide.

Atomic and Molecular Physics/Theoretical KHARE, Satya Prakash

Physics.

KIRAN KUMAR, Alur Seelin

Space Technology and Applications. KOTNALA, R.K. Magnetic Materials/Nanotechnology/Ethics.

KRISHNA, Gopal Radio Astronomy/Active Galaxies/ Observational Cosmology.

KRISHNAMURTHY, H.R. Condensed Matter Physics/Statistical Physics/Quantum Many Body Theory.

KRISHNAWARRIER, G.S. Magnetism/Spintronics/Topological Materials. KULKARNI, Sulabh Kashinath Surface Science/Material Science/

Nanotechnology.

KUNDU, Anirban Theoretical Particle Physics/High Energy

Phenomenology.

Theoretical Physics - Nonlinear Dynamics. LAKSHMANAN, Muthusamy LAKSHMINARAYANAN, V. Optics & Photonics/Optometry/Biomedical and

Electrical Engineering.

Physics of Materials. LAL, Krishan LAL, Siddheshwar Cosmic Rays and High Energy Physics.

Theoretical Chemistry and Physics/ LOGAN, David Edwin Condensed Matter Theory/Quantum many-

body theory.

Nanosciences/Nanotechnology/ MAAZA, Malik

Nanomaterials.

MAITI, Kalobaran Correlated Electron Systems/Electron

Spectroscopy/Magnetism, Super-conductivity

and Topological Order.

MAJUMDAR, Alak Kumar Magnetism/Low-Temperature Physics. MAJUMDAR, Parthasarathi Gravitational Theory including Black Hole

Physics/Gauge Field Theory.

MAJUMDAR, Pinaki Condensed Matter Physics.
MAJUMDER, Gobinda Experimental High Energy Physics..
MALHOTRA, Bansi Dhar Biomolecular Electronics/Biosensors

Biomolecular Electronics/Biosensors/Nano-Biomaterials/Ordered Molecular Assemblies,

Conducting Polymers.

MANCHANDA, Ravinder Kumar X-Ray & Y-Ray Astronomy/Space

Instrumentation/Aerosol Physics.

MANDAL, Bhabani Prasad Quantum Field Theory:Finite BRST
Transformation/Non-Hermit- ian Quantum

Theories & Applications/Exceptional Orthogonal Polynomials & Rational Extension

of Quantum Theories.

MANDE, Chintamani X-Ray Spectroscopy/Solid State Physics/Materials Science.

MANI, H.S. Particle Physics.

MATHUR, Parmatma Chandra

Semiconductor Materials/Electronic
Devices/Solid State Electronics.

MAZUMDAR, Indranil

Experimental Nuclear Physics/Nuclear
Instrumentation/ Phenomenological

Calculations.

MEHROTRA, Suresh Chandra Time Domain Dielectric

Spectroscopy/Microwaves/Speech

Processing.

MEHTA, Girijesh Kumar

Nuclear Physics & Accelerator Based
Materials Science and Applications.

MISHRA, Phool Chand Molecular Spectroscopy/Electronic Structure

Theory/Biomolecular Properties and

Reactions.

MISRA, Anuradha Theoretical High Energy Physics.

MITRA, Asoke Nath Nuclei/Particles & Fields.

MITRA, Parthasarathi
MIYAKE, Saburo
MOHANTA, Rukmani
MOHANTY, Ajit Kumar
MOHANTY, Bedangadas

Theoretical Physics (Field Theory).
Cosmic Rays, Elementary Particles.
Theoretical High Energy Physics.
Nuclear Physics (Heavy Ion Collisions).
Experimental High Energy Physics/

Phenomenology of Quark Gluon Plasma/Dark

Matter Search.

MOHANTY, Subhendra Particle Physics/Cosmology/Astroparticle

Physics.

MOHAPATRA, Rabindra N. Particle Theory/Field Theory/Cosmology.

MONDAL, Naba Kumar

High Energy Physics/Neutrino
Physics/Particle Detectors.

Physics/Particle Detectors.

MONDAL, Pronab Kumar Fourier Optics/Holography/Image Processing.

MUKHOPADHYAYA, Biswarup

Theoretical High Energy Physics.

High Energy Nuclear Physics/Finite

Temperature Field Theory/ Effective QCD

Model.

NAGARAJAN, Radhakrishnan Superconductivity/Valence

Fluctuation/Mossabauer Spectroscopy/Instrumentation.

NAIK, Prasad Anant Lasers, Laser Produced Plasma, High Power

Lasers, X-Ray Laser.

NARASIMHAM, Syamala Vemuri Cosmic Rays/Particle Physics.

NARASIMHAN, Shobhana Condensed Matter Physics/Materials

Science/Nanoscience.

NARAYAN, K.S. Experimental Solid State/Materials Physics/

Energy Research/Bioelectronics.

NARAYANA, Chandrabhas Experimental Condense Matter Physics/Light

Scattering/High Pressure Research/Nano-

Biotechnology.

NARLIKAR, Anant Vishnu Superconductivity and Condensed Matter and

Materials Science.

Cosmology and Astrophysics. NARLIKAR, Jayant Vishnu NATARAJAN, Srinivasa High Pressure Physics/X-Ray

Crystallography/Materials Science/Creativity.

NAYAK, Tapan Kumar Experimental Nuclear and Particle Physics/

Phases of Nuclear Matter/Quark Gluon

Plasma.

NITYANANDA, Rajaram Optics/Statistics/Dynamics Especialy in

Astronomy/Physics Education.

OGALE, Satishchandra Balkrishna Advanced Materials/Clean Energy.

OJHA, Devendra Kumar

Star Formation & Interstellar Medium/Infrared Astronomy/ Astronomical Instrumentation.

Quantum Theory/Gravitation/Cosmology and PADMANABHAN, Thanu

Structure Formation in the Universe. **Experimental Condensed Matter** 

PAL, Amlan Jyoti Physics/Organic Electronics/Device Physics.

Field Theory/String Theory/String Cosmology. PANDA, Sudhakar PANDEY, Anil Kumar Star Formation/Star Clusters/Gravitational

Lensing.

PANDEY, Dhananjai Ferroics and Multiferroics/Phase

Transitions/Materials Science.

PANDEY, Prem Chand Satellite Oceanography/Atmospheric

Sciences/Climate Change and Polar

Research.

PANDITA. Pran Nath Theoretical High Energy Physics/Astroparticle

Physics.

Field Theory/Quantum Computation. PANIGRAHI, Prasanta Kumar

PATEL, C.K.N.

PATI, Arun Kumar

Laser/Quantum Electronics/Bioengineering. PATHAK, Anand Prakash Condensed Matter Physics/Ion-Solid

> Interactions/Ion Beams Studies of Nano-Materials-Synthesis, Modification and

Characterization.

PATHAK, Anirban Quantum Information/Quantum Optics/

Physics.

PATHAK, K.N. Condensed Matter Physics/Liquid State

Dynamics/Electron Fluids/Nano-Science and

Cold Atomic Quantum Gases. Quantum Information/Quantum

Computation/Quantum Theory.

PATI, Jogesh Chandra Theoretical Particle Physics.

PHILIP, John Magnetic Nanomaterials/Nanofluids/Soft

Matter.

Aeronomy/Space Physics. PRAKASH, Satya PRASAD, Rajendra Condensed Matter Physics.

RAJAGOPAL, Erode Subramanian Condensed Matter Physics/Instrumentation.

RAJASEKARAN. Guruswamv Quantum Field Theory/High Energy Physics. Particle Physics/Field Theory. RAMACHANDRAN, R. Applied Physics/Optics (Classical and RAMAKRISHNA, S. Anantha Quantum)/Micro, Nanostructured Materials. RAMAKRISHNAN, Tirupattur V. Condensed Matter Physics. RAMAMURTHY, V. Subramanian Inter-disciplinary Approaches to Science, Technology and Society, Science & Technology Communication, Managing Public Perceptions and Public Acceptance of Public Risks with Specific Reference to New and Emerging Technologies. Crystal Growth. RAMASAMY, P. RAMASWAMY, Sriram Rajagopal Soft-matter/Nonequilibrium/Biological Physics. RANGANATH, Gobbalipur S. Liquid Crystals/Optics. RANJAN, Rajeev Materials Science/Piezoceramics. RAO, D. Narayana Atmospheric Science/Space Physics/Electronics. Theoretical Condensed Matter Physics. RAO. Sumathi RAY, Samit Kumar Device Physics/Semiconductor Nanostructures/Quantum Photonics. RAYCHAUDHURI, Amitava Particle Physics. RAYCHAUDHURI, Arup Kumar Solid State Physics/Experimental Physics/R&D Management. RAYCHAUDHURY, Somak Astronomy/Astrophysics/Cosmology. RINDANI, Saurabh Dilsukhray Particle Physics. ROY, Amit Nuclear Physics/Acceleration Physics. ROY, Probir Particle Physics: Field Theory & Phenomenology/Astroparticle Physics. High Energy Physics/Foundations of Quantum ROY, Shasanka Mohan Theory. SAGAR, Ram Optical Astronomy/Star Clusters/AGNS/GR Bursts/Astrophysics/Microlensing. SAHA-DASGUPTA, Tanusri Condensed Matter Physics/Materials Science/Electronic Structure. Astrophysics. SAHNI, Varun Condensed Matter Physics/UHV Based SAHNI, Vinod Chandra Analytical Instrumentation//Particle Accelerators. Many-Body Methods/Atomic Theory/Sub-SAHOO, Bijaya Kumar Atomic Phenomena. Astronomy/Astrophysics. SAIKIA, Dhruba Jyoti SAMI, Mohammad Cosmology/Gravitation/High Energy Physics. Magnetism/Superconductivity/Alloys/ SAMPATHKUMARAN, Echur V Multiferroics. Condensed Matter Physics/Surface Science/ SANYAL, Milan Kumar Nano-materials/Synchrotron X-Ray Scattering. SARIN, Manmohan Atmospheric and Aerosol Chemistry/Oceanography. Theoretical Particle and Astroparticle Physics. SARKAR, Utpal SASTRY, Srikanth Theoretical Physics/Applied Physics.

Plasma Physics/Nonlinear Dynamics.

Gravity/Cosmology/Astrophysics.

String Theory.

SEN, Abhijit

SEN, Ashoke

SEN, Anjan Ananda

SEN, Diptiman Theoretical Condensed Matter Physics/Quantum Field Theory. SENGUPTA, Amitava Radio Physics/Electronics/Time & Freq. Standards. SENGUPTA, Krishnendu Condensed Matter Theory. SENGUPTA, Soumitra High Energy Physics/Gravitation & Cosmology/String Theory. SENGUPTA, Surajit Condensed Matter Theory/Statistical Mechanics/Materials Science. Materials under high pressures - Experiments SHARMA, Surinder Mohan and theory/Development of Beamlines for Indus-2 Synchrotron.

SHASTRY, Balajapalli Sriram

Condensed Matter Theory/Statistical Mechanics.

SHIVPURI, Ram Krishna High Energy Physics (Experimental).
SHRIVASTAVA, Keshav Narain Solid State Physics/ Superconductivity/ Quantum Hall Effect.

SHUKLA, Prabodh
SIKKA, Satinder Kumar
Condensed Matter Physics.
High Pressure and Shock Waves
Physics/Neutron and X-ray
Crystallography/Nuclear Explosions.

SINGH, Chandra Prakash Quark Gluon Plasma/Particle

Physics/Cosmology.

SINGH, Kamal Priya Ultrafast Laser Physics/Quantum Dynamics/

Biophysics.

SINGH, Kulinder Pal X-ray Astronomy, X-ray Instrumentation,
Clusters of Galaxies, Active Galactic Nuclei,
Catachysmic Variables and Stellar Caronac

Cataclysmic Variables and Stellar Coronae. Singular Optics/Light Scattering/Quantum

Optics.

SINGH, Virendra Theoretical Physics/High Energy

SINGH, Ravindra Pratap

Physics/Foundation of Quantum Mechanics. SINGH, Yashwant Condensed Matter Theory/Statistical

Physics/Theoretical Biology.

SINGRU, Ramesh Madhao

Nuclear Physics/Band Theory of Solids/Positron Annihilation.

SINHA, Bikash Chandra

High Energy Physics/Quark Gluon Plasma/Early Universe Cosmology.

SINHA, Krityunjai Prasad

Solid State Physics/Theoretical

SINHA, Krityunjai Prasad
Solid State Physics/Theoretical
Physics/Condensed Matter Nuclear Science.
SIROHI, Rajpal Singh
Applied Optics/Coherent Optics/Optical

Metrology/Laser Based Instrumentation.

SODHA, Mahendra Singh
SOMA, Venugopal Rao

Metrology/Laser Based Instrumentation.
Energy/Plasmas/Applied Physics.
Ultrafast Laser Spectroscopy/Ultrafast
Nonlinear Optics/ Explosives Detection.

SOOD, Ajay Kumar Experimental Condensed Matter Physics/Soft Condensed Matter/Quantum Materials.

SOOD, Prakash C. Nuclear Physics.

SOURADEEP, Tarun Cosmology: Cosmic Microwave Background/ Gravitation: Gravitational Waves/Ultra-

HEP:Early Universe Physics.

SREEKANTAN, Badanaval V. Cosmic Rays/High Energy Physics and

Astronomy.

SRINIVASA RAO, Killampalli Quantum Theory of Angular Momentum/Quantum Groups & Algebras/Special Functions. Ferromagnetic Relaxation & SRIVASTAVA, Chandra Mani Superconductivity. Quark Gluon Plasma, Energy and SRIVASTAVA, Dinesh Kumar Environment, Science Communication. SRIVASTAVA, K.K. Semiconductor Physics. Solid State Physics. SRIVASTAVA, Pyare Lal SRIVASTAVA, Ramesh Chandra X-Ray Crystallography/Crystal Physics. SRIVASTAVA, Shyam Lal Microwaves/Molecular Interactions/Phase Transitions. STAROBINSKY, Alexei A. Cosmology/General Relativity/Astrophysics. SUBRAHMANYAN, Ravi Astronomy/Observational Cosmology/Signal Processing. SUBRAMANIAM, Annapurni Astronomy & Astrophysics/Star Clusters/ Stellar Population/UV Astronomy/Astrosat. Theoretical Astrophysics. SUBRMANIAN, Kandaswamy Condensed Matter Physics/Positron SUNDAR, C.S. Annihilation Spectroscopy and Infrared Spectroscopy. SUNDARA, Ramaprabhu Nanomaterials/Secondary Batteries/Hydrogen Energy. SUNDARRAJAN, Asokan High Pressure Instrumentation & Research/Amorphous Semiconductors/Fiber Optic Sensors. TREHAN, Parma Nand Nuclear Physics/XRF Technique. Space Guidance & Control/System & VASAGAM, Ramaswamy Manicka Engineering/Engineering Education. Condensed Matter Physics. VENKATARAMAN, Ganesan VERMA, Mahendra Kumar Turbulence/Nonlinear Physics/Nonequilibrium Statistical Physics. VERMA, Mahendra Pratap Solid State Physics/Plasma Physics. Solid State Physics. VIJAYARAGHAVAN, Ramanuja VIYOGI, Yogendra Pathak Experimental Nuclear Physics. Quantum Field Theory/String WADIA, Spenta Rustom Theory/Quantum Gravity. WAGHMARE, Umesh Vasudeo Multi-functional oxides/Nanomaterials/Geometric Phases. Theoretical Nuclear Physics. WAGHMARE, Yeshwant R. YADAV, Bal Chandra Applied Physics/Nanoscience & Nanotechnology/Physics and Technology of Sensors. YAKHMI, Jatinder Vir Superconductivity/ Magnetism/Molecular

YUSUF, Seikh Mohammad

Electronics/Molecular Magnets/Sensors.

Matter Physics.

Magnetism/Neutron Scattering/Condensed

## **Plant Sciences**

(Structural, Developmental, Functional, Genetical, Ecological, Taxonomical and Evolutionary Aspects)

Name	Specialization
ABHILASH, Purushothaman C.	Ecology/Environment & Sustainable Development.
ABROL, Yash Pal	Agriculture/Crop Physiology/Land Use/Climate and Agriculture.
AGARWAL, G.P. AGRAWAL, Hari Om AGRAWAL, Madhoolika	Mycology/Microbiology/Plant Pathology. Virology/Microbiology/Biotechnology. Ecology/Environmental Science/Global
AGRAWAL, Shashi Bhushan ARNTZEN, Charles Joel ARUNACHALAM, Vaidheeswara	Climate Change/Air Pollution and Plants. Environmental Science/Ecology/Air Pollution. Photosynthesis/Plant Molecular Biology. Quantitative Genetics/Plant Breeding/ Participatory Plant Breeding/Biodiversity.
ASIF, Mehar Hasan	Transcriptomics/Genomics/Evolutionary Biology.
ASTHANA, Ravi Kumar	Phycology in the area of Stress Biology/Drug Discovery/ Environmental Biotechnology.
BAHL, Prem Nath BANERJEE, Anjan Kumar	Plant Breeding/Genetics. Plant Developmental Biology/Plant molecular Biology/Long Distance Signaling in Plants.
BANERJEE, Manju	Palaeobotany/Palaeopalynology/ Biostratigraphy/Environment.
BANERJEE, Suchitra	Medicinal & Aromatic Plant Biotechnology/Cell and Tissue Engineering/In-vitro Secondary Metabolite Production.
BANSAL, Kailash Chander	Molecular Plant Physiology/Agri. Biotechnology/GM Crops and Crop Diversity.
BAPAT, Vishwas Anant BARIK, Saroj Kanta	Plant Sciences/Agriculture. Ecology/Biodiversity and its Conservation/Environmental Biotechnology.
BASU, Rathindra Narayan BASUCHAUDHARY, K.C. BATISH, Daizy Rani	Plant Physiology/Seed Physiology. Seed/Soil-borne Diseases. Weed Ecology/Chemical Ecology/Environment Science.
BAULCOMBE, David C. BAWA, Kamaljit S. BEACHY, Roger N.	Genetics/Plant Pathology. Population Biology/Ecology/Evolution. Plant Sciences/ Molecular Biology/Virology/ Biotechnology.
BHATIA, Chittranjan	Genetics & Plant Breeding/Biotechnology/Agriculture.
BHATIA, Sabhyata	Plant Biotechnology/Structural and Functional Genomics.
BHATLA, Satish Chander	Plant Physiology and Biochemistry/Plant Growth and Development.
BHATNAGAR, Ashok Kumar	Reproductive Biology/Systematics/ Environmental Biology.
BISEN, Prakash Singh BISWAL, Udaya Chand	Microbiology and Biotechnology. Photosynthesis/Leaf Senescence/Plant Photoreceptors.
BOISSYA, Champok Lall	Plant Physiology/Plant Biochemistry/Medicinal Plants/Algology.

CHAKRABARTI, Nirmal Kumar Plant Pathology (Rice)-Epidemiology/Disease Resistance/Chemical Control. Stress Physiology/Plant Proteomics/Plant CHAKRABORTY, Niranjan Molecular Biology. Vernalization/Growth Hormones. CHAKRAVARTY, S.C. CHANDRA, Naresh Plant Morphogenesis/Biotechnology. CHATTOPADHYAY, Debasis Abiotic Stess/Plant Genomics. CHATTOPADHYAY, Sharmila CHATTOPADHYAY, Sudip Plant Defense/Medicinal Plants Developmental Biology/Signal Transduction. Plant Biotechnology & Morphogenesis in Plant CHATURVEDI, Harish Chandra Tissue Culture. Reproductive Biology/Male sterility. CHAUHAN, Shyam Vir Singh CHINTALAPATI, Venkata Ramana Bacterial Taxonomy/Metabolism. CHOWDHERY, Harsh Ji Floristics/Taxonomy of Angiosperms (Orchids)/Plant Conservation. DAS, Premananda Plant Biotechnology/Plant Physiology/ Medicinal and Aromatic Plants, Bioenergy.
Plant Molecular Biology and Plant Pathogen DAS, Sampa Interaction Study. Plant-virus interactions/Transgenic virus DASGUPTA, Indranil resistance in plants/Virus-induced gene silencing. DATTA, Sourav Developmental Biology/Functional Genomics/Genetics. Plant Biotechnology and Agriculture Science/ DATTA, Swapan Kumar Policy. Mycology-Aquatic, Soil & Nematophagus. Plant Molecular Biology/Plant Genomics. DAYAL, Ram DEY, Nrisingha DHAR, Manoj Kumar Genomics/Molecular Cytogenetics. DHAR, Uppeandra Conservation Biology/Plant Ecology/Exsitu Conservation. DHAWAN, Vibha Plant Biotechnology. DHILLON, Baldev Singh Plant Breeding/Quantitative Genetics/Biotechnology/Plant Genetic Resources. Microbiology/Plant Pathology/Angiosperms' DIKSHIT, Anupam Taxonomy. Microbial Physiology/Fungal DUBE, Harish Chandra Biotechnology/Agricultural Microbiology. Plant Pathology/Angiosperm Taxonomy/ DUBEY, Nawal Kishore Bioprospection. GADGIL, Madhav Dhananjaya Ecology.
Plant Tissue Culture/Biotechnology/Plant GANUGAPATI, Lakshmi Sita Molecular Biology.
Plant Systematics/Ethnobotany/Conservation GAUR, R.D. Biology GHOSH, Bharati GHOSH, Sibdas Plant Physiology/Plant Molecular Biology. Cell Biology/Cytogenetics. GHOSH, Sumit Plant Biochemistry/Plant Molecular Biology/Plant Specialized Metabolism. GILL, Bikram S. Genetics/Biotechnology/Plant Protection. Plant Defense Mechanisms/Molecular Insect-Plant Interaction and Plant Secondary GIRI, Ashok Prabhakar Metabolic Pathways. Plant Nutrition/Genomics/Root Development. GIRI, Jitender GOHIL, Ravinder Nath Cytogenetics/Ethnobotany. GOVINDJEE, Govindjee Photosynthesis/Photobiology.

Plant Abiotic Stress Biology.

GROVER, Anil

Plant Sciences 421

Ecotoxicogenomics/Plant Molecular GUPTA, Meetu Biology/Environmental Biotechnology. Ecology/Floristics/Integrated Resource GUPTA, Raj Kumar Management in Watersheds of Mountain &

Desert Areas.
Plant Pathology.
Developmental and Environmental HUSAIN, Akhtar IQBAL, Muhammad

Botany/Medicinal Plants. Physiology/Stress Physiology/Molecular IYENGAR, Echiambady R.R.

Biology. Applied Physics/Electronics and JAGADISH, Chennupati

Telecommunications/ Chemical and Materials

Technology.
Plant (Epi) Genomics/Computational JAIN, Mukesh

Biology/Genome Informatics/ Biotechnology. JAIN, Sudhanshu Kumar Taxonomy/Ethnobotany/Medicinal Plants. JALALI, Bushan L. Plant Pathology/Microbiology/IPM/Research

Management.

Plant Cytogenetics/Biotechnology/Plant JAUHAR, Prem Prakash

Breeding.

Plant Molecular Biology & Biotechnology/ JHA, Bhavanath

Stress Genomics/Gene Mining and Translational Research/Marine Biotechnology/Biodiversity Mapping &

Bioprospection.

Plant Genetics/Medicinal Plant Biotechnology. JHA, Sumita JOHRI, Bhavdish Narain

Microbial Diversity and Ecology. KAPOOR, Meenu

Developmental Biology/Functional Genomics/

Plant Epigenetics.
Plant Reproduction/Seed Development/ KAPOOR, Sanjay

Functional Genomics.

Nitric Oxide Signaling/Mitochondrial KAPUGANTI, Jagadis Gupta Metabolism/Plant Response to Flooding.

Plant Physiology.

KAVI KISHOR, P.B. Genetics/Radiation Biology/Sustainability KESAVAN, Parthasarathy Chenna

Science.

Plant Hormones/Metabolomics/Abiotic Stress. KHAN, Nafees Ahmad

Physiology/Bio-chemistry.

KHANNA-CHOPRA, Renu

Plant Physiology.

Molecular and General Genetics/Plant KHANUJA, Suman Preet Singh

Improvement/Biotechnology, Nutraceuticals & Functional Foods.

KHAREEDU, Venkateswara Rao Plant Molecular

Biology/Transgenics/Functional Genomics.

Fungal Diversity/Bioactive Natural KHARWAR, Ravindra Nath

Compounds/Endophytes Mediated Plant

Stress Management.

KHULLAR, Surinder Pal Pteridophytes & Angiosperm Taxonomy/

Systematics/ Floristics/Cytology. Plant Molecular Biology/Genetic

Transformation of Crop Plants/Genomics and

Bioinformatics.

KIRTI. Pulugurtha Bharadwaia Plant Molecular Biology/Biotechnology.

KOHLI, Ravinder Kumar

Ecology/Forestry/Weed Science/Ecophysiology.

Plant Ecology.

Plant Tissue Culture/Transgenics/Plant Biotechnology/Nanobiotechnology.

KORNER, Christian

KHURANA, Paramjit

KHANNA, Pushpa

KOTHARI, S.L.

KRISHNAMURTHY, K. Mangrove Forest/Ecosystems/ Ecology/Biological Oceanography/ Ocean Management/Environmental Affairs. KRISHNAMURTHY, K.V. Plant Morphogenesis/Reproductive Ecology/Histochemistry.
Algology/Microbiology/Environment. KUMAR, Har Darshan KUMAR, S.S. Bryology. High Altitude Biology/Plant Adaptation/Stress Physiology/Metabolic Engineering/ KUMAR, Sanjay Bioprospecting genes/ Enzymes/Livelihood Generation. KUMAR, Virendra Cytogenetics/Mountain Ecosystems Conservation and Development. KUSHWAHA, Satya P. Singh Ecology/Biodiversity/Geoinformatics. Plant Biochemistry and Molecular LAHIRI MAJUMDÉR, A.N. Biology/Plant Biotechnology. Plant Molecular Biology.
Plant Physiology/Plant Biochemistry/Animal LAKSHMIKUMARAN, Malathi LALORAYA, M.M. Endocrinology.

Molecular Cytogenetics/Cytogenetics in Plant
Breeding/Eco-technology. LAVANIA, Umesh Chandra Plant Physiology/Plant Molecular Biology/ LAXMI, Ashverya Plant Signal Transduction. Plant Biology and Molecular Biology. Plant Molecular Biology/Biochemistry. MAHESHWARI, Satish Chandra MAJEE, Manoj Algal Biotechnology.
Taxonomy/Ecology/Ethnobotany.
Mycology/Plant Pathology/Microbial MALLICK, Nirupama MANILAL, Kattungal S. MANOHARACHARY, C. Biotechnology. MATHUR, Shri Narain Plant Physiology/Biochemistry/Biotechnology. MEHER-HOMJI, Vispy Minocher Ecology/Plant Geography/Bioclimatology. MEHROTRA, Radhey Shyam Mycology/Plant Pathology/Soil Microbiology. Medicinal Plants/Phytochemistry/ MUKHERJEE, Pulok Kumar Pharmaceutical Science. Extrachromosomal DNA Replication/RNAi MUKHERJEE, Sunil Kumar Suppression. MUTHAPPA, Senthil Kumar Plant Combined Stress Tolerance/Plant Microbe Interaction/ Non-host Resistance. Plant Biotechnology NADGAUDA, Rajani Satish NAGEGOWDA, Dinesh Addihalli Plant Molecular Biology/Functional Genomics/Metabolic Engineering. NANDI, Ashish Kumar Plant Immunity/Plant Development/Plant Biotechnology. NATH, Utpal Plant Developmental Biology/Genetics/Organ Morphogenesis. Taxonomy/Conservation/Endemic & NAYAR, Madhavan P. Endangered Plant Species. Plant Cytogenetics/Cell Biology/Mutation NIZAM, Jafar Breeding. PAL, Amita Molecular Genetics and Genomics; Developmental and Stress Biology. Plant Growth Substances/Plant Tissue PALNI, Lok Man S. Culture/Plant Microbe Interactions. PANDEY, Arun Kumar Taxonomy/Molecular Systematics/ Biodiversity/Plant Reproductive Biology PANDEY, Girdhar Kumar Plant Molecular Biology/Calcium Signaling/ Functional Genomics.

River Ecology/Atmospheric Deposition/Climate Change.

PANDEY, Jitendra

Plant Sciences 423

PANDIT, Maharaj K. Plant Ecogenomics/Sustainability/

Conservation Biology.
Crop Physiology/Genomics/Abiotic Stresses. PAREEK, Ashwani PARTHASARATHY, N. Biodiversity Conservation/Plant Ecology & Taxonomy.

Forest Ecology/Phytogeography/Vegetation PASCAL, Jean-Pierre

mapping. PEDDI, Venkata Subbarao

Ecology, Biology, Taxonomy, Resource Assessment, and Field Cultivation (Aquaculture) and Nutritional aspects including Antioxidants and Secondary Metabolites of Seaweeds, Bioremediation.

Microbial Ecology/Research Administration.
Plant Molecular Biology/Biotic & Abiotic Stress
Responses/ Molecular Breedings. PRAMER, David PRASAD, Manoj

Physiology & Biochemistry of Plants & Cyanobacteria/Oxidataive Stress/Role of Molecules in Cell Signaling. PRASAD, Sheo Mohan

Environmental Plant Physiology/Mountain PUROHIT, Aditya Narain Ecology/Physiology of Medicinal Plants. Plant Biochemistry/Molecular Plant RAGHAVENDRA, Agepati S. Physiology/Plant Molecular Biology. Integrative Ecology/Forest Ecology/ RAGHUBANSHI, Akhilesh Singh

Restoration Ecology.

RAI, Ashwani Kumar Physiology and Biochemistry of Cyanobacteria/Nitrogen Nutrition/Salt Stress

and Adaptive Responses.

RAINA, Soom Nath Cellular & Molecular Cytogenetics/Molecular

Biology. RNAi/Plant Biotechnology/Genetic RAJAM, Manchikatla Venkat Engineering & Polyamine Biology.

RAMACHANDRA, Reddy Attipalli RAMAKRISHNAN, P.S. Climate Change and Photosynthesis/Biofuels.

Ecology/Sustainable Development. RANGAN, Latha Plant Biotechnology/Medicinal Chemistry/

Genome Mining.

Reproductive Biology of Seed Plants/Plant RANGASWAMY, Nanjangud S.

Tissue Culture & Biotechnology Taxonomy/Biodiversity/Medicinal RAO, Raghavendra Ramachandra Plants/Conservation/Phytogeography. Plant Sciences/Conservation.

RAVISHANKAR, Gokare A. Plant Biotechnology/Secondary Metabolites/

Food Biotechnology.

Plant Taxonomy/Natural Resource Ecology & RAWAT, Gopal Singh

Conservation.

Plant Sciences/Plant Molecular Biology/Plant REDDY, Anireddy S.N. Genomics/Agricultural Sciences/Biochemistry.

REDDY, Malireddy Kodandarami REDDY, Vudem Dashavantha Plant Sciences/Biotechnology. Plant Genetics/Molecular

Biology/Biotechnology. Plant Biotechnology/Environmental ROUT, Gyana Ranjan Biotechnology/Medicinal and Aromatic

Plants/Mutation Research. Remote Sensing/Geoinformatics/Earth ROY, Parth Sarathi

Observation.

SAHOO, Dinabandhu Algae and Bioresources.

RAVEN, Peter Hamilton

SAMANT, Sher Singh Plant Taxonomy/Biodiversity Conservation

and Management/ Medicinal Plants Conservation/Forestry Research and

Education.

Molecular Biology/Genomics/Gene

SAMIR, Vishwanath Sawant

SOPORY, Sudhir Kumar

Regulation. Microbiology/Mycology/Cell SANDHU, Rajindar Singh Physiology/Molecular & Membrane Biology. SANE. Prafullachandra Vishnu Photosynthesis/Plant Biochemistry/Plant Molecular Biology. Medicinal and Aromatic Plants Secondary SANGWAN, Rajendra Singh Metabolism/Biochemistry/Biotechnology, Secondary Agriculture Bioprocessing for Resource Recovery and Valued Added Products, Synthetic Biology for Health and High Value Biomolecules. SANJAPPA, Munivenkatappa Taxonomy and Conservation. SARIN, Neera Bhalla Tissue Culture/Transformation of Brassica and Legumes for Abiotic Stress Tolerance/Developmental Biology. SARKAR, Ananda Kumar Plant Molecular Biology/Plant Development/Plant Small RNA. Cytogenetics/Cell Biology/Tissue Culture. SEN, Sumitra Structural and Functional Genomics/Post SHARMA, Arun Kumar Harvest Physiology/ Regulation of Gene Expression. Genetics & Plant Breeding. SHARMA, Balram Mountain Ecology/N2-fixation/Biodiversity SHARMA, Eklabya Conservation/Ecosystem Services/Climate Change. Plant Anatomy/Biotechnology. SHARMA, Manju SHARMA, Prakash Chand Plant Molecular Biology/Crop Biotechnology/ **Transcriptomics** Genetics/Plant Biotechnology. SHARMA, Rameshwar Prasad SHARMA, Tilak Raj Plant Genomics/Bioinformatics/Plant Disease Resistance. Plant Stress Biology/Plant Informatics. SHARMA, Vinay SHASANY, Ajit Kumar Plant Molecular Biology/Functional Genomics/ Medicinal and Aromatic Plants. Seed Biology/Seed Pathology & Technology/ SHETTY, Hunthrike Shekar Molecular Plant Pathology/Biotechnological Approaches for Stress Management in Plants. Reproductive Biology of Flowering SHIVANNA, Kundaranahalli R. Plants/Pollen Biology and Biotechnology. Plant Pathology.
Cytogenetics & Plant Breeding and Plant SINCLAIR, James B. SINGH, Anurudh Kumar Genetic Resources. Plant Virology/Horticulture/Biotechnology. SINGH, B.P. Morphology of Angiospersm/ Seed Pathology. SINGH, Dalbir SINGH, Jagmohan Yeast Genetics and Epigenetics/ Chromatin Structure/ Gene Silencing/RNA. Ecology/Ecosystems Analysis/Ecophysiology. SINGH, Jamuna Sharan SINGH, Kaushalendra Pratap SINGH, Krishna Pal Ecology/Environmental Sciences. Taxonomy/Lichenology.
Genomics/Molecular Breeding/Grain Quality SINGH, Nagendra Kumar in Rice, Wheat and Pigeonpea. SINGH, Ram Badan SINGH, Surendra Pratap Cytogenetics/Plant Genetics Resources. Ecology/Forest Science/Environment. SINGLA-PAREEK, Sneh Lata Stress Molecular Biology/Crop Biotechnology/ Functional Genomics. SINHA, Alok Krishna Plant Physiology/Plant Biochemistry/Plant Molecular Biology.
Plant Molecular Biology/Plant Biotechnology. SONIYA, Eppurath Vasudevan

Molecular Plant Physiology.

Plant Sciences 425

SRIVASTAVA, Mahendra Pratap Mycology & Plant Pathology/Transfer of Technology, Plant Health Clinic/Food Security/Pesticides/Integrated Pest Management. SRIVASTAVA, Prem Shankar Plant Tissue Culture/Transgenics/DNA Polymorphism. Biodiversity/Taxonomy and Conservation of SRIVASTAVA, Suresh Chandra Bryophytes. Plant Biochemistry/Chloroplast SUBRAMANYAM, Rajagopal Bioenergetics/Structural Biology. SUNDARESAN, Velusamy Taxonomy and Molecular Phylogeny of Angiosperms/Biodiversity Characterization and Conservation Biology of RET species/ DNA Barcoding of Medicinal and Aromatic Plants. Plant Biotechnology. TANDON, Pramod THAKUR, Indu Shekhar Environmental Microbiology & Biotechnology/ Microbial Ecology. Molecular Biology.
Developmental/Functional/Genetical.
Plant Stress Physiology/Environmental THAKUR, Jitendra Kumar TRAN, Lam-Son Phan TRIPATHI, Rudra Deo Biotechnology/Bioremediation of Heavy Metals and Metalloids/Management of Arsenic Contamination in Crops/Rice. TRIPATHY, Baishnab Charan Photo Biology/Biotechnology. Plant Molecular Biology/Pathway TRIVEDI, Prabodh Kumar Engineering/Environmental Biotechnology. TULI, Rakesh Plant Biochemistry/Molecular Genetics/Food Biotechnology. Plant Molecular Biology/Plant TUTEJA, Narendra Biotechnology/Crops Improvement/Stress Tolerance/Mango Malformation/Plant-Microbes Interactions. Plant Molecular Biology and Biotechnology. Coastal Vegetation/Mangroves/Seaweeds. TYAGI, Akhilesh Kumar UNTAWALE, Arvind Gajanan Molecular Genetics/Genomics/Biotechnology. UPADHYAYA, Kailash Chandra UPRETI, Dalip Kumar Lichen Taxonomy/Ecology/Environment. UPRETÝ, Dinesh Chandra CO2 Enrichment Research and Technology/ Photosynthesis, Drought Resistance in Crop Plants/Global Climate Changes & Crop Responses Plant Pathology/Plant Virology/Biotechnology. VARMA, Anupam Genomics/Genetics/Molecular Breeding. VARSHNEY, Rajeev Kumar Plant Molecular Biology/Genetic VELUTHAMBI, Karuppannan Engineering/Plant Molecular Virology Dry Land Farming/Soil Fertility Evaluation in VENKATESWARLU, J. River Valley Projects/Watershed Development. Plant Virology/Plant Pathology/Plant Protection/Molecular Biology. VERMA, Hriday Narain VERMA, Praveen Kumar Plant-Microbe Interaction. VERMA, Satish Chander Cytology/Genetics/Reproductive Biology (Plants)/Cytotaxonomy and Biology of Ferns. YADAV, Shrirang Ramchandra Taxonomy of Angiosperm.

Metabolic

Technology.

Engineering/Biotechnology/Bioprocess

YADAV, Sudesh Kumar

Science & Society

(Philosophy of Science, History of Science, Ethics,
Science Policy, Science & Technology based entrepreneurship,
S & T Management, Popularization of Science)

## Name

## **Specialization**

AMTE, Mandakini Prakash AMTE, Prakash Murlidhar ANDEZHATH, Susheela Kumaran BHUYAN, Mantu	Medical Sciences/Social Work. Medical Sciences/Social Work. Fluorosis/Public Health/Nutrition. Entomology/Biodiversity Conservation/ Bioprospecting.
CHAKRABARTI, Syamal	History of Science/Philosophy of Science/
DOBHAL, Rajendra	Popularization of Science. Science, Technology and Society/Intellectual
GUPTA, Nivedita	Property Rights and Biodiversity. Science Policy/Science & Technology/S&T
JOLLY, Pratibha	Management. Chemical Physics/Physics Education
JOSHI, Anil Prakash	Research/Science Education Outreach/ICT in Education, Women in STEMM. Environmental Conservation/Small Micropower Energy/Value addition in Horti-
KUMAR, Arvind NAIR, K. Gopalakrishnan NANDY, Papiya Sengupta	Agriculture. Theoretical Physics/Science Education. Physics/Electronics/Popularisation of Science. High Dilution Physics/Bioinformatics/Science Education.
NARAIN, Sunita NATH, Kumar Jyoti PARIKH, Jyoti Kirit	Science & Society. Environment/Public Health/Sanitation. Climate Change Technology Assessment/Energy Modelling/ Power System
PATHAK, Bindeshwar	Modelling. Environmental Sanitation and Technology/ Sustainable Development/Social Reform and
PRAKASHKUMAR, R.P.	Social Action. Plant Biodiversity Conservation/S&T
RADHAKRISHNAN, Koppillil	Management. Space Technology/Space Applications/Space
RAO, Indumati RAO, Paruchuri Gangadhar RAVI, Bina	Programme Management. Geography/Multimedia. Science & Society/Engineering Sciences. Surgery - Breast Cancer/Non-Cancerous
SAXENA, Manoj	Breast Diseases. Nanoelectronics/Semiconductor Device
SHANKAR, Anant Darshan SINGH, Vijay Awadesh	Simulation/Compact Modelling. Traditional Health Sciences and Applications. Digital Materials (Nanostructural Semiconductors)/Science Education
SRIVASTAVA, Ramesh Kumar	Research/Promótion of Research in undergraduate Community. Technology Dissemination & Entrepreneurship Development/ Cultivation & Processing of Medicinal & Aromatic Plants/Uti- lization of Offered-waste flowers
SWARUP, Renu	into value added products. Biotechnology for the Welfare of Science & Society.

## **ANNUAL SESSIONS**

(Since 1957)

Sessio	on City	Institution	Date		Year
26th	Aligarh	Aligarh Muslim University	February	3-5	1957
27th	Jabalpur	Mahakoshal Mahavidyalaya	December	26-28	1958
28th	Agra	Agra University	February	6-8	1959
29th	Gorakhpur	Gorakhpur University	February	7-9	1960
30th	Allahabad	Allahabad University	February	3-5	1961
31st	Dehradun	D.A.V. P.G. College	March	10-12	1962
32nd	Allahabad	Allahabad University	February	16-18	1963
33rd	Allahabad	Allahabad University	February	15-17	1964
34th	Muzaffarpur	L.S. College	February	13-15	1965
35th	Agra	Agra University	February	26-28	1966
36th	Varanasi	Banaras Hindu University	February	24-26	1967
37th	Ahmedabad	Guirat University	February	1-3	1968
38th	Ranchi	Ranchi University	March	17-19	1969
39th	Roorkee	Roorkee University	March	6-8	1970
40th	Ujjain	Vikram University	February	26-28	1971
41st	Varanasi	Banaras Hindu University	February	24-26	1972
42nd	Allahabad	Allahabad University	March	4-6	1973
43rd	Jodhpur	Jodhpur University	October	20-22	1973
44th	Bhagalpur	Bhagalpur University	April	20-22	1975
45th	Raikot	Saurashtra University	April	24-26	1976
46th	Delhi	Delhi University	February	5-7	1977
47th	Bhopal	Bhopal University	March	4-6	1978
48th	Gauhati	Gauhati University	October	22-24	1978
49th	Nagpur	Nagpur University	October	27-29	1979
50th	Allahabad	Allahabad University	October	23-27	1980
(Golde	n Jubilee Session)				
51st	Cochin	Cochin University	October	5-7	1981
52nd	Bhavnagar	Central Salt & Marine	November	2	1982
		Chemicals Research Institute			
53rd	Goa	National Institute of Oceanography	October	27-29	1983
54th	Madurai	Madurai Kamraj University	October	11-13	1984
55th	Gwalior	Jiwaji University	November	3-5	1985
56th	Jaipur	Rajasthan University	October	25-27	1986
57th	Tiruchirapall	Bharthidasan University	October	8-10	1987
58th	Jammu	Jammu University	November	7-9	1988
59th	Hyderabad	Osmania University	January	6-8	1990
60th	Allahabad	National Academy of	May	3-5	1991
(Diame	ond Jubilee Session	Sciences, India			
61st	Meerut	Meerut University	December	19-21	1991
62nd	Udaipur	M.L. Sukhadia University	February	9-11	1991
		Centenary Session)	i ebidaly	9-11	1993
63rd	Bangalore	Indian Institute of Science	November	24-26	1993
		of Prof. N.R. Dhar)	14040111001	L-7 LU	1000
64th	Chandigarh	Panjab University	September	29-Oct.1	1994
65th	Tirupati	S.V. University	November	3-5	1995
66th	Aurangabad	Babasahab Ambedkar Marathwada University	October	31-Nov.2	1996
67th	Bhubaneswar	Utkal University	October	24-26	1997
68th	Lucknow	Central Drug Res. Institute	October	23-25	1998
69th	Bhopal	Barkatullah University	November	11-13	1999
70th	Allahabad	Allahabad University	November	3-6	2000
	<del>-</del>				

Year Book 2024 428

71st 72nd 73rd	Pune Shillong Ahmedabad	Pune University North-Easter Hill University Physical Research	October October October	5-7 25-27 10-12	2001 2002 2003
74th 75th	Jaipur Pondicherry	Laboratory Jaipur University Pondicherry University	December December	2-4 8-9	2004 2005
	um Jubilee Sessior		December	0-3	2000
76th	Mumbai	Indian Institute of Technology- Bombay	October	6-8	2006
77th	Mysore	Central Food Technological Research Institute	December	6-8	2007
78th 79th	Chandigarh Kolkata	Panjab University Calcutta University	November December	21-23 14-16	2008 2009
80th	Jaipur	Jaipur National University	December	2-4	2010
81st	Thiruvanthapuram	Kerala University	November	24-26	2011
82nd	Varanasi	Banaras Hindu University	November	29-Dec.1	2012
83rd	Goa	University of Goa	December	5-7	2013
84th	Jodhpur	Jai Narayan Vyas University	December	4-6	2014
85th	Bhubaneswar	KIIT University	December	6-8	2015
86th	Dehradun	Uttarakhand Technical University & UCST	December	2-4	2016
87th	Pune	SP Pune University	December	8-10	2017
88th	Chitrakoot	MGCGV & DRI, Chitrakoot	December	6-8	2018
89th	Hyderabad	National Academy of Agricultural Research Management (NAARM)	December	21-23	2019
90th	Prayagraj	NASI HQ through WEB	February	25-27	2021
91st	Prayagraj	NASI HQ through WEB	December	4-6	2021
92nd	Prayagraj	NASI HQ Hybrid Mode	Decenber	4-6	2022
93rd	Mumbai	Bhabha Atomic Research Centre	December	3-5	2023

# List of Symposia/Seminars/Workshops held in the recent past

Symposium October, 1984, Madurai "Inerface on Physical & Biological Sciences" February, 1986, New Delhi National Conference on "Short Term and Long Term Hazards of Pesticides and strategies for their safe use" March, 1986, Allahabad Workshop on "Ganga as Resource Prospects & Problems" May, 1986, New Delhi National Seminar on "Electronics for Teaching and Mass Education" October, 1986, Jaipur Symposium on "Desert Ecology" Symposium on "Recent Trends in Geomagnetism" April, 1987, Allahabad National Symposium on "Inputs of Science & Technology for the Development of Waste Lands" October, 1987, Tiruchirapalli National Symposium on "New Materials" December, 1987, Bombay National Symposium on "Utilization of Living Resources of the Indian Seas" July, 1988, New Delhi Symposium "Science Technology for National Development Vision, Challenges Opportunities, and Implementations" November, 1988, Jammu "Frontiers Symposium on Modern Biology" March, 1989, New Delhi Regional Seminar on "Public Policy Implication of Biotechnology for Asian Agriculture" April, 1989, New Delhi Workshop on "Natural & Cultural Sites along Ganga" November, 1989, Allahabad Symposium on "Cultural & Natural Sites along Ganga: Our Unique National Heritage" January, 1990, Hyderabad National Symposium on "Indian Geosphere and Biosphere Programme' National September, 1990, Pondicherry -Symposium on "Sustainable Management of Natural Resources" May, 1991, Allahabad National Symposium on "Science & Technology in 2000 AD and

Beyond"

December, 1991, Meerut	-	National Symposium on "Environment & Development - A
		Scientific Approach"
February, 1993, Udaipur	-	National Symposium on "Science
		& Technology for Development -
		New Directions in the Changing
		Scenario"
Sontombor 1003 Allahahad		Symposium on "Meghnad Saha's
September, 1993, Allahabad	-	
		Contributions and the Journey
		Beyond"
November, 1993, Bangalore	-	Workshop on "Soil and
		Environment"
December, 1993, New Delhi	-	Symposium on "Science and Law"
September, 1994, Chandigarh	-	Symposium on "Industrial
g		Biotechnology - An Indian
		Scenario"
December 4004 Calavitta		
December, 1994, Calcutta	-	Symposium on "Mantle Dynamics"
October, 1995, Tirupati	-	Symposium on "Water Resources
		- Scientific Management"
October, 1996, Aurangabad	-	Symposium on "Emerging Health
		Issues in India"
May, 1997, Goa	-	Symposium on "Ethical, Legal and
, , , , , , , , , , , , , , , , , , ,		Social Implications of Human
		Genomic Research"
October 1007 Phylogogyar		
October, 1997, Bhubaneswar	-	
		Technology for Sustainable
		Development"
October, 1998, Lucknow	-	Symposium on "Science and
		Technology Education - Concerns
		and Perspectives"
December, 1998, Allahabad	-	"K.S. Krishnan Birth Centenary
, ,		Symposium on Condensed Matter
		Physics"
November, 1999, Bhopal	_	Symposium on "Information
November, 1999, Briopar	-	
A:  0000 All-ll		Technology and its Applications"
April, 2000, Allahabad	-	Symposium on "School Science
		for India of Tomorrow"
August 2000, Allahabad	-	"Brain Storming Session on
		Mathematical Modeling for Glacier
		Studies"
November, 2000, Allahabad	-	Symposium on "Harnessing
•		Science & Technology for the New
		Fra"
October, 2001, Pune	_	Symposium on 'Coping with
October, 2001, Fulle	-	Natural Hazards"
Octobor 2002 Obillara		
October, 2002, Shillong	-	Symposium on "Biodiversity : A
		Scientific Approach - Agenda for
		the 21st Century"
October, 2003, Ahmedabad	-	Symposium on "Astronomy in the
		New Millennium"

December, 2004, Jaipur	-	Symposium on "Science &
		Technology for Desert
October 2005 Allahahad		Development" Symposium on "Excitement of
October, 2005, Allahabad	-	Symposium on "Excitement of Science"
October, 2006, Mumbai	_	Symposium on "Science &
Cotobol, 2000, Mambal		Technology in the Service of
		Society"
December, 2007, Mysore	-	Symposium on "Novel
		Approaches for Food and
		Nutritional Security"
November, 2008, Chandigarh	-	Symposium on "Novel
		Approaches for Bio-medical
December 2000 Kelkete		Research"
December, 2009, Kolkata	-	Symposium on "Science and Technology and the Young
		(Career, Creativity and
		Excitement)"
December, 2010, Jaipur	-	National Symposium on "Climate
, , , , , , , , , , , , , , , , , , , ,		Change - Research, Awareness
		and Capacity Building"
November, 2011, Thiruvanthapu	ıram	Symposium on "Sustainable
		Management of Biodiversity using
N		Science & Technology"
November, 2012, Varanasi	-	Symposium on "Nano-science &
December 2012 Coo		Technology for Mankind"
December, 2013, Goa	-	Symposium on "Space for Human Welfare"
December, 2014, Jodhpur	-	Symposium on "Desert Science-
, , , ,		Opportunities and Challenges"
December, 2015, Bhubaneswar	· -	Symposium on "Marine and Fresh
		Water Ecosystems: Role in
December 0040 Deberatur		National Development"
December, 2016, Dehradun	-	Symposium on "Science,
		Technology and Entrepreneurship for Human Welfare in the
		Himalayan Region"
December, 2017, Pune	_	Symposium on "Basic Research -
, , , ,		Its Role in National Development"
December, 2018, Chitrakoot	-	Symposium on "Ścience,
		Technology and Ecosystem for
		Sustainable Rural Development"
December, 2019, Hyderabad	-	Symposium on "Science and
		Technology based Entrepreneur-
February, 2021, Prayagraj	_	ship Development" Symposium on "Towards A New
r ebidary, 2021, i Tayagraj	-	Healthcare Regime for the Nation"
December, 2021, Prayagraj	_	Symposium on Interface between
		Biological and Physical Sciences
		towards Atmanirbhar Bharat"
December, 2022, Prayagraj	-	Symposium on "Science &
		Technology – a vehicle for social
		transformation" (dedicated to
Docombor 2022 Mumboi		Azadi ka Amrut Mahotsav)
December, 2023, Mumbai	-	India Secure @75

## **SECTIONAL PRESIDENTS**

(Since 1972)

## **Physical Sciences**

1972	Prof. R.P. Rastogi	Chemistry
1973	Prof. Hari Narain	Geophysics
	Prof. Krishnaii	Physics
-	Prof. Chandrika Prasad	Mathematics
	Prof. P.T. Narashimhan	Chemistry
	Prof. Ajit Ram Varma	Physics
	Prof. R.P. Bambah	Mathematics
1979	Dr. Nitya Anand	Chemistry
1980	Prof. B. Ramachandra Rao	Physics
1981	Prof. G.N. Ramachandran	Mathematics
1982	Prof. H.L. Nigam	Chemistry
1983	Dr. Raja Ramanna	Physics
1984	Prof. J.N. Kapur	Mathematics
1985	Prof. M.M. Taqui Khan	Chemistry
1986	Prof. R.G. Rastogi	Geomagnetism
1987	S S	Statistica Genetics
	Prof. K.S. Valdiya	Geology
	Prof. S.K. Joshi	Physics
	Prof. V.G. Bhide	Physics
1991	Prof. R.A. Mashelkar	Polymer Science
	Prof. C.L. Khetrapal	Chemistry
	Prof. K. Kasturirangan	Physics
	Prof. S.K. Malik	Mathematics
1995	Prof. Goverdhan Mehta	Chemistry
1996	Prof. R.K. Verma	Physics
1997	Prof. J.P. Mittal	Chemistry
1998	Prof. D.V. Singh	Engineering
1999	Prof. H.S. Mani	Physics
2000	Prof. L.M. Patnaik	Computer Science
2001	Prof. Girjesh Govil	Molecular Biophysics
2002	Prof. A.K. Sood	Physics
2002	Prof. Sushanta Dattagupta	Physics
	Prof. Ashok Misra	Polymer Science & Engineering
		, , ,
2005	Prof. R. Balasubramanian	Mathematics
2006	Prof. Suresh Chandra	Materials Sciences/Solid State Ionics/
		Solid State Electronics
2007	Prof. S.C. Dutta Roy	Engineering
2008	Prof. S.R. Shetye	Physical Oceanography
2009	Dr. Sankar Kumar Pal	Pattern Recognition and Image Processing/
		Neural Networks and Fuzzy Systems/
		Soft Computing
2010	Prof. Anil K. Singh	Organic Chemistry/Bioorganic Chemistry/
	ő	Photochemistry/Photobiology
2011	Prof. J.R. Bellare	Cryo EM & Optical Microscopy/
_0		Nanotechnology/Biomedical devices
2012	Prof. Satya Deo	Algebraic & Differential Topology
	Dr. Amit Roy	Nuclear Physics/Acceleration Physics
	Prof. Ajoy K. Ghatak	Fiber Optics/Quantum Mechanics
	Prof. Ajoy K. Ghalak Prof. Anurag Sharma	
2015	FIOI. Alluray Shaima	Fiber and Integrated Optics/
		Gradient-Index Optics/Applied Optics

Sectional Presidents 433

2016	Prof. S.P. Mehrotra	Process Metallurgy/ Mathematical Modeling & Simulation/ Process Development and Control/ Mineral Processing
2017	Dr. Dinakar Kanjilal	Experimental Physics/Accelerator Physics.
2018	Dr. Pradeep K. Gupta	Lasers/Biomedical Applications of Laser/ Nonlinear
		Optics
2019	Dr. Pratibha Jolly	Chemical Physics/Physics Education Research/
	•	Science Education Outreach/ICT in Education
2020	Prof. Sanghamitra Bandyopa	adhyay Bioinformatics/Soft Computing/Pattern
		Recognition.
2021	Prof. Anirban Pathak	Quantum Information/Quantum Optics/Physics.
2022	Prof. Vimal Kumar Jain	Inorganic & Organometallic Chemistry.
2023	Prof. Jitendra K. Bera	OrganometallicChemistry/Catalysis/
		Sustainable Chemistry.

## **Biological Sciences**

	9	
1972	Prof. K.S. Thind	Botany
1973	Prof. G.K. Manna	Zoology
1974	Prof. S.P. Raychaudhuri	Botany
1975	Prof. H.S. Chaudhary	Zoology
1976	Prof. R.P. Roy	Botany
1977	Prof. P.N. Srivastava	Zoology
1978	Dr. M.S. Swaminathan	Plant Breeding
1979	Prof. A.K. Sharma	Botany
1980	Prof. J.P. Thapliyal	Zoology
1981	Prof. P.M. Bhargava	Molecular Biology
1982	Dr. S.Z. Qasim	Zoology
1983	Dr. T.N. Khoshoo	Botany
		Neurosurgery
1985	Dr.(Mrs) Archana Sharma	Botany
1986	Prof. K.N. Mehrotra	Entomology
	Dr. S.K. Jain	Plant Sciences
	Prof. G. Padmanabhan	Molecular Biology
	Dr. S.N. Dwivedi	Oceanography
1990	Dr. V.P. Sharma	Entomology
1991	Prof. S.K. Sinha	Plant Physiology
1992	Prof. Sipra Guha-Mukherji	Life Sciences
1993	Prof. Anupam Varma	Plant Science
1994	Prof. Asis Datta	Molecular Biology
1995	Prof. Madhav D. Gadgil	Life Sciences
1996	Prof. R. Ramamurthi	Zoology
1997	Prof. H.Y. Mohan Ram	Botany
1998	Prof. M. Vijayan	Molecular Biophysics
1999	Prof. N.K. Ganguly	Medical Sciences
2000	Prof. Sandip K. Basu	Immunology
2001	Prof. Gyan Chandra Mishra	Immunology
2002	Dr. Vijayalakshmi Ravindranath	Neuro Biology
2003	Dr. Dinakar M. Salunke	Structural Biology
2004	Prof. Amit Ghosh	Molecular Biology
2005	Prof. (Mrs.) Kasturi Datta	Molecular & Cellular Biology/
2000	Deef C.D.C. Khamuia	Genetic Engineering/Functional Genomics
2006	Prof. S.P.S. Khanuja	Molecular and General Genetics/
2007	Prof. Pramod Tandon	Plant Improvement/Biotechnology
2007 2008	Prof. Pramod Tandon Prof. Nikhil Tandon	Plant Biotechnology
2008	FIOI. MKIIII TAHQOH	Endocrinology (Diabetes; Thyroid
2009	Prof. Rakesh Tuli	disease; Metabolic Bone Disease) Plant Biochemistry/Molecular Genetics
2009	i ioi. Nakesii iuli	i ani biochemistry/Molecular Genetics

2010	Prof. Paramjit Khurana	Molecular Basis of Cellular Differentiation/ Genetic Transformation of Crop
		Plants/Genomics and Bioinformatics
2011	Prof. K.V. Peter	Horticulture/Genetics & Plant Breeding
2012	Prof. Balram Bhargava	Medicine/Cardiology
2013	Prof. Veena Tandon	Parasitology/Helminthology
2014	Dr. Ajay K. Parida	Plant Biotechnology/Genomics/Transgenics
2015	Prof. W.S. Lakra	Fisheries, Aquaculture Genetics and Biotechnology
2016	Dr. Shashi B. Singh	Environmental Physiology/Cognitive Neurosciences
2017	Prof. Chandrima Shaha	Cell Biology/Physiology
2018	Prof. Madhoolika Agrawal	Ecology/ Environmental Science/Global Climate
0040	Duet Culbus Chalushaut	Change/Air Pollution
2019	Prof. Subhra Chakraborty	Nutritional and Stress Genomics/ Proteomics/
2020	Dr. Smita Dilin Mahala	Molecular Biology/Genetic Engineering
2020	Dr. Smita Dilip Mahale	Reproductive Biology/Protein Chemistry/Endocrinology.
2021	Prof. Rohit Srivastava	Point of Care Diagnostic Devices/MEMS
2021	1 Tot. North Stivastava	Technologies/Nanoengineered Biosensors.
2022	Prof. Latha Rangan	Plant Biotechnology/Medicinal Chemistry/
2022	1 Tor. Latria Harigan	Genome Mining.
2023	Dr. G.Taru Sharma	Molecular Reproductive Physiology/
		Stem Cell Biology.
		6,

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JOLLY, Pratibha RAVI, Bina SWARUP, Renu Committees 439

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Dr. Amita Aggarwal

## 2022 2021

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Dr. Pramod Tandon

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# Meghnad Saha Distinguished Fellowship

Prof. M.G.K. Menon 6th Oct 1994 - 30th Sept 1999 Prof. P.N. Tandon 1st April 2000 - 31st Mar 2005 Prof. V.P. Sharma 1st April 2005 - 20th Sept 2010 Prof. J.P. Mittal 21st Sept 2010 - 20th Sept 2015 Prof. Ajoy K. Ghatak 1st April 2016 - 31st Mar 2021 Prof. Akhilesh K. Tyagi 1st Dec 2021 Continuing

## **NASI-Platinum Jubilee Chair**

Prof. G. Padmanaban 2007 - (term completed) Prof. S.K. Joshi 2007 - (term completed) - (term completed) Prof. M.S. Raghunathan 1st April 2012 Prof. Asis Datta - (term completed) 1st Mar 2013 Prof. Ashok Misra 17th Oct 2017 - Continuing Prof. G.C. Mishra 4th Sept 2018 - Continuing

## J.C. Bose Chair

Prof. Sandip K. Basu 1st Jan 2011 – 31st Dec 2015

Prof. Amit Ghosh 1st May 2016 – 30th April 2021

Prof. Chandrima Shaha 1st Sept 2021 – Continuing

## **ICMR Chair in Public Health Research**

 Prof. V.P. Sharma
 1st Nov 2010
 - 9th Oct 2015

 Prof. V.M. Katoch
 7th April 2016
 - 31st Mar 2022

Dr. Madhu Dikshit

## **Distinguished Woman Scientist Chair**

Prof. (Mrs.) Manju Sharma 1st April 2012 – 28th Feb 2022

## **LECTURE AWARDEES**

Prof. Meghnad Saha Memorial Lecture Awa (initially every alternate year but w.e.f. 2016 every year	
Prof. Govind Swarup Radio Astronomy Centre Tata Institute of Fundamental Research Bombay	1987
Dr. A.P. Mitra Director-General Council for Scientific & Industrial Research New Delhi	1991
Prof. M.G.K. Menon 77, Lodi Estate New Delhi	1993
Prof. Virendra Singh Director Tata Institute of Fundamental Research, Mumbai	1995
Prof. S.K. Joshi Former Director General CSIR, New Delhi	1997
Dr. R. Chidambaram Chairman Atomic Energy Commission & Secretary, Department of Atomic Energy, Mumbai	1999
Prof. T.V. Ramakrishnan Deptt. of Physics Indian Institute of Science Bangalore	2001
Prof. K. Kasturirangan Director National Institute of Advanced Studies Indian Institute of Science Campus Bangalore	2003
Prof. Sushanta Dattagupta Formerly Director S.N. Bose National Centre for Basic Sciences, Kolkata	2005

Prof. Bikash C. Sinha	2007
Director VECC & Saha Institute of Nuclear Physics, Kolkata	
Prof. Ajay K. Sood Chairman, Division of Physical & Mathematical Sciences, Professor, Department of Physics, Indian Institute of Science, Bangalore	2009
Dr. Satinder Kumar Sikka  DAE Homi Bhabha Chair Professor  Bhabha Atomic Research Centre  Mumbai	2011
Prof. Bimla Buti Director Centre for Science & Society, N.Delhi	2013
Prof. Anil Kakodkar Formerly Chairman, AEC Flat no. 1104, Building no. 5, Accolade Cooperative Housing Society, Hajuri Dargah Road, Behind LIC, Tahane West, Mumbai	2015
Dr. Sandip P. Trivedi Director and Senior Professor Tata Institute of Fundamental Research Dr. Homi Bhabha Road Colaba, Mumbai	2016
Prof. Anurag Sharma IIT Delhi, New Delhi	2017
Dr. Srikumar Banerjee Chancellor, Bhabha Atomic Research Centre, Mumbai	2018
Prof. Ajoy K. Ghatak D-42, Hauz Khas, New Delhi	2019
Dr. N. Mukunda Formerly Professor Indian Institute of Science, Bangalore	2020
Prof. V. Ram Gopal Rao Director, IIT, Delhi HauzKhas, New Delhi	2021

Dr. Amit Roy
Advisor
Manipal Centre for Natural Sciences
MAHE, Manipal-576104

Professor N.R. Dhar Memorial Lecture Awards (initially every alternate year but w.e.f. 2016 every year)	ees
Prof. R.C. Mehrotra Professor Emeritus Chemistry Department University of Rajasthan, Jaipur	1991
Dr. N.S. Randhawa Former Director General Indian Council of Agricultural Research, New Delhi	1993
Prof. C.N.R. Rao President, JNCASR I.I.Sc. Campus Bangalore	1995
Prof. Rajinder Kumar Department of Chemical Engineering, I.I.Sc., Bangalore	1997
Prof. M.M. Sharma Kothari Research Professor J.N. Centre for Advanced Research Mumbai	1999
Prof. J.P. Mittal Director, Chemistry & Isotope Group Bhabha Atomic Research Centre Trombay, Mumbai	2001
Prof. Girjesh Govil DAE-BRNS Senior Scientist, Department of Chemical Sciences, Tata Institute of Fundamental Research, Mumbai	2003
Prof. C.L. Khetrapal Distinguished Professor Sanjay Gandhi P.G. Institute of Medical Sciences, Lucknow	2005

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Dr. Avesh K. Tyagi Associate Director, Chemistry Group
BARC, Mumbai-400085
Dr. A.V. Cingle
Dr. A.K. Singh Former Adjunct Professor, ICT
Former VC, Allahabad University
Former Professor, IIT Bombay

## **Professor Archana Sharma Memorial Lecture Awardees** (every year) Prof. (Mrs.) Manju Sharma 2009 Former Secretary, Govt. of India; President & Executive Director, Indian Institute of Advanced Research, Gandhinagar; Res. B9/6476 FF, Vasant Kunj, New Delhi Prof. Veena Tandon 2010 Department of Zoology North Eastern Hill University, Shillong Prof. (Mrs.) Kasturi Datta 2011 **DBT** Distinguished Biotechnology Professor School of Environmental Sciences Adjunct Professor Special Centre for Molecular Medicine Jawaharlal Nehru University, New Delhi 2012 Prof. Mahtab Bamji INSA Hon. Scientist Dangoria Charitable Trust, Hyderabad Prof. Chandrima Saha 2013 Director National Institute of Immunology Aruna Asaf Ali Marg, New Delhi Prof. Sneh Bhargava 2014 Professor Emeritus and Formerly Director AIIMS, New Delhi Dr. Suchitra Banerjee 2015 Chief Scientist, Plant Biotechnology Division, CSIR-CIMAP, Lucknow Prof. Rohini M. Godbole 2016 Centre for High Energy Physics Indian Institute of Science Bangalore Prof. Jaya Sivaswami Tyagi 2017 AIIMS, New Delhi

Dr. Nilima Arun Kshirsagar National Chair Clinical Pharmacology ICMR, New Delhi	2018
Prof. Paramjit Khurana Department of Plant Molecular Biology University of Delhi, South Campus Dhaula Kuan, New Delhi	2019
Dr. Subhra Chakraborty Staff scientist-VII, NIPGR Aruna Asif Ali Marg, New Delhi	2020
Dr. K. Indira Priyadarsini DAE, Raja Ramanna Fellow, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai Mumbai	2021
Prof. Rama Govindarajan Senior Professor-I, ICTS-TIFR Survey No.151, Shivakote, Hesaraghatta Hobli, Bengaluru North-560089	2022

Professor M.G.K. Menon Memorial Awardees (every year)	
Prof. Govind Swarup, FRS Former Director, NCRA/GMRT TIFR, Pune	2015
Prof. P N Tandon President National Brain Research Society, Manesar	2016
Prof. Manju Sharma Former Secretary to the Govt. of India, New Delhi	2017
Dr. K. Kasturiranga Chairman, Raman Research Institute Council, Bangalore	2018
Prof. C.N.R. Rao Linus Pauling Research Professor Jawaharlal Nehru Centre for Advanced Scientific Research JNC President's House, Indian Institute of Science Campus, Bangalore	2019

Prof. Vijayalakshmi Ravindranath Director, Centre for Brain Research Indian Institute of Science, Bangalore	2020
Prof. Ashok Misra NASI Platinum Jubilee Chair Professor at IISc Bangalore Bengaluru	2021
Prof. Ajay Kumar Sood PSA, Govt. of India (New Delhi); Dept. of Physics, Indian Institute of Science Bangalore-560012	2022

Professor M.G.K. Menon Lecture Awardees  (every year)	
Prof. Balram Bhargava Professor Department of Cardiology All India Institute of Medical Sciences New Delhi	2015
Dr. T.R. Sharma Director, ICAR-National Research Centre on Plant Biotechnology, Pusa Campus, New Delhi	2016
<b>Dr Ajay Kumar Parida</b> Director, ILS Bhubaneswar	2017
Dr. V. Ramgopal Rao Director, IIT Delhi, New Delhi	2018
Dr. Nikhil Tandon Professor Department of Endocrinology & Metabolism AllMS, New Delhi	2019
Prof. Amit P. Sharma Director, ICMR-NIMR Sector-8, Dwaraka, New Delhi	2020
Dr. Anil Bhardwaj Director, Physical Research Laboratory, A Unit of Department of Space, Govt. of India, Ahmedabad	2021

Dr. Pankaj Seth

2022
Professor and Scientist VII
Cellular and Molecular Neuroscience Div.
NBRC, NH-8, Nainwal Road
Manesar-Gurgaon-122052

Professor V.P. Sharma Memorial Lecture Awardees  (every year)	
Dr. Padmanaban Govindarajan INSA Senior Scientist/Hon. Professor Indian Institute of Science, Bangalore; Senior Science and Innovation Advisor BIRAC, DBT, New Delhi	2016
Dr. V. P. Kamboj Chairman, BCIL New Delhi	2017
Dr. Neena Valecha Scientist G & Director ICMR-NIMR, New Delhi	2018
Prof. Veena Tandon NASI Senior Scientist Platinum Jubilee Fellow Biotech Park, Jankipuram Sector G, Kursi Road, Lucknow	2019
Dr. Ramesh Chand Dhiman Senior Consultant, Former Scientist 'G'& ICMR-NIMR Sector-8, Dwaraka, New Delhi	2020
Dr. M.V. Padma Srivastava Professor and Head, Department of Neurology, Chief,Neurosciences Center, AIIMS, New Delhi	2021
Dr. Giriraj Ratan Chandak Chief Scientist & Group Leader E406,CSIR-CCMB Habsiguda, Uppal Raod Hyderabad-500007	2022

# Professor A.K. Sharma Memorial Lecture Awardee (every year) Prof. Asis Datta Former NASI Platinum Jubilee Chair Distinguished Professor, NIPGR, New Delhi

Prof. Sudhir K. Sopory Formerly Vice Chancellor JNU, New Delhi	2019
Prof. Akhilesh K. Tyagi Professor Department of Plant Molecular Biology University of Delhi, South Campus, New Delhi	2020
Prof. PramodTandon Former CEO, Biotech Park Lucknow	2021
Dr. Umesh Chandra Lavania INSA Senior Scientist, Dept. of Botany University of Lucknow, Lucknow- 226007	2022

Professor P.C. Ray Memorial Lecture Awardee (every year)	
Prof. Animesh Chakravorty Emeritus Professor, Indian Association for the Cultivation of Science, Kolkata	2018
Dr. A.V. Rama Rao Chairman & Managing Director AVRA Laboratories, AVRA House Sai Enclave, Habshiguda Hyderabad	2019
Prof. Seyed Ehtesham Hasnain Vice Chancellor and Professor, JH-IMM Jamia Hamdard, Hamdard Nagar, New Delhi	2020
Dr. Ved Prakash Kamboj NASI Hon. Scientist, Biotech Park, Kursi Road, Lucknow-226021	2021
Prof. Pratim Kumar Chattaraj Professor, Chemistry Dept. IIT Kharagpur, Kharagpur -721302	2022

Professor S.K. Joshi Memorial Lecture Awardee (every year)	•
Prof. Man Mohan Sharma Former Director, Institute of Chemical Technology (UDCT) Mumbai	2021

Shri Kamlesh Nilkanth Vyas	2022
Chairman, Atomic Energy Commission &	
Secretary, Dept. of Atomic Energy,	
Anushaktibhawan, CSM Marg, Mumbai-400001	

Professor A.C. Banerji Memorial Lecture Awardees  (every alternate year)	
Prof. A.K. Ray Choudhuri INSA Senior Scientist, Presidency College, Calcutta	1989
Sir Hermann Bondi, F.R.S. Master of Churchill College Cambridge, U.K.	1991
Prof. S.M. Chitre Senior Professor Theoretical Astrophysics Group Tata Institute of Fundamental Research Mumbai	1993
Prof. Ramanath Cowsik Indian Institute of Astrophysics Bangalore	1995
Prof. Thanu Padmanabhan Inter University Centre for Astronomy and Astrophysics Pune	1997
Prof. Ashoke Sen, FRS Mehta Research Institute, Allahabad	1999
Prof. S.K. Malik Professor & Chairman CAS in Mathematics, Panjab University, Chandigarh	2001
Prof. M.S. Raghunathan Distinguished Professor Tata Institute of Fundamental Research, Mumbai	2003
Prof. R. Balasubramanian Director Institute of Mathematical Sciences Chennai	2005

Prof. M. Lakshmanan DAE-BRNS Raja Ramanna Fellow Department of Physics and Centre for Nonlinear Dynamics Bharthidasan University Tiruchirapalli	2007
Prof. G. Rajasekaran Senior Scientist Institute of Mathematical Sciences Chennai	2009
Lecture Award not given in the year	2011
Prof. Pankaj Shantilal Joshi Department of Astrophysics & Astronomy, TIFR, Mumbai	2013
Prof. Ajoy K. Ghatak Visiting Professor Indian Institute of Technology Delhi New Delhi	2015
Prof. Bimla Buti Director Centre for Science and Society Delhi	2017
Dr. Anurag Kumar Director, Indian Institute of Science Bangalore	2019
Prof. Satya Deo NASI Hon. Scientist & Hon. Visiting Professor Harish Chandra Research Institute., Prayagraj	2021

Dr. B.P. Pal Memorial Lecture Awardees (every alternate year)	
Dr. M.S. Swaminathan Chairman M.S. Swaminathan Research Foundation 11, Rathna Nagar, Madras	1991

Dr. H.K. Jain Former Director Indian Agricultural Research Institute New Delhi	1993
Dr. R.S. Paroda Director General, ICAR & Secretary, D.A.R.E., New Delhi	1995
Dr. T.N. Khoshoo Tata Energy Research Institute New Delhi	1997
Prof. S.K. Sinha ICAR National Professor IARI, New Delhi	1999
Prof. V.L. Chopra National Professor, B.P.Pal Chair National Research Centre on Plant Biotechnology, I.A.R.I., New Delhi	2001
Dr. Sushil Kumar Emeritus Scientist National Centre for Plant Genome Research, JNU Campus, New Delhi	2003
Prof. Akhilesh K. Tyagi Professor & Programme Coordinator (CPMB), Department of Plant Molecular Biology University of Delhi South Campus, New Delhi	2005
Prof. Prem Narain Formerly Director, IASRI B-3/27A, Lawrence Road, New Delhi	2007
Prof. A.K. Sharma Hon. Professor, CAS (Cell & Chromosome Research) Botany Department Calcutta University, Kolkata	2009
Dr. Subrahmaniam Nagarajan Formerly Chairperson, PPV & FRA Ministry of Agriculture, GOI; Shiwalik 8/49, New Colony 16th Cross Street, Chrompet, Chennai	2011
Prof. Anupam Varma Advanced Centre for Plant Virology Division of Plant Pathology IARI, New Delhi	2013

Prof. Jitendra Paul Khurana Dean (FIAS) & Head Department of Plant Molecular Biology University of Delhi, South Campus New Delhi	2015
Dr Trilochan Mohapatra Secretary DARE & DG, ICAR, New Delhi	2017
Dr. Ramesh V. Sonti Director, National Institute of Plant Genome Research Aruna Asif Ali Marg, New Delhi	2019
Prof. MadhoolikaAgarwal Professor, Department of Botany and Dean, Institute of Science, Banaras Hindu University, Varanasi	2021

Dr. P. Sheel Memorial Lecture Awardees (every 3rd year but w.e.f. 2016 every alternate year)	
Dr. S.P. Gon Chowdhury Deptt. of Science, Technology & Environment, Govt. of India	1989
Dr. C.V. Seshadri Director, Sri A.M.M. Murugappa Chettiar Research Centre, Madras	1992
Prof. G.S. Venkataraman Director DBT Centre for BGA Biofertilizer School of Biological Sciences Madurai Kamraj University, Madurai	1995
Dr. N.H. Antia Chairman & Director Foundation for Research in Community Health, Mumbai	1998
Dr. Ashok Jhunjhunwala Head, Deptt. of Electrical Engineering I.I.T., Chennai	2001
Dr. Anil Joshi Himalayan Environmental Studies and Conservation Organization Village - Ghisarapalli P.O. Nehuwala Via Majra Dehradun (Uttaranchal)	2004

Prof. Sneh Bhargava Formerly Director, AllMS A-103, New Friends Colony New Delhi - 110065	2007
Dr. S. Ayyappan Secretary, DARE & Director General, ICAR, New Delhi	2010
Prof. Balram Bhargava Department of Cardiology AIIMS, New Delhi.	2013
Dr. R. Balasubramanian Director Institute of Mathematical Sciences Taramani, Chennai	2016
<b>Dr. Renu Swarup</b> Secretary, Govt. of India, DBT, New Delhi	2018
Prof. Bina Ravi Senior Professor of Surgery and Chair Integrated Breast Care Centre, AIIMS Rishikesh	2020
Dr. Sanjeev Sinha Professor of Medicine and Head of Medicine (Unit-3), Dept. of Medicine, AIIMS, New Delhi	2022

Dr. P. Sheel Memorial (Young Woman Scientist)  Lecture Awardees  (every 3rd year but w.e.f. 2016 every alternate year)	
(every Sid year but w.e.i. 2010 every alternate year)	
Dr. (Mrs) R.S. Nadgauda Tissue Culture Pilot Plant Div. National Chemical Laboratory, Pune	1997
Prof.(Ms.) R.M. Godbole Chairperson, Centre for Theoretical Studies Indian Institute of Science Bangalore	2000
Dr.(Mrs.) Madhoolika Agrawal Reader, Department of Botany Banaras Hindu University Varanasi	2003

<b>Dr.Srubabati Goswami</b> Reader F in Physics Harish Chandra Research Institute Allahabad	2006
Dr. Sudha Nair Director M.S. Swaminathan Research Foundation, Chennai	2009
Prof. Tanusri Saha Dasgupta Dept. of Material Sciences SN Bose National Centre for Basic Sciences, Kolkata	2012
Dr. Shelly Praveen Principal Scientist Advanced Centre for Plant Virology Division of Plant Pathology Indian Agricultural Research Institute New Delhi	2015
<b>Dr. Meenu Kapoor</b> Professor of Biotechnology GG Singh Indraprastha University New Delhi	2017
<b>Dr. Ritu Trivedi</b> Principal Scientist, CSIR-CDRI Sector-10, Jankipuram Extension, Sitapur Road, Lucknow	2019
Dr. Latha Rangan Professor and Head Dept. of Bioscience & Bioengineering, IIT Guwahati, North Guwahatl	2021

Professor Saligram Sinha Memorial Lect	ture
Awardees (every 5th year since 2001 but w.e.f. 2016 every alternate	vear)
Prof. K.S. Bilgrami Head, PG Department of Botany Bhagalpur University, Bhagalpur	1992
Prof. (Mrs) Archana Sharma CAS in Botany University of Calcutta, Calcutta	1995
Prof. Deepak Pental Professor of Genetics and Director, Centre for Genetic Manipulation of Crop Plants University of Delhi, New Delhi	1998
Prof. S.K. Sopory I.C.G.E.B. Aruna Asaf Ali Marg, New Delhi	2001
Prof. C. Manoharachary Emeritus Scientist (CSIR) Department of Botany Osmania University, Hyderabad	2006
Prof. Pramod Tandon Formerly V.C., NEHU; Professor, Deptartment of Botany North Eastern Hill University Shillong	2011
Prof. Madhav Dhananjaya Gadgil Formerly Professor Indian Institute of Sciences A-18, Spring Flower Apartment Panchavati Pashan, Pune	2016
Prof. Arun Kumar Pandey University of Delhi, Delhi	2018
Prof. K.V. Peter Trustee, Federal Ashwas Trust Kuruppacharil,TC-12/1309 Mullakkara, P.O. Mannuthy, Thrissur	2020
Prof. H.N. Verma Pro-Chancellor, Jaipur National University Near New RTO Office (Jaipur-Agra bypass), Jagatpura-Jaipur-302017	2022

Professor R.C. Gupta Endowment History of Science	
Lecture Awardees	
(every alternate year)  Prof. Deepak Kumar Zakir Husain Centre for Educational Studies School of Social Sciences Jawaharlal Nehru University New Delhi	2000
Prof. B.V. Subbarayappa Past President, IUHPS, KT-3 Apts. 301, 14th Cross,8th Block Jaya Nagar, Bangalore	2002
Dr. A.K. Bag Advisor (History of Science) Indian National Science Academy Bahadur Shah Zafar Marg New Delhi - 110002	2004
Prof. Rajesh Kochar Formerly Director & Scientist National Institute of Science, Technology and Development Studies (CSIR), New Delhi	2006
Dr. P.P. Divakaran Adjunct Professor Chennai Mathematical Institute Chennai	2008
Prof. K. Ramasubramanian Cell for Indian Science & Technology in Sanskrit, IIT Bombay, Mumbai	2010
Prof. H.Y. Mohan Ram Formerly Professor of Botany University of Delhi, Delhi	2012
Prof. P.N. Tandon President National Brain Research Centre Manesar, Haryana	2014
Dr. Nitya Anand Formerly Director CDRI "LUMBINI" B-62, Nirala Nagar Lucknow	2016

Prof. Satya Deo Honorary Scientist HRI, Allahabad	2018
Prof. V.S. Ramamurthy Emeritus Professor National Institute of Advanced Studies Bengaluru	2020
None	2022

Professor R.N. Tandon Memorial Lecture Awardees  (every alternate year)	
Prof. Anupam Varma Dean & Joint Director (Edn.) Indian Agricultural Research Institute New Delhi	2000
Prof. H.N. Verma Professor & Head, Department of Botany Lucknow University, Lucknow	2002
Prof. H.Y. Mohan Ram Formerly Professor of Botany,D.U. 194, SFS DDA Flats S.P. Mukherjee Nagar Delhi	2004
Dr. Paramvir Singh Ahuja Directror Institute of Himalayan Bioresource Technology	2006
Palampur Prof. Pramod Tandon Vice-Chancellor North-Eastern Hill University Shillong	2008
Prof. L.C. Rai CAS in Botany Banaras Hindu University Varanasi	2010
Prof. S.K. Sopory Vice-Chancellor Jawaharlal Nehru University New Delhi	2012

Prof. A.N. Purohit Formerly Vice-Chancellor HNB Garhwal University Dehradun	2014
Prof. Anil Kumar Tripathi Director, Central Institute of Medicinal and Aromatic Plants (CIMAP) Lucknow	2016
Dr. Sanjay Kapoor University of Delhi South Campus New Delhi	2018
Dr. S.K. Barik Director, CSIR-NBRI, Lucknow	2020
Prof. Ashwani Pareek Executive Director, National Agri-Food Biotechnology Institute (NABI), DBT, Govt. of India, Mohali, Punjab	2022

Prof. B.K. Bachhawat Memorial Lecture Awardees  (every alternate year)		
Prof. Sandip K. Basu Director, National Institute of Immunology Aruna Asaf Ali Marg New Delhi - 110067	2005	
Prof. H.K. Majumder Scientist G & Head, Infectious Diseases Divison Indian Institute of Chemical Biology Kolkata	2007	
Dr. Vijay Kumar Chaudhary Professor, Department of Biochemistry University of Delhi South Campus, Benito Juarez Road, New Delhi	2009	
Prof. Debi Prasad Sarkar Professor, Department of Biochemistry University of Delhi South Campus New Delhi	2011	

Dr. Amit P. Sharma	2013
Group Leader Structural and Computational Biology	
International Centre for Genetic	
Engineering & Biotechnology, New Delhi	
Dr. Rajesh Sudhir Gokhale Director, CSIR-I GIB Delhi University Campus New Delhi	2015
Dr. Shekhar Mande Director, NCCS Pune	2017
Dr. Alok Dhawan Director, CSIR-IITR Vishvigyan Bhawan,31, M.G. Marg Post Box-80, Lucknow	2019
Dr. Amit Ghosh NASI Honorary Scientist Former Director , IMTECH & School of Biological Sciences Kolkata	2021

## Prof. B.K. Bachhawat Memorial Young Scientist **Lecture Awardees** (every alternate year) Dr. Pratima Srivastava 2002 Scientist C Pharmaco Kinetics and Metabolism Division CDRI, Lucknow Dr. Amita Gupta 2004 Department of Biochemistry University of Delhi, South Campus Benito Juarez Road, New Delhi Dr. Amit P. Sharma 2006 Group Leader Structural and Computational Biology Group, Internatioal Centre for Genetic Engineering & Biotechnology New Delhi

Lecture Awardees 461

Dr. (Smt.) Saman Habib Scientist E-I Div. of Molecular & Structural Biology Central Drug Research Institute Lucknow	2008
Dr. Ashish Arora Scientist	2010
CDRI, Lucknow  Dr. Mukesh Jain  Staff Scientist III  NIPGR, New Delhi	2012
Dr. Anindita Ukil Assistant Professor Department of Biochemistry University of Calcutta Kolkata	2014
Dr. Sanjeev Das Staff Scientist V, Molecular Oncology Laboratory Aruna Asif Ali Marg National Institute of Immunology New Delhi	2016
Dr. Swarup Kumar Parida NIPGR, New Delhi	2018
Dr. Timir Tripathi Asst. Prof. (Selection Grade) Dept. of Biochemistry North-Eastern Hill university, Shillong	2020
Dr. Pranjal Chandra Assistant Professor & Ramanujan Fellow School of Biochemical Engineering, Indian Institute of Technology (BHU) Varanasi-221005	2022

Prof. U.S. Srivastava Memorial Lecture Awardees  (every alternate year)	
Dr. V.P. Sharma Formerly Addl. Director General (ICMR) & Director, MRC, New Delhi	2003

Prof. R. Gadagkar	2005
Centre for Ecological Sciences	2000
Indian Institute of Science	
Bangalore	
Prof. K. Muralidhar	2007
Professor & Head	
Department of Zoology	
University of Delhi, Delhi	
Prof. K.S. Rai	2009
Formerly Professor & Director	2009
Vector Biology/Parasitology Training	
Programme, 2, Jaswant Singh Rai Nagar	
Salempur Musalmana	
P.O. Randhawa Masandan, Jalandhar (Punjab)	
Prof. K. Venkataraman	2011
Director	
Zoological Survey of India	
Kolkata	
Prof. U.C. Srivastava	2013
Department of Zoology	2013
University of Allahabad,	
Allahabad	
7.11.41.42.43	
Dr. Shashi Bala Singh	2015
Director	
Defence Institute of Physiology and	
Allied Science, Ministry of Defence	
Lucknow Road, Timarpur, Delhi	
Prof. Kasturi Datta	2017
JNU	2017
New Delhi	
New Delli	
Dr. Subeer S. Majumdar	2019
Director, National Institute of Animal Biotechnology	
Gopanpally, Hyderabad	
Prof. Gyan Chandra Mishra	2021
NASI Platinum Jubilee Chair Distinguished Professor	
Former Director, NCCS, Pune	

Lecture Awardees 463

Professor Shri Ranjan Memorial Lecture Awardees (every alternate year)		
Dr. L.M.S. Palni Sr. Scientific Advisor-Biotechnology & Project Director State Biotechnology Programme U.S. Nagar, Uttaranchal	2004	
Prof. Jitendra Pal Khurana Coordinator (UGC-SAP) Dept. of Plant Molecular Biology University of Delhi South Campus New Delhi	2006	
Dr. Sunil Kumar Mukherjee Associate Scientist Plant Molecular Biology Group International Centre for Genetic Engineering & Biotechnology New Delhi	2008	
Prof. Deepak Pental Vice-Chancellor University of Delhi, New Delhi	2010	
Prof. Akhilesh K. Tyagi Director, NIPGR, New Delhi	2012	
Prof. Paramjit Khurana Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi	2014	
Prof. Madhoolika Agrawal Dept. of Botany Banaras Hindu University, Varanasi	2016	
Prof. L.C. Rai BHU Distinguished Professor, BHU, Varanasi	2018	
Dr. Sanjay Kumar Director, CSIR-Institute of Himalayan Bioresources Technology Palampur	2020	
Prof. Girdhar K. Pandey Professor, Dept. of Plant Molecular Biology University of Delhi South Campus Benito Juarez Road Dhaula Kuan, New Delhi-110021	2022	

Award Lecture in the field of Toxicology  (every alternate year)	
Dr. P.S. Chauhan Formerly Head, Cell Biology Division Emeritus Medical Scientist (ICMR) Biosciences Group Bhabha Atomic Research Centre Trombay, Mumbai - 400005	2004
Prof. P.K. Seth C.E.O. Biotech Park Sector G, Jankipuram, Kursi Road, Lucknow	2006
Prof. Alok Dhawan Scientist EII Development Toxicology Division Industrial Toxicology Research Centre Lucknow	2008
Dr. Devendra Parmar Scientist F & Head Developmental Toxicology Division Indian Institute of Toxicology Research Lucknow	2010
Prof. Nikhil Tandon Endocrinology & Metabolism Dept. AIIMS, New Delhi	2012
Prof. K.C. Gupta Director, ITRC, Lucknow	2014
Dr. Pramod Garg Professor Dept. of Gastroenterology All India Institute of Medical Sciences New Delhi	2016
Dr. Aditya Bhushan Pant Principal Scientist CSIR-IITR, Lucknow	2018
<b>Dr. Mukul Das</b> Advisor, Shriram Inst. of Industrial Research 19 University Road, Delhi	2020
Dr. Ashok Kumar Giri INSA Senior Scientist CSIR-Indian Institute of Chemical Biology 4 Raja S.C. Mullick Road, Jadavpur, Kolkata-700032	2022

Lecture Awardees 465

Prof. Krishnaji Memorial Lecture Awardees  (every alternate year)	
Prof. M.G.K. Menon K-5 (Rear), Hauz Khas New Delhi	2006
Prof. Suresh Chandra NASI-Senior Scientist Platinum Jubilee Fellow Physics Department Banaras Hindu University, Varanasi	2008
Prof. S.K. Joshi NASI Platinum Jubilee Chair National Physical Laboratory, N.Delhi	2010
Prof. M. Vijayan Molecular Biophysics Unit Indian Institute of Science, Bangalore	2012
Prof. Govind Swarup Formerly INSA Honorary Scientist & Director, NCRA/GMRT Pune	2014
Dr. Krishnaswamy Kasturirangan Honorary Distinguished Advisor ISRO	2016
Prof. H.S. Mani Adjunct Professor, Chennai Mathematical Institute Chennai	2018
Prof. Jayant Narlikar Emeritus Professor, Inter-University Centre for Astronomy and Astrophysics, Pune University Campus, Pune	2020
Dr. Ashok Jhunjhunwala President of IITM Research Park IITM Incubation Cell & IIT Madras Rural Technology & Business Incubator (RTBI)	2022

Award Lecture in the field of Biodiversity  (every alternate year)	
Prof. L.M.S. Palni Senior Scientific Adviser Biotechnology & Project Director State Biotechnology Programme, Biotech Bhavan, P.O. Haldi, Pant Nagar Distt. U.S. Nagar, Uttaranchal	2007
Prof. J.S. Singh NASI-Senior Scientist Platinum Jubilee Fellow, CAS in Botany Banaras Hindu University, Varanasi	2009
Prof. C.R. Babu Professor Emeritus Centre for Environmental Management of Degraded Ecosystem School of Environmental Studies Delhi University, Delhi	2011
Prof. Pramod Tandon Centre for Advanced Studies Department of Botany North-Eastern Hill University, Shillong	2013
Prof. C.S. Nautiyal Director, CSIR-NBRI Rana Pratap Marg Lucknow	2015
Dr. Anil K. Tripathi Director, CIMAP Lucknow	2017
Prof. S.K. Barik Director-CSIR, NBRI Rana Pratap Marg, Lucknow	2019
Dr. Arun Kumar Pandey Vice Chancellor, Mansarovar Global University, Sehore, Kolar Road, Bhopal	2021

Lecture Awardees 467

Dr. Mridula Kamboj Memorial Lecture Awardees (every alternate year)	
Dr. M.V. Padma Srivastava Professor of Neurology CN Centre All India Institute of Medical Sciences Ansari Nagar, New Delhi	2016
Dr. Smita Dilip Mahale Scientist G and Director ICMR-National Institute for Research in Reproductive Health, Mumbai	2018
Dr. Shally Awasthi Professor and Head, Dept. of Pediatrics, KGMC, Lucknow	2020
Dr. Manjari Tripathi Professor and Unit Head Department of Neurology, AIIMS Room No. 705, 7th Floor Ansari Nagar, New Delhi -110029	2022

NASI-Buti Foundation Lecture Awardee (every alternate year)	
Dr. Pratibha Jolly Principal Miranda House Delhi	2017
Dr. Manju Bansal INSA Senior Scientist, Molecular Biophysics Unit Indian Institute of Science, Bengaluru	2019
Prof. AnnapurniSubramaniam Director and Senior Professor, Indian Institute of Astrophysics, Bangalore	2021

# Professor R.N. Tandon's 90<sup>th</sup> Birthday Lecture Awardee Dr. C.R. Bhatia Secretary to Govt. of India Department of Biotechnology New Delhi

# PROF. MEGHNAD SAHA PLATINUM JUBILEE LIFETIME HONORARY FELLOWSHIP FOR OUTSTANDING CONTRIBUTIONS TO THE GROWTH OF THE ACADEMY

Prof. M.G.K. Menon

2006

Past President, NASI K-5 (Rear), Hauz Khas, New Delhi- 110016

# NASI PRESIDENT'S PLATINUM JUBILEE GOLD MEDAL FOR OUTSTANDING CONTRIBUTIONS TO THE GROWTH OF THE ACADEMY

Prof. P.N. Tandon

2006

Past President, NASI 1, Jagriti Enclave Vikas Marg New Delhi

Prof. (Mrs.) Manju Sharma

2006

Past President, NASI C5/10 (GF), Vasant Kunj New Delhi-110070

# NASI-SENIOR SCIENTIST PLATINUM JUBILEE FELLOWS

- 1. Late Prof. Suresh Chandra, Varanasi. (w.e.f. 1.1.2008 term completed)
- 2. Late Prof. S.P. Vij, Chandigarh. (w.e.f. 1.1.2008 term completed)
- 3. **Prof. J.S. Singh,** Varanasi. (w.e.f. 1.1.2009 term completed)
- 4. **Prof. Dharma Pal Agrawal,** Almora. (w.e.f. 1.1.2009 term completed)
- 5. **Dr. V.R. Choudhary,** Pune. (w.e.f. 1.1.2009 term completed)
- 6. Dr. K.V.B.R. Tilak, Hyderabad. (w.e.f. 1.1.2009 term completed)
- 7. **Prof. B.N. Mandal**, Kolkata. (w.e.f. 19.1.2009 term completed)
- 8. **Dr. Uppeandra Dhar,** Faridabad. (w.e.f. 31.1.2009 term completed)
- 9. **Prof. Som Nath Raina**, New Delhi. (w.e.f. 22.6.2009 term completed)
- 10. Prof. Partha (Sarathy) Ghose, Kolkata. (w.e.f. 1.1.2010 term completed)
- 11. Late Dr. Ram Kumar Varma, Ahmedabad. (w.e.f. 1.1.2010 term completed)
- 12. **Dr. Amit Ghosh,** Kolkata. (w.e.f. 1.1.2010 term completed)
- 13. **Prof. Pushpendra K. Gupta, Meerut.** (w.e.f. 1.1.2010 term completed)
- 14. **Prof. Krishna Misra**, Allahabad. (w.e.f. 1.5.2010 term completed)
- 15. **Prof. D.Joseph Bagyaraj,** Bangalore. (w.e.f. 1.1.2011 term completed)
- 16. Prof. Bishnu Pada Chatterjee, Kolkata. (w.e.f. 1.1.2011 term completed)
- 17. Prof. Aloknath Chakrabarti, Bangalore. (w.e.f. 1.1.2011 term completed)
- 18. **Prof. K.A. Natarajan,** Bangalore. (w.e.f. 3.1.2011 term completed)
- 19. Prof. Shelley Bhattacharya, Santiniketan. (w.e.f. 2.6.2011 term completed)
- 20. Prof. Anil Kumar, Bangalore. (w.e.f. 1.1.2012 term completed)
- 21. **Dr. E.A. Siddig**, Hyderabad. (w.e.f. 1.1.2012 term completed)
- 22. Prof. Amitabha Ghosh, Howrah. (w.e.f. 2.1.2012 term completed)
- 23. **Prof. Phoolan Prasad**, Bangalore. (w.e.f. 3.1.2012 term completed)
- 24. Dr. S.K. Mukherjee, New Delhi. (w.e.f. 1.2.2012 term completed)
- 25. Prof. Anil K. Bhatnagar, Hyderabad. (w.e.f. 17.12.12 term completed)
- 26. **Prof. Satya Deo**, Allahabad. (w.e.f. 1.1.2013 term completed)
- 27. Prof. Prahlad Chandra Agrawal, Mumbai. (w.e.f. 1.1.2013 term completed)
- 28. **Prof. Aloke Dey**, New Delhi. (w.e.f. 1.1.2013 term completed)
- 29. **Prof. C. Manoharachary**, Hyderabad. (w.e.f. 1.1.2013 term completed)
- 30. **Prof. Samir Bhattacharya**, Santiniketan. (w.e.f. 1.1.2013 Resigned)
- 31. Prof. B.N. Johri, Bhopal. (w.e.f. 1.3.2013 term completed)
- 32. Prof. Gurbax S. Lakhina, Navi Mumbai. (w.e.f. 3.4.2013 term completed)
- 33. **Prof. Gopal Krishna,** Pune. (w.e.f. 1.5.2013 term completed)
- 34. **Prof. R. Sridharan,** Thiruvananthapuram. (w.e.f. 26.6.2013 term completed)
- 35. **Prof. Gyan Chandra Mishra**, Pune. (w.e.f. 4.9.2013 term completed)
- 36. Prof. Sujit Kumar Bhattacharya, New Delhi. (w.e.f. 1.8.2013 Resigned)
- 37. Late Prof. Naresh Chandra, Meerut. (w.e.f. 16.10.2015 March 2017)
- 38. Prof. Muthusamy Lakshmanan, Tiruchirapalli (w.e.f. 25.3.2016 Resigned)
- 39. Late Prof. Parimal C. Sen, Kolkata. (w.e.f. 1.9.2016 February 24, 2018)
- 40. Late Prof. Y.P.S. Pangtey, Nainital. (w.e.f. 1.2.2014 Nov. 2018)
- 41. Prof. S. Ranganathan, Bangalore. (w.e.f. 1.1.2014 term completed)
- 42. Prof. Ravinder K. Manchanda, Mumbai. (w.e.f. 1.1.2014 term completed)
- 43. **Prof. Phool Chand Mishra**, Varanasi. (w.e.f. 1.5.2014 term completed)
- 44. **Prof. Kasturi Datta,** New Delhi. (w.e.f. 3.6.2014 term completed)
- 45. Dr. Ram Sagar, Bangalore. (w.e.f. 18.9.2014 term completed)
- 46. **Prof. M. Udayakumar**, Bangalore. (w.e.f. 1.10.2014 term completed)
- 47. **Prof. J. Gopalakrishnan,** Bangalore. (w.e.f. 8.1.2015 term completed)
- 48. **Dr. Pijush K. Das,** Kolkata. (w.e.f. 1.1.2015 term completed)
- 49. Dr. Subhash Chandra Lakhotia, Varanasi (w.e.f. 12.1.2019 -- 31.3.2019)
- 50. **Prof. P.S. Roy,** Hyderabad. (w.e.f. 5.10.2015 term completed)

51. **Prof. S. Vishveshwara.** Bangalore. (w.e.f. 6.11.2015 – term completed) 52. **Prof. Ashwani Kumar Rai,** Varanasi. (w.e.f. 1.12.2015 – term completed) 53. Dr. Ramakrishnan Nagaraj, Hyderabad. (w.e.f. 25.1.2016 – term completed) 54. **Dr. Kanak Lata Dikshit**, Chandigarh. (w.e.f. 4.1.2016 – term completed) 55. **Prof. Veena Tandon,** Lucknow. (w.e.f. 1.1.2016 – term completed) 56. Prof. G. Padmanaban, Bangalore. (w.e.f. 10.2.2016 – term completed) 57. **Prof. K. Thomas Jacob**, Bangalore. (w.e.f. 1.2.2016 – term completed) 58. **Prof. K.N. Pathak**, Chandigarh. (w.e.f. 1.1.2016 – term completed) 59. **Dr. P.K. Seth**, Lucknow. (w.e.f. 09.11.2016 – term completed) 60. Prof. Hemant K Majumder, Kolkata. (w.e.f. 27.2.2017– term completed) 61. Dr. Suchitra Baneriee, Lucknow. (w.e.f. 1.2.2017- term completed) 62. Prof. N.K. Lohiya, Jaipur. (w.e.f. 1.1.2017– term completed) 63. Dr. Krishna Pal Singh, Allahabad. (w.e.f. 31.1.2017- term completed) 64. Prof. Girjesh Govil, Mumbai. (w.e.f. 10.4.2017- Died) 65. Prof. S.V. Bhat, Bangalore. (w.e.f. 2.1.2017– term completed) 66. **Prof. A.C. Kunwar**, Hyderabad. (w.e.f. 2.1.2017– term completed) 67. Prof. O.N. Srivastava, Varanasi (w.e.f. 1.3.2019 - Died) 68. Prof. Rabin Banerjee, Kolkata (w.e.f. 6.1.2021 - resigned) Selected for the Year 2018 Prof. Sumita Jha, Kolkata. (w.e.f. 3.1.2018) Prof. Sanjeev V. Dhurandhar, Pune. (w.e.f. 17.1.2018) Prof. M. Vijayan, Bangalore. (w.e.f. 1.2.2018) Prof. B.L.S. Prakasa Rao, Hyderabad. (Not joined) Selected for the Year 2019 Dr. Rup Lal, Delhi (w.e.f. 22.7.2019) 5. **Dr. Java Sivaswami Tyaqi,** New Delhi (w.e.f. 12.6.2019 – term completed) Dr. Khareedu Venkateswara Rao, Hyderabad (w.e.f. 1.1.2019) **Dr. Dipankar Home,** Kolkata (w.e.f. 1.1.2019) Dr. Ushadevi Narendra Bhosle, Mumbai (Not joined) Dr. Anil Kumar, Roorkee (Not joined) Selected for the Year 2020 Dr. Mythily Ramaswamy, Bangalore (w.e.f. 20.3.2020) Dr. Anand P Pathak, Hyderabad (w.e.f. 31.1.2020) 10. **Dr. R.K. Shyamsundar**, Mumbai (w.e.f. 1.7.2020) 11. Dr. Harsh Kumar Gupta, Hyderabad (w.e.f. 11.3.2020) 12. **Dr. Chinmay Kumar Panda**, Kolkata (w.e.f. 3.3.2020) 13. **Dr. H.S. Savithri**, Bangalore (w.e.f. 1.1.2020) 14. Dr. L.C. Rai, Varanasi (w.e.f. 1.1.2020) 15. **Dr. P.B. Kirti**, Hyderabad (w.e.f. 10.1.2020) Dr. Somnath Dasgupta, Mohanpur (Not joined) Dr. Gopal C. Kundu, Pune (Not joined) Dr. Shrirang Ramchandra Yadav, Kolhapur (Not joined) Selected for the Year 2021 16. **Prof. Vijay Kumar Chaudhary**, New Delhi (w.e.f. 1.1.2021) 17. **Dr. Desirazu Narasimha Rao**, Bangalore (w.e.f. 4.1.2021) 18. Prof. Gaurisankar Sa, Kolkata (w.e.f. 4.1.2021) 19. Dr. Rudra DeoTripathi, Lucknow (w.e.f. 4.1.2021) 20. **Prof. Ajay Kumar**, Delhi (w.e.f. 1.1.2021) 21. **Prof. Shyam Sundar Rai**, Pune (w.e.f. 14.1.2021) 22. Prof. L.M. Patnaik, Bangalore (w.e.f. 6.1.2021) Dr. Pradeep Das, Patna (Not joined) Dr. Ch. Mohan Rao, Hyderabad (Not joined) Prof. Mohammad Sami, Changa, Gujarat (Not joined)

Prof. Kuldip Kumar Bhasin, Chandigarh (Not joined)

#### Selected for the Year 2022

- 23. Prof. G.C. Anupama, Bengaluru
- 24. **Prof. Deepak Dhar**, Pune (w.e.f. 3.1.2022)
- 25. **Prof. Santosh K. Gupta, Kanpur** (w.e.f. 16.12.2021)
- 26. Prof. Madhu Raka, Chandigarh (w.e.f. 16.12.2021)
- 27. Prof. Benjaram M. Reddy, Hyderabad
- 28. Prof. Mahendra Singh Sodha, Lucknow
- 29. Prof. Janendra K. Batra, New Delhi
- 30. Prof. M.K. Thakur, Varanasi
- 31. Prof. Yogendra Singh, New Delhi
- 32. Dr. Ashok K. Giri, Kolkata (w.e.f. 1.7.2022)
- 33. Prof. Pinakpani Chakrabarti, Kolkata

# NASI-HONORARY SCIENTIST

- 1. **Prof. Ashok Misra,** Bangalore. (w.e.f. 1.3.2017 16.10.2017)
- 2. Prof. Aloknath Chakrabarti, Bangalore. (w.e.f. 1.1.2016 term completed)
- 3. **Prof. Krishna Misra**, Allahabad. (w.e.f. 1.5.2015 term completed)
- 4. **Prof. Sumit Kumar Ray,** Kolkata. (w.e.f. 1.4.2015 term completed)
- 5. **Prof. Parthasarathy Ghose,** Kolkata. (w.e.f. 1.4.2015 term completed)
- 1. **Prof. Kootalai A.I. Natarajan,** Bangalore. (w.e.f. 23.3.2016 term completed)
- 2. Prof. Shelley Bhattacharya, Santiniketan. (w.e.f. 2.6.2016 term completed)
- 3. Prof. Anil Kumar, Bangalore. (w.e.f. 2.1.2017)
- 4. Dr. V.P. Kamboj, Lucknow (w.e.f. 7.3.2017)
- 5. **Prof. Satya Deo**, Allahabad (w.e.f. 1.1.2018 term completed)
- 6. **Prof. V.A. Bapat,** Kolhapur (w.e.f. 1.9.2017 term completed)
- 7. Prof. C. Manoharachary, Hyderabad. (w.e.f. 19.3.2018)
- 8. **Dr. R. Sridharan**, Ahmedabad. (w.e.f. 29.10.2018)
- 9. **Prof. B.N. Johri,** Bhopal (w.e.f. 17.5.2018)

# Joined in 2019

- 10. Prof. Asis Datta, New Delhi
- 11. Prof. Anil K. Bhatnagar, Hyderabad (w.e.f. 24.12.2019)
- 12. **Dr. D.J. Bagyaraj**, Bangalore (w.e.f. 1.1.2020)
- 13. Prof. Kasturi Datta, New Delhi (w.e.f. 5.11.2019)

# Joined in 2020

- 14. **Prof. Amitabha Ghosh**, Howrah (w.e.f. 1.3.2020)
- Dr. Vijay K. Chaudhary, New Delhi (w.e.f. 1.9.2020 Joined NASI Senior Scientist)
- 16. Prof. Ram Sagar, Bangalore (w.e.f. 3.2.2020)
- 17. **Prof. J.S. Singh**, Varanasi (w.e.f. 1.4.2020)
- 18. Prof. Saraswathi Vishveshwara, Bangalore (w.e.f. 6.11.2020)

#### Joined in 2021

- 19. Prof. G. Padmanaban, Bangalore (w.e.f. 10.2.2021)
- 20. **Prof. P.N. Tandon**, New Delhi (w.e.f. 23.2.2021)
- 21. Prof. K.N. Pathak, Chandigarh (w.e.f. 1.1.2021)
- 22. Prof. Pramod Tandon, Lucknow (w.e.f. 1.1.2021)
- 23. **Prof. Amit Ghosh**, Kolkata (w.e.f. 1.6.2021)
- 24. Prof. Indrani Boase, Kolkata (w.e.f. 1.10.2021)

## Joined in 2022

- 25. Prof. Bishnu Pada Chatterjee, Kolkata (w.e.f. 4.1.2022)
- 26. Prof. Maniu Sharma. New Delhi (w.e.f. 1.3.2022)
- 27. Prof. P.K. Seth, Lucknow (w.e.f. 12.6.2022)

# NASI-RELIANCE INDUSTRIES PLATINUM JUBILEE AWARDS FOR APPLICATION ORIENTED INNOVATIONS COVERING BOTH PHYSICAL AND BIOLOGICAL SCIENCES

# **Physical Sciences**

- Dr. Mihir Kumar Purkait, Professor Chair, National Jal Jeevan 2022 Mission (NJJM) Govt. of India, Department of Chemical Engineering, Indian Institute of Technology Guwahati- 781039
- **Prof. Jayant Kumar Singh**, Professor and Head, Department of Sustainable Energy Engineering, Indian Institute of Technology 2022 Kanpur, Kanpur- 208016
- 2021 Prof. Suman Chakraborty, Professor, Department of Mechanical Engineering, Indian Institute of Technology Kharagpur, Kharagpur Dr. Ch. Raji Reddy, Senior Principal Scientist, Department of
- 2020 Organic Synthesis & Process Chemistry, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad-500 007
- **Dr. Samir Kumar Pal**, Senior Professor, Department of Chemical Biology & Macromolecular Sciences, S.N. Bose National Centre for Basic Sciences, J.D. Block, Sector III, Salt Lake, Kolkata-700 106 2020
- 2019 Prof. Shantanu Bhattacharya, Professor, NL115X, Manufacturing Science Lab, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208 016
- Mishra, Professor, Department of Sukumar 2019 Prof. Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 110 016
- 2019 Prof. Raja **Shunmugam,** Professor, Department of Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur, Nadia - 741 246 (WB)
- 2018 Prof. Navakanta Bhat, Professor, CeNSE, IISc Banglore, E-35, IISc Campus, Bangalore-560012
- 2018 Prof. Rohit Srivastava, Professor, Room No. 505, Department of Biosciences and Bioengineering, Indian Institute of Technology Bombay, Powai, Mumbai- 400076
- **Prof. Pralay Maiti,** Professor, School of Material Science & Technology, Indian Institute of Technology (BHU), Varanasi 2018 221005
- 2017 Dr. Debendra Kumar Mohapatra, Principal Scientist, Natural Products Chemistry Division, CSIR-Indian Institute of Chemical Technology, Hyderabad **Prof. Anil Kumar**, Professor, Department of Chemistry, Indian
- 2017
- Institute of Technology Bombay, Powai, Mumbai 400 076 **Dr. Ashwin Gumaste,** Associate Professor, Department of 2016 Computer Science and Engineering, Indian Institute of Technology Bombay, Powai, Mumbai.
- 2016 Prof. Subhananda Chakrabarti, Professor, Department of Electrical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai.
- 2015 Prof. Manindra Agrawal, N Rama Rao Chair Professor, Department of Computer Science and Engineering, Indian Institute of Technology Kanpur, Kanpur – 208 016

- 2015 Dr. D. Srinivasa Reddy, Senior Scientist, Division of Organic Chemistry, CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pune – 411 008
- **2014 Prof. V. Ramgopal Rao,** Institute Chair Professor, Department of Electrical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076.
- 2014 Dr. B.V. Subba Reddy, Senior Principal Scientist, Natural Product Chemistry, Indian Institute of Chemical Technology, Uppal Road, Hvderabad – 500007.
- 2013 Dr. S. Sridhar, Principal Scientist & Project Leader, Membrane Separation Group, Chemical Engineering Division, Indian Institute of Chemical Technology, Hyderabad–500 007.
- **2013 Dr. Sirshendu De,** Professor, Department of Chemical Engineering, Chemical Engineering Division, Indian Institute of Technology, Kharagpur 721 302.
- **2012 Prof.** Abhay Karandikar, Head, Department of Electrical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai– 400076.
- 2012 Prof. Avinash Kumar Agarwal, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur– 208016.
- **2011 Prof. Subhasis Chaudhuri,** Professor, Department of Electrical Engineering, IIT Bombay, Powai, Mumbai-400076
- 2010 Prof. J.R. Bellare, Professor, Chemical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai.
- **2010 Dr. Sudhir Kumar Nema,** Scientist SE, FCIPT, Institute of Plasma Research, Near Indira Bridge, Bhat, Gandhinagar.
- 2009 Sri Surinder Singh, Head, Advance Technique Development Division & Associate Project Director, INSAT-4G/GSAT-8 ATDD / ATPG / SPSA, Bldg. No. 51, Room No. 27, Space Application Centre, ISRO, Ahmedabad 380015
- **2009 Dr. Tinku Acharya,** Director, Invention Development, Intellectual Ventures, # 701, Raheja Paramount, 138 Residency Road, Bangalore-560025
- **Dr. K.S.M.S. Raghavarao**, Head, Department of Food Engineering, Central Food Technological Research Institute, Mysore 570020.
- **2008 Dr. S. Chandrasekhar,** Scientist F, Organic Chemistry Division-I, Indian Institute of Chemical Technology, Hyderabad 500007.
- **2007 Prof. Bimal Kumar Roy,** Dean of Studies, Indian Statistical Institute, 203, B.T. Road, Kolkata 700108
- 2007 Dr. G.V. Madhava Sharma, Scientist F (Deputy Director), D-211, Discovery Laboratory, Org.Chem.Div.III, Indian Institute of Chemical Technology, Hyderabad 500007
- 2006 Dr. Tushar Kanti Chakraborty, Scientist F, Deputy Director & Head, Organic Division - III, Indian Institute of Chemical Technology, Hyderabad.

## **Biological Sciences**

- 2022 Dr. Jagadis Gupta Kapuganti, Staff Scientist V, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067
- 2022 Dr. Bhavuk Garg, Additional Professor, Department of Orthopedics, ALL India Institute of Medical Sciences, New Delhi - 110029

**Dr. R.K. Ravikumar,** Scientist E, National Innovation Foundation – India, Autonomous Body of Department of Science and Technology, Govt. of India, Amrapur, Mahudi Road, Gandhinagar– 382650

- **Dr. Suphiya Khan,** Associate Professor, Department of Bioscience & Biotechnology, Centre for Excellence for Water and Energy Banasthali Vidyapeeth,Tonk, Rajasthan
- **Dr. Soma Chattopadhyay,** Scientist-E, Institute of Life Sciences, Nalco Square, Bhubaneswar, Orissa 751023.
- 2021 Dr. Jitendra Kumar Thakur, Staff Scientist V, National Institute of Plant Genome Research, New Delhi
- 2020 Dr. Ritu Trivedi, Principal Scientist, CSIR-Central Drug Research Institute, Sec-10, Janki Puram Extension, Sitapur Road, Lucknow-226 031
- 2020 Dr. Shaon Ray Chaudhuri, Associate Professor, Department of Microbiology, Tripura University, Suryamaninagar, Tripura West-799 022
- 2020 Dr. Sudesh Kumar Yadav, Scientist F, Center of Innovative and Applied Bioprocessing (CIAB), Sec-81, SAS Nagar, Mohali-140 306
- Dr. Samir K. Maji, Associate Professor, Department of Biosciecne & Bioengineering, IIT Bombay, Powai, Mumbai 400 076
   Dr. Swarup K. Parida, Staff Scientist IV, Lab No-109, National
- **Dr. Swarup K. Parida**, Staff Scientist IV, Lab No-109, National Institute of Plant Genome & Research (NIPGR), Aruna Asaf Ali Marg, P.O. Box No: 10531, New Delhi- 110 067
- 2019 Dr. Atul Goel, Senior Principal Scientist, CSIR-Central Drug Research Institute, Sector-10, Jankipuram Extn., Sitapur Road, Lucknow-226 031
- **Dr. C. Anandharama Krishnan,** Director, Indian Institute of Crop Processing Technology, Pudhukottai Road, Thanjavur 613005
- **2018 Prof. Nandini Chatterjee Singh**, Professor, National Brain Research Centre, NH-8, Manesar, Gurugram 122051
- 2018 Dr. Pulok Kumar Mukherjee, Head, Department of Pharmaceutical Technology & Director, School of Natural Product Studies, Jadavpur University, 188, Raja S.C. Mullick Road, Kolkata – 700 032
- **Dr. Debasis Chattopadhyay,** Scientist V, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110 067
- 2017 Dr. Inshad Ali Khan, Principal Scientist, Clinical Microbiology Division, CSIR-Indian Institute of Integrative Medicine, Canal Road, Jammu – 180 001
- **2016 Dr. Ashwani Pareek,** Professor, 401, School of Life Sciences, Jawaharlal Nehru University, New Delhi.
- 2016 Prof. Ashish Suri, Professor, Department of Neurosurgery, All India Institute of Medical Sciences, New Delhi.
- **Dr. Sathees C. Raghavan,** Associate Professor, Department of Biochemistry, Indian Institute of Science, Bangalore 560 012
- 2015 Dr. Dipshikha Chakravortty, Associate Professor, Department of Microbiology and Cell Biology, Indian Institute of Science, Bangalore– 560 012
- **Dr. Manmohan Parida,** Scientist F, Head, Department of Virology & Bioprocess, Scale-up Facility, Defence R&D Establishment, DRDE, DRDO, Ministry of Defence, Jhansi Road, Gwalior 474002.
- 2014 Prof. Rinti Banerjee, Professor, Department of Biosciences & Bioengineering, Indian Institute of Technology Bombay, Powai, Mumbai – 400076.
- 2013 Dr. Tilak Raj Sharma, Principal Scientist (Biotechnology), National Research Centre on Plant Biotechnology, LBS Centre, Room No. 39, IARI, Pusa Campus, New Delhi – 110 012

- 2013 Dr. Anirban Basu, Scientist V, National Brain Research Center, Manesar, Haryana–122 051
- 2012 Dr. Manika Pal Bhadra, Principal Scientist, Department of Chemical Biology, Indian Institute of Chemical Technology, Uppal Road, Tarnaka, Hyderabad – 500 607
- 2012 Dr. Deepa Ghosh, Group Head (Wound Management and Tissue Engineering), Reliance Life Sciences Pvt. Ltd., DALC, Life Sciences Center, R-282, TTC Area of MIDC, Thane Belapur Road, Rabele, Navi Mumbai – 400 701
- 2011 Prof. Balram Bhargava, Professor/ Senior Consultant, Department of Cardiology, Cardiothoracic Sciences Centre, Executive Director, Stanford India Biodesign Centre, All Indian Institute of Medical Sciences, New Delhi-110029
- 2011 Dr. Subeer S. Majumdar, Staff Scientist-VI, National Institute of Immunology, Aruna Asif Ali Marg, New Delhi-110067
- 2010 Dr. Saumitra Das, Associate Professor, Department of Microbiology & Cell Biology, Sir C.V. Raman Avenue, Indian Institute of Science, Bangalore.
- 2010 Dr. Subhra Chakraborty, Staff Scientist IV, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, P.B. 10531, New Delhi.
- **2009 Dr. Gajendra Pal Singh Raghava,** Scientist F, Head, Bioinformatics Centre, Institute of Microbial Technology, Sector-39A, Chandigarh
- **2009 Dr. Ajay Kumar Parida,** Executive Director, M.S. Swaminathan Research Foundation, III Cross Street, Institutional Area, Taramani, Chennai
- **2008 Prof. Ram Rajasekharan,** Department of Biochemistry, Indian Institute of Science, Bangalore 560012.
- 2008 Prof. Tapas K. Kundu, Transcription & Disease Laboratory, Molecular Biology & Genetics Unit, JNCASR, Jakkur, Bangalore -560064
- 2007 Dr. P.N. Rangarajan, Associate Professor, Dept. of Biochemistry, Indian Institute of Science, Bangalore - 560012
- **2007 Dr. Tirlochan Mohapatra,** Principal Scientist, NRC on Plant Biotechnology, Indian Agricultural Research Institute,New Delhi 110012
- **2006 Dr. Sudhanshu Vrati,** Staff Scientist, Biology Laboratory, National Institute of Immunology, New Delhi
- 2006 Prof. Akhilesh K. Tyagi, Professor & Programme Coordinator (CPMB), Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi

# NASI-YOUNG SCIENTIST PLATINUM JUBILEE AWARDS IN THE FIELD OF BIOLOGICAL/PHYSICAL/CHEMICAL SCIENCES

## **Chemical Sciences**

- 2022 Dr. Ambrish Kumar Srivastava, Assistant Professor, Department of Physics, Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur -273009
- **Dr. Biswajit Manna**, Scientific Officer(E), Radiation & Photochemistry Division, Chemistry Group, BARC, Trombay, Mumbai 400085
- 2022 Dr. Garima Agrawal, Assistant Professor, School of Basic Sciences, Indian Institute of Technology Mandi, Himachal Pradesh - 175075
- 2022 Dr. Nilanjan Dey, Assistant Professor, Department of Chemistry, Birla Institute of Technology & Science Pilani, Hyderabad Campus, Jawahar Nagar, Kapra Mandal, Medchal District, Telangana- 500 078
- 2022 Dr. Pallavi Singhal, Scientific Officer (E), Environmental Monitoring and Assessment Division, Healthy Safety & Environment Group, Bhabha Atomic Research Center, Mumbai - 400085
- 2021 Dr. Abhishake Mondal, Assistant Professor, Room No-3, Solid State and Structural Chemistry Unit, Indian Institute of Science, Sir C.V. Raman Road. Bengaluru-560012
- 2021 Dr. Aruna Kumar Mora, Scientific Officer E, BARC Radiation & Photochemistry Division, Chemistry Group, BARC Trombay, Mumbai-400085
- **2021 Dr. Ritu Gupta**, Assistant Professor, Department of Chemistry, Indian Institute of Technology Jodhpur, Rajasthan 342037
- 2021 Dr. Achintya Kumar Dutta, Assistant Professor, Department of Chemistry, IIT Bombay, Powai, Mumbai-400076
- 2021 Dr. Sandhya Shenoy U., DST Inspire Faculty Department of Chemistry, College of Engineering and Technology, Srinivas University Mukka, Mangalore -574146
- 2020 Dr. Biplab Maji, Assistant Professor, Department of Chemical Sciences, Indian Institute of Science Education & Research, Kolkata, Mohanpur-741 246
- **2020 Dr. Shobhna Kapoor**, Assistant Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai Mumbai 400 076
- **2020 Dr. Nimai Pathak,** Scientific Officer 'E', Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai- 400 085
- 2020 Dr. Uttam Kumar Ghorai, Assistant Professor & Head, Department of Industrial Chemistry and Applied Chemistry, Ram Krishna Mission Vidyamandira, Belur Math, Howrah-711 202
- **2019 Dr. K. Geetharani**, Assistant Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science, Banglore- 560 012

- 2019 Dr. Brindaban Modak, Scientific Officer–E, Theoretical Chemistry Division, Chemistry Group, Bhabha Atomic Research Centre, Mumbai-400 085
- 2019 Dr. Murali Banavoth, Assistant Professor, School of Chemistry, University of Hyderabad, Hyderabad Central University P.O., Hyderabad – 500 046
- 2018 Dr. Uttam Manna, Assistant Professor, Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, Kamrup, Assam-781039
- 2018 Dr. Chandra Mouleeswara Rao Volla, Assistant Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai – 400076
- 2018 Dr. Rajib Ghosh, Scientific Officer, Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Tromay, Mumbai – 400085
- 2018 Dr. John Mondal, Scientist, Inorganic & Physical Chemistry Division, CSIR-Indian Institute of Chemical Technology, Taranka, Hyderabad-500007, Telangana
- 2017 Dr. Anshu Pandey, Assistant Professor, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bengaluru – 560 012
- 2017 Dr. Md. Mahuiddin Baidya, Assistant Professor, Department of Chemistry, Indian Institute of Technology Madras, Chennai – 600 036
- 2017 Dr. Prabhat Kumar Singh, Scientific Officer E, Radiation & Photochemistry Division Chemistry Group, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085
- 2017 Dr. R.S. Swathi, Assistant Professor, School of Chemistry, Indian Institute of Science Education and Research (IISER), Computer Science Building, CET Campus, Thiruvananthapuram – 695 016
- 2016 Dr. Pazhamalai Anbarasan, M.Sc., Ph.D., Assistant Professor, Department of Chemistry, Indian Institute of Technology Madras, Chennai – 600 036
- 2016 Dr. Ram Awatar Maurya, M.Sc., Ph.D., Scientist, Division of Medicinal Chemistry , CSIR-North East Institute of Science and Technology, Jorhat – 785 006
- 2016 Dr. Bhahwal Ali Shah, M.S., Ph.D., Scientist, Natural Product Chemistry (Microbes) Division, CSIR-Indian Institute of Integrative Medicine, Canal Road, Jammu – 180 001
- 2016 Dr. Prabeer Barpanda, M.S., Ph.D., Assistant Professor, Materials Research Center, Faraday Materials Laboratory, Room 203, Indian Institute of Science, Bangalore – 560 012
- 2015 Dr. Bharate Sandip Bibishan, M.S., Ph.D., Senior Scientist, Medicinal Chemistry Division, CSIR-Indian Institute of Integrative Medicine, Canal Road, Jammu – 180 001
- 2015 Dr. Santanu Kumar Pal, M.Sc., Ph.D., Assistant Professor, Indian Institute of Science Education and Research Mohali, Sector 81, S.A.S. Nagar, Manauli, Mohali 140 306
- 2015 Dr. Kanishka Biswas, M.Sc., Ph.D., Faculty Fellow, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur P.O., Bangalore – 560 064

2014 Dr. Angshuman Nag, M.Sc., Ph.D., Ramanujan Fellow, Department of Chemistry, Indian Institute of Science Education and Research, 900, NCL Innovation Park, Dr. Homi Bhabha Road, Pashan, Pune – 411008

- 2014 Dr. Bikash Kumar Jena, M.Sc., Ph.D., Scientist, Colloids and Materials Chemistry Department, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar – 751013
- 2014 Dr. Rajneesh Misra, M.Sc., Ph.D., Assistant Professor, Department of Chemistry, Indian Institute of Technology Indore, M-Block, IET Campus (DAVV), Khandwa Road, Indore – 452017
- 2013 Dr. Debabrata Maiti, M.Sc., Ph.D., Assistant Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai- 400 076
- 2013 Dr. Santanu Mukherjee, M.Sc., Ph.D., Assistant Professor, Department of Organic Chemistry, Indian Institute of Science, Bangalore – 560012
- 2012 Dr. Sujit Kumar Ghosh, Assistant Professor, Department of Chemistry, Indian Institute of Science Education and Research, Mendeleev Block, Dr. Homi Bhabha Road, Pune – 411 008
- 2012 Dr. Surya Prakash Singh, Scientist, Inorganic & Physical Chemistry Division, Indian Institute of Chemical Technology, Tarnaka, Uppal Road, Hyderabad – 500 607
- **2011 Dr. Rahul Banerjee,** M.Sc., Ph.D., PDF, Scientist C, National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411008
- 2010 Dr. Deepa Melepurath, M.Sc., Ph.D., Assistant Professor, Department of Chemistry, Indian Institute of Technology Hyderabad, Ordnance Factory Estate, Yeddumailaram
- 2009 Dr. Sharmistha Dutta Choudhury, Scientific Officer D, Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai - 400 085
- 2008 Dr. Raghavan B. Sunoj, Associate Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai – 400 076
- 2007 Dr. Manoj Kumbhakar, Scientific Officer D, Radiation and Photochemistry Division, Chemistry Group, Mod. Lab., Bhabha Atomic Research Centre, Trombay, Mumbai- 400 085
- 2007 Dr. (Ms.) Suman Lata Jain, Research Associate, Process Engineering, Applied Chemistry and Biotechnology Division (PEACBD), Indian Institute of Petroleum, Dehradun 248 005
- 2006 Dr. M. Jayakannan, Scientist C, Specialty Polymers, Chemical Sciences and Technology Division, Regional Research Laboratory, Thiruvananthapuram

#### **Physical Sciences**

- 2022 Dr. Neeldhara Mishra, Associate Professor, AB 4/305, IIT Gandhinagar, Palaj, Near GIFT City Gandhinagar, Gujarat- 382355
- 2022 Dr. Dipanshu Bansal, Assistant Professor, Department of Mechanical Engineering, Indian Institute of Technology Bombay, Mumbai- 400 076

- 2022 Dr. Jason Ryan Picardo, Assistant Professor (Grade -1), CL 224, Department of Chemical Engineering, Indian Institute of Technology Bombay, Mumbai- 400076
- 2022 Dr. Manabendra Saharia, Assistant Professor, V-224, Department of Civil Engineering, Hauz Khas, IIT Delhi, New Delhi – 110016
- 2022 Dr. Prosenjit Das, Assistant Professor, Department of Material Science, Division of Mechanical Sciences, Indian Institute of Science, Bangalore -560012
- 2022 Dr. Ankit Jain, Assistant Professor, F-32, Mechanical Engineering Department, Indian Institute of Technology, Bombay, Powai, Mumbai-400076
- 2022 Dr. Amiya Kumar Samal, Assistant Professor, Department of Geology, Banaras Hindu University, Varanasi-221005
- 2022 Dr. Prayush Kumar, Reader, International Centre for Theoretical Sciences, Tata Institute of Fundamental Research, Survey No.- 151, Shivakote, Hesaraghatta Hobli, Bengaluru- 560089
- 2022 Dr. Suvendu Rakshit, Scientist C, Aryabhatta Research Institute of Observational Sciences, Nainital - 263002
- 2022 Dr. Wageesh Mishra, Assistant Professor, Office No. 418, Indian Institute of Astrophysics, Koramangala, II block, Bengaluru- 560034
- 2021 Dr. N.M. Anoop Krishnan, Assistant Professor, Department of Civil Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi-110016
- 2021 Dr. Aravind Kumar Chandiran, Assistant Professor, CHL 206A, Chemical Engineering Laboratory, Department of Chemical Engineering, IIT Madras, Adyar, Chennai- 600036
- 2021 Dr. Raghvendra Kumar Chaudhary, Associate Professor Room No. 634-H, New Academic Building, Department of Electronics Engineering, Indian School of Mines, Dhanbad-826004
- 2021 Dr. Jayen A. Moses, Assistant Professor & In-charge Indian Institute of Food Processing Technology Ministry of Food Processing Industries, Govt. of India, Thanjavur- 613 005
- 2021 Dr. Pooja Devi, Principal Scientist & Associate Professor, Central Scientific Instruments Organization Sector-30C, Chandigarh— 160 030
- 2021 Dr. Surendra Kumar Makineni, Assistant Professor Room No-E-407, Department of Material Engg., Indian Institute of Science, Bangalore, Bangalore-560 012
- **Dr. Vidya Kochat,** Assistant Professor, Material Science Centre, Indian Institute of Technology, Kharagpur West Bengal 721302
- 2021 Dr. Priyadarshi Chinmoy Kumar, Scientist -B, 4 th Block Geophysics Building, Wadia Institute of Himalayan Geology, 33 GMS Road, Dehradun, Uttarakhand- 248001
- 2021 Dr. Riddhipratim Basu, Reader F, International Centre for Theoretical Sciences, Tata Institute of Fundamental Research , Survey 151, Shivakote, Hesaraghatta Hobli Bengaluru – 560089
- **2021 Dr. Anshuman Kumar,** Assistant Professor, Physics Department, IIT Bombay, Powai, Mumbai 400076
- 2021 Dr. Sugam Kumar, Scientific Officer (F) Solid state Physics Division, Bhabha Atomic Research Centre, (BARC) Mumbai-400085

2020 Dr. Mudrika Khandelwal, Associate Professor, C-435, Academic Block C, Indian Institute of Technology, Hyderabad, NH-65, Kandi, Sangareddy- 502 285

- 2020 Dr. Richa Ojha, Assistant Professor, Department of Civil Engg., Indian Institute of Technology, Kanpur, Kanpur–208 016
- 2020 Dr. Sudhanshu Shekhar Singh, Assistant Professor, WL303A, Department of Material Science and Engineering, Indian Institute of Technology Kanpur, Kanpur-208 016
- 2020 Dr. Chandra Sekhar Tiwary, Assistant Professor, Room No-203, Metallurgical and Materials Engineering, Indian Institute of Technology, Kharagpur, Kharagpur W.B- 721 302
- 2020 Dr. Shib Sankar Ganguli, Scientist, Room No-114, Gas Hydrates & CSS Lab Building, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad-500 007
- 2020 Dr. Anirban Basak, Reader-F, Institutional Centre for Theoretical Sciences, Tata Institute of Fundamental Research, Survey No-151, Shivakote Hesaraghatta Hobli, Bangalore-560 089
- 2020 Dr. Ashish Bhatnagar, Assistant Professor, Department of Physics
   & Material Sciences Engg., Jaypee Institute of Information
   Technology, A-10, Sec. 62, Noida-201 307
- 2019 Dr. Sandeep Anand, Assistant Professor, Department of Electrical Engineering, Indian Institute of Technology Kanpur, Kanpur-208 016
- 2019 Dr. Shyamprasad Karagadde, Assistant Professor, Room S33, Department of Mechanical Engineering, Indian Institute of Technology Bombay, Powai Mumbai-400 076
- 2019 Dr. Abhik Ghosh, INSPIRE Faculty, Interdisciplinary Statistical Research Unit, Indian Statistical Institute Kolkata, 203, B.T. Road, Kolkata – 700 108
- 2019 Dr. Debasish Borah, Assistant Professor, Indian Institute of Technology, Guwahati, Guwahati-781 039
- 2019 Dr. Veerendra Kumar Sharma, Scientific Officer (F), Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai-400 085
- 2019 Dr. Auditya Sharma, Assistant Professor, Department of Physics, Indian Institute of Science Education & Research, Bhopal Bypass Road, Bhauri, Bhopal 462 066
- 2018 Dr. Mayank Shrivastava, Assistant Professor, Department of Electronics Systems Engineering, Indian Institute of Science, Bangalore-560012
- 2018 Dr. Sushmee Badhulika, Associate Professor, Room no-E-211, E Block, Department of Electrical Engineering, Indian Institute of Technology Hyderabad, Kandi, Sangareddy, Telangana – 502285
- 2018 Dr. Ravikrishnan Vinu, Associate Professor, Room No-201, Chemical Engg. Lab, Department of Chemical Engineering, Indian Institute of Technology, Madras, Chennai-600036
- 2018 Dr. Arpita Patra, Assistant Professor, Room No. 331, Department of Computer Science and Automation, Indian Institute of Science, Bengaluru -560012

- 2018 Dr. Shyam Sundar Ghoshal, Reader, Centre for Applicable Mathematics, Tata Institute of Fundamental Research, Post Bag No. 6503, GKVK Post Office, Sharda Nagar, Chikkabommsandra, Bangalore – 560065
- 2018 Dr. Sudhanwa Patra, Assistant Professor, Centre of Excellence in Theoretical and Mathematical Sciences, Siksha 'O' Anusandhan University, Khandagiri Sqaare, Bhubaneswar – 751030
- 2018 Dr. Vikram Vishal, Assistant Professor, Discipline of Earth Sciences, Indian Institute of Technology Bombay, Powai, Mumbai – 400076
- 2017 Dr. C.T. Dhanya, Assistant Professor, Department of Civil Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 110 016
- 2017 Dr. Chandra Shekhar Sharma, Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology Hyderabad, Kandi, Sangaredy Mandal 502 285
- 2017 Dr. Manan Suri, Assistant Professor, Department of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi – 110 016
- **2017 Dr. Mohit Tyagi,** Scientific Officer (F), Crystal Technology Section, Technical Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai 400 085
- 2016 Dr. Praveen Kumar, M.S., Ph.D., Assistant Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore – 560 012
- 2016 Dr. Sriparna Saha, M.Tech., Ph.D., Assistant Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Navin Govt. Polytechnic Campus, Patliputra Colony, Patna – 800 013
- 2016 Dr. Sagar Chakraborty, M.Sc., Ph.D., Assistant Professor, Department of Physics, Indian Institute of Technology Kanpur, Kanpur – 208 016
- 2016 Dr. Santanu Sarkar, M.Sc., Ph.D., Assistant Professor, Department of Mathematics, Indian Institute of Technology Madras, Chennai – 600 036
- 2015 Dr. Rahul Vaze, M.E., Ph.D., Assistant Professor, School of Technology and Computer Science, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Mumbai – 400 005
- 2015 Dr. Dalvi Sameer Vishvanath, M.Tech., Ph.D., Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology Gandhinagar, VGEC Campus, Chandkheda, Ahmedabad – 382 424
- 2015 Dr. Chandan Srivastava, M.Sc., Ph.D., Assistant Professor, Department of Materials Engineering, Indian Institute of Science, Bangalore – 560 012
- 2015 Dr. Prithwish Tribedy, M.Sc., Ph.D., Scientific Officer, Experimental High Energy Physics and Application Group, Variable Energy Cyclotron Centre, 1/AF Bidhan Nagar, Kolkata – 700 064
- 2015 Dr. Vineeth Chandrasekharan Nair, M.Sc., Ph.D., Scientist SD, Space Physics Laboratory, Vikram Sarabhai Space Centre (ISRO), Thiruvananthapuram – 695 022

2014 Dr. Murali VRM Kota, M.S., Ph.D., Chief Technologist, Nanotechnology, IBM India, NE-116, Block No. 8, New Housing Colony, Indian Institute of Science, Bangalore – 560012

- 2014 Dr. Chirasree Roychaudhuri, M.E., Ph.D., Assistant Professor, Department of Electronics and Telecommunication Engineering, Indian Institute of Engineering, Science and Technology, Howrah -711103
- 2014 Dr. Abhijit Chatterjee, Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology Bombay, Trombay, Mumbai - 400076
- 2014 Dr. Sanjib Kumar Agarwalla, M.Sc., Ph.D., Assistant Professor, Institute of Physics, Sachivalaya Marg, Sainic School Post, Bhubaneswar – 751005
- 2014 Dr. Adarsh Kumaran Nair Valsala Devi, M.Sc., Ph.D., Assistant Professor, Department of Physics, Indian Institute of Science Education and Research, ITI (Gas Rahat) Building (Transit Campus), Govindpura, Bhopal – 462023
- 2014 Dr. Yalavarthy Phaneendra Kumar, M.Sc., Ph.D., Assistant Professor, Supercomputer Education and Research Centre (SERC), Indian Institute of Science, Bangalore – 560012
- 2013 Dr. Goutam Kumar Paul, B.E. M.S., Ph.D., Assistant Professor, Department of Computer Science & Engineering, Jadavpur University, Kolkata; 21/5, Bankim Mukherjee Sarani, (Sahapur Colony), Plot No. 65 & 66, 2nd Floor, New Alipore, Kolkata 700 053
- 2013 Dr. Subimal Ghosh, M.E., Ph.D., Assistant Professor, Department of Civil Engineering, Indian Institute of Technology Bombay, Pawai, Mumbai – 400 076
- 2013 Dr. Suvrat Raju, A.M., Ph.D., Reader in Physics, International Centre for Theoretical Sciences, Tata Institute of Fundamental Research, IISC Campus, Malleswaram, Bengaluru – 560 012
- **2013 Dr. Amit Kumar Agarwal,** M.S., Ph.D., Assistant Professor, Department of Physics, Indian Institute of Technology Kanpur, Kanpur 208 016
- 2013 Dr. Malali Sampoorna, M.Sc, Ph.D., Reader, Indian Institute of Astrophysics (IIA), IInd Block, Koramangala, Bangalore – 560 034
- 2012 Dr. Rajesh V. Nair, Scientific Officer D, Atomic and Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai – 400 085
- 2012 Dr. Kirti Chandra Sahu, Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology Hyderabad, Ordinance Factory Estate, Yeddumailaram – 502 205
- 2012 Dr. Ansuman Banerjee, Assistant Professor, Indian Statistical Institute, Kolkata, B-16/11, ECTP Phase-IV, Abhyudoy Co-operative Housing Society Ltd., Kolkata – 700107
- 2012 Dr. Seena V., Guest Faculty Member, IIT Rajasthan, W/o Dr. Pradeep Kumar P., Devi Sadan, Behind Thirupuraykal Devi Temple, Vadakkanthara (PO), Palakkad, Kerala
- 2011 Dr. Sudarshan Ananth, M.Sc., Ph.D., Assistant Professor, Indian Institute of Science Education & Research, First Floor, Central Tower, Sai Trinity Building, Pashan- Sus Road, Pune- 411021

- **Dr. Dhanvir Singh Rana,** M.Sc., Ph.D., Assistant Professor, Indian Institute of Science Education & Research Bhopal, ITI (Gas Rahat) Building, Raisen Road, Govindpura- 462023 (Bhopal, M.P.)
- 2010 Dr. Ajay Singh, M.Sc. Ph.D., Scientific Officer (E), Technical Physics Division, Mod. Labs, Bhabha Atomic Research Centre, Trombay, Mumbai
- 2010 Dr. Govind, M.Sc., Ph.D., Scientist 'C', Surface Physics & Nanostructures Group, National Physical Laboratory, Dr. K.S. Krishnan Road, New Delhi
- **2010 Dr. Sudip Misra,** M.S., D.Phil., Assistant Professor, School of Information Technology, Indian Institute of Technology, Kharagpur.
- 2010 Dr. Kantesh Balani, M.Tech., M.S., Ph.D., Assistant Professor, Department of Materials & Metallurgical Engg., Faculty Building, Room No. 412, Indian Institute of Technology Kanpur, Kanpur
- 2009 Dr. U.K. Anandavardhanan, Assistant Professor, Department of Mathematics, Indian Institute of Technology Bombay, Powai, Mumbai- 400 076
- 2009 Dr. S. Suresh Babu, Scientist, SD; Research & Development, Space Physics Laboratory, Vikram Sarabhai Space Centre, Thiruvananthapuram - 695 022
- 2009 Dr. Pradipta Maji, Assistant Professor, Machine Intelligence Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata - 700 108
- 2008 Dr. Yogesh Moreshwar Joshi, Assistant Professor, Department of Chemical Engineering, Indian Institute of Technology, Kanpur – 208016
- **2008 Dr. Sidhartha Gadgil,** Associate Professor, Department of Mathematics, Indian Institute of Science, Bangalore 560 012
- 2008 Dr. L. Sunil Chandran, Assistant Professor, Computer Science and Automation Department, Indian Institute of Science, Bangalore – 560 012
- 2008 Dr. Parag Ratnakar Gogate, Lecture in Chemical Engineering, ICT, University of Mumbai; Res. Plot No. 24, First Floor, Adwait Co-op. Housing Society, M.D. Keni Road, Mumbai 400 042
- 2007 Dr. Suman Chakraborty, Assistant Professor, Department of Mechanical Engineering, Indian Institute of Technology, Kharagpur -721 302
- 2007 Dr. Deepankar Choudhury, Assistant Professor, Department of Civil Engineering, Indian Institute of Technology Bombay, Powai, Mumbai - 400 076
- 2006 Dr. Ankush Mittal, Assistant Professor, Department of Electronics and Computer Engineering, Indian Institute of Technology, Roorkee

### **Biological Sciences**

- 2022 Dr. Ashish Prasad, Research Associate III, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi- 110067
- 2022 Dr. Dhiman Chakravarty, Scientific Officer-E, Molecular Biology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, Maharashtra - 400085

2022 Dr. Haritha Bollinedi, Scientist (Senior Scale), Room No. 15, Division of Genetics, ICAR-IARI, New Delhi- 110012

- 2022 Dr. Kirtikumar Ramesh Kondhare, DST Inspire Faculty Fellow; CSIR-NCL, Biochemical Sciences Division, Dr. Homi Bhabha Road , Pashan, Pune- 411008
- 2022 Dr. Mukesh Kumar Meena, Post-Doctoral Fellow, Jasmonate Signaling Lab, Germany & National Institute of Plant Genome Research, New Delhi- 110067
- 2022 Dr. Namisha Sharma, Research Associate, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi- 110067
- 2022 Dr. Nisha Singh, DST-INSPIRE Faculty, Gujrat Biotechnology University (DST,GoG), Gujrat International Finance Tec- City, Gandhinagar, Gujrat – 382355
- 2022 Dr. Greeshma Thrivikraman, Assistant Professor, Room No. 222, Block II, Department of Biotechnology, Bhupat & Jyoti Mehta School of Biosciences, IIT Madras, Chennai-600036
- 2022 Dr. Shubhi Pandey, Post Doctoral Fellow, Lab No.-3, Department of Biological Sciences & Bio- Engineering, Indian Institute of Technology, Kanpur– 208016
- 2022 Dr. Aditya Banerjee, Senior Research Fellow, Department of Biotechnology, St. Xavier's College (Autonomous), Kolkata-700016
- 2022 Dr. Rahul Shukla, Scientist, Division of Virus Research and Therapeutics, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow -226031
- 2022 Dr. Rohan Jayant Khadilkar, Scientific officer D (Principal Investigator), Advanced Centre for Treatment, Research and Education in Cancer (ACTREC) Tata Memorial Centre, Owe Camp, Sector 22, Utsav Chowk CISF Road, Kharghar, Navi Mumbai 410210
- 2022 Dr. Harsha Bajaj, Scientist, CSIR- National Institute for Interdisciplinary Science and Technology, Pappanamcode, Thiruvananthapuram, Kerala- 695019
- 2022 Dr. Kirtimaan Sayal, Assistant Professor, C-209, Birla Institute of Technology and Sciences- Pilani, Hyderabad Campus, Institute of Eminence, Hyderabad, Telangana- 500078
- 2022 Dr. Kesavardana Sannula, Assistant Professor, Lab FB-02, Department of Biochemistry, Indian Institute of Science, Bangalore-560012
- **2021 Dr. Premachandran Yadukrishnan,** C.V. Raman Post-doctoral Fellow, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore, Karnataka 560012
- **2021 Dr. Deepa Jaiswal,** Sr. Research Fellow Department of Botany, Institute of Science, Banaras Hindu University, Varanasi -221005
- 2021 Dr. Jamsheer K. Muhammed, DST Inspire Faculty J1-G02, Amity University Uttar Pradesh, Amity Rd, Sector 125, Noida, Uttar Pradesh 201313
- **2021 Dr. Hitaishi Khandal**, Post-Doc Fellow Israel Institute of Technology-Technicon Israel Lab # 501; Faculty of Biology, Hafia, Israel- 32000
- 2021 Dr. Vignesh Muthusamy, Scientist, Lab No-102 Maize Genetic Unit Division of Genetics, ICAR-Indian Agricultural Research Institute, Pusa campus, New Delhi-110012

- 2021 Dr. Md. Iqbal Raja Khan, Assistant Professor Department of Botany, School of Chemical & Life Sciences, Jamia Hamdard, New Delhi-110 062
- 2021 Dr. Parijat Sarkar, Sr. Project Associate Room No E113, CSIR-Centre for Cellular and Molecular Biology (CCMB) Uppal Road, Habsiguda, Hyderabad-500 007
- 2021 Dr. Punita Kumari, Post-doctoral Fellow C/o Shailendra kumar, Krishna Towers, Flat No. 505, Gandha Jhor, chira Chaas, Bokaro steel City, Jharkhand-827013
- 2021 Dr. Neha Varshney, Post-doctoral Fellow, Ludwig Institute for Cancer Research, 9500 Gilman Drive, CMM East, Room No. 3071 La Jolla, California, US- 92093
- 2021 Dr. Santanu Adhikary, CSIR-Senior Research Fellow, Structural Biology & Bioinformatics Division CSIR-Indian Institute of Chemical Biology 4,Raja S.C. Mullick Road, Jadavpur, Kolkata-700032
- 2021 Dr. Ganesh Kumar Maurya, Assistant Professor Department of Zoology, Mahila Maha vidyalaya, Banaras Hindu University , Varanasi- 221 005
- **2021 Dr. Gaurab Sircar**, Dept. of Botany, Siksha Bhavan, Visva-Bharati, Santiniketan-731235
- 2020 Dr. Neha Gupta, Post –Doctoral Research Fellow, Department of Bioscience, Faculty of Natural Sciences Jamia Milia Islamia New Delhi, R/o: WZ-706A Sadh Nagar St. No-18F, Palam Colony New Delhi-110 045
- 2020 Dr. Kautilya Kumar Jena, Research Scholar, Institute of Life Sciences, NALCO Square, NALCO Nagar, Chandrashekharpur, Bhubneshwar-751 023
- 2020 Dr. Somenath Roy Chowdhury, Research Fellow, Indian Institute of Chemical Biology, Balaji Twin, Flat No 3A, 63, Rabindra Nagar (East), P.O. Laskarpur, P.S. Sonarpur, Dist- South 24 Parganas Kolkata 700 153
- 2020 Dr. Rohit Sharma, INSPIRE Faculty Fellow, Block J, Room No-212, Pharmacology & Toxicology Laboratory, Food and Nutraceuticals Division, CSIR-Institute of Himalayan Bio resource Technology, Palampur 176 061
- 2020 Dr. S.N. Suresh, SID (Innovation Cente) Complex, Indian Institute of Science, Malleswaram 18th Cross, Bangalore-560 012
- 2020 Dr. Durga Madhab Swain, DBT-Research Associate, Lab No-107, Plant-Microbe Interaction Biology Lab, National Institute of Plant Genome Research (NIPGR), Aruna Asaf Ali Marg, New Delhi-110067
- 2020 Dr. Deepika Sharma, DST-INSPIRE Faculty, Plant Signaling Lab, National Institute of Plant Genome Research (NIPGR), C-11/94, Yamuna Vihar, Near Priya Panchwati, Delhi-110 053
- 2020 Dr. Nitika Sandhu, Molecular Geneticist, School of Agricultural Biotechnology, Punjab Agricultural University, Ludhiana-141 004
- 2020 Dr. Shouvik Das, Post-doctoral Research Associate, C/o: Dr. H.K. Dixit, Pulse Research Laboratory, Division of Genetics, Indian Agriculture Research Institute, New Delhi 110 012

2020 Dr. Sanjana Negi, DST-INSPIRE Faculty, Department of Biotechnology, University of Mumbai, 907, Nilgiri, Anushakti Nagar, Bhabha Atomic Research Centre, Mumbai-400 094

- 2019 Dr. Mohan CD, Assistant Professor, Department of Studies in Molecular Biology, University of Mysore, Manasagangotri, Mysore-570 006
- 2019 Dr. Subhash Mehto, DST-SERB National Post-doctoral Fellow, Institute of Life Sciences , Nalco Square, Chandrasekharpur, Bhubneshwer - 751 023, Odisha
- 2019 Dr. Vikas Yadav, Research Associate, Molecular Mycology Laboratory, Molecular Biology and Genetics Unit, Jawaharlal Nehru Center for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru – 560064
- 2019 Dr. Ved Prakash Dwivedi, Group Leader, Department of Immunology, International Center for Genetic Engineering and Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi-302 004
- **2019 Dr. Naresh Lalaji Selokar,** Scientist, Division of Animal Physiology and Reproduction, ICAR-Central Institute for Research on Buffaloes, Hisar-125 001, Haryana
- 2019 Dr. Poonam Mehra, DST-INSPIRE Faculty, Lab No-203, Department of Plant Molecular Biology, University of Delhi, New Delhi-110 021
- 2019 Dr. Rajesh Chandra Misra, Post-doctoral Scientist, Department of Metabolic Biology, John Innes Centre, C/o Mr. Daya Krishna Misra, Bhagwati Niwas, 656/1857-39B, Near IISE, Kanchan Nagar, Kalyanpur, Lucknow-226 022
- 2019 Dr. Alice Kujur, DST-INSPIRE Faculty, C/o Dr. Rajeev K. Varshney, Bulding 300, Centre of Excellence in Geonomics & Systems Biology, International Crops Research Institute for Semi-Arid, Patancheru, Hyderabad-502 324
- 2019 Dr. Sunita Kushwah, Post-Doctoral Fellow, Umea Plant Science Centre (UPSC), Swedish University of Agricultural Sciences, Sweden, D/c Indra Singh Kushwah, 376, Gulab Bag Colony, Ring Road, Dewas Naka, Indore – 452 010
- **2019 Dr. Ram Hasthi,** DST-INSPIRE Faculty, National Agr-Food Biotechnology Institute (NABI), Mohali, Punjab
- 2018 Dr. Mahak Sharma, Associate Professor, Room 3F7, Academic Block-2, Department of Biological Sciences, Indian Institute of Science Education & Research Mohali, Sector-81, Knowledge City, SAS Nagar, Mohali, Punjab-140306
- 2018 Dr. Yogita K. Adlakha, DST Inspire Faculty, Department of Cellular
   & Molecular Neruroscience, National Brain Research Centre,
   Manesar, Gurugram, Haryana 122051
- **2018 Dr. Anupam Guleria,** DŚT INSPIRE Faculty, Centre of Biomedical Research (CBMR), Sanjay Gandhi P.G.I.M.S. Campus, Raebareli Road. Lucknow 226014
- 2018 Dr. Arvind Kumar Rengan, Assistant Professor, Department of Biomedical Engg., Indian Institute of Technology Hyderabad, Kandi, Sangareddy-502285
- 2018 Dr. Manjul Singh, Severo Ochoa Postdoctoral Fellow, C/o Prof. J.P. Khurana, Interdisciplinary Centre for Plant Genomics, University of Delhi South Campus, New Delhi– 110021

- 2018 Dr. Ashish Kumar Srivastava, Scientific Officer-F, Plant Stress Physiology and Biotechnology Section, Nuclear Agriculture & Biotechnology Division, Bhabha Atomic Research Centre, Mumbai – 400085
- 2018 Dr. Muthamilarasan Mehanathan, DST INSPIRE Faculty, ICAR-National Research Centre on Plant Biotechnology, Pusa Campus, New Delhi - 110012
- 2018 Dr. Jogi Madhuprakash, Assistant Professor, Room No-F69, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Gachibowli, Hyderabad – 500046
- 2018 Dr. Dipak Gayen, National Post-Doctoral Fellow (SRB-NPDF), National Institute of Plant Genome Research, Aruna Asaf Ali Marg, P.O. Box 10531, New Delhi-110067
- 2017 Dr. Devanjan Sinha, Assistant Professor, Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi – 221 005
- 2017 Mr. Mainak Bose, Research Scholar, CSIR-NET (SPMF), CSIR-Indian Institute of Chemical Biology, Kolkata 700 008
- 2017 Dr. Vijay Soni, Senior Research Fellow, Signal Transduction Laboratory, National Institute of Immunology, Aruna Asaf Ali Road, New Delhi – 110 067
- 2017 Dr. Durba Pal, Assistant Professor, Center for Biomedical Engineering, Indian Institute of Technology Ropar, Nangal Road, Rupnagar – 140 001
- 2017 Dr. Somyajit Kumar, Post Doctoral Fellow, Prof. Jiri Lukas Laboratory, The Novo Nordisk Foundation Centre for Protein Research, University of Copenhagen, Faculty of Health and Medical Sciences, Blegdamsvej 3B, building 6.1, DK 2200 Copenhagen N
- 2017 Dr. Pallavi Singh, Postdoctoral Research Associate, Department of Plant Sciences, University of Cambridge, Down Street, Cambridge, CB2 3EA, England
- **Dr. Bhanu Prakash**, Assistant Professor, Department of Botany, Institute of Science Banarus Hindu University, Varanasi 221 005
- 2017 Dr. Amarjeet Singh, Staff Scientist, Lab 205, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi – 110 067
- **Dr. Sudip Saha,** Post-Doctoral Fellow, Division of Plant Biology, Bose Institute, P 1/12, CIT Road, Scheme –VII, Kolkata 700 054
- 2016 Dr. Arun K. Shukla, M.Sc., Ph.D., Assistant Professor, Department of Biological Sciences and Bioengineering, Indian Institute of Technology Kanpur, Kanpur – 208 016
- **2016 Dr. Sameena Khan,** M.Sc., Ph.D., INSA INSPIRE Faculty, NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurgaon Expressway, P.O. Box #04, Faridabd 121 001
- 2016 Dr. Krishanpal Karmodiya, M.Sc., Ph.D., INSPIRE Faculty, Division of Biology, Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pashan, Pune 411 008
- 2016 Dr. Rehna Augustine, M.Sc., Ph.D., Post-doctoral Fellow, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi – 110 067
- 2016 Dr. Aditi Gupta, M.Sc., Ph.D., Research Associate-III, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi – 110 067

2016 Dr. Vasvi Chaudhry, M.Sc., Ph.D., CSIR-Nehru Science Post Doctoral Fellow, CSIR-Institute of Microbial Technology, Sector 39A, Chandigarh – 160 036

- 2016 Dr. Siddhesh B. Ghag, M.Sc., Ph.D., DST INSPIRE Faculty, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai Campus, Kalina, Santa Cruz (East), Mumbai – 400 098
- 2015 Dr. Tapan Kumar Gandhi, M.Tech., Ph.D., Assistant Professor, Department of Electrical Engineering, Block-II, Room No. 114, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110 016
- 2015 Dr. Ashutosh Kumar, M.Sc., Ph.D., Assistant Professor, Institute of Life Sciences, Ahmedabad University, Opposite University Bus Stop, University Road, Navarangpura, Ahmedabad – 380 009
- 2015 Dr. Sunil Kumar Singh, M.Sc., Ph.D., Assistant Professor (DST-INSPIRE Faculty), Department of Biotechnology, Motilal Nehru National Institute of Technology (MNNIT), Allahabad 211 004
- **Dr. Smita Kumar,** M.Sc. Ph.D., DST-INSPIRE Faculty, Department of Biotechnology, University of Lucknow, Lucknow 226 001
- 2015 Dr. Shri Ram Yadav, M.Sc., Ph.D., Assistant Professor, Department of Biotechnology, Indian institute of Technology Roorkee, Roorkee – 247 667
- **2015 Dr. Rahul Kumar**, M.Sc., Ph.D., BELSPO Postdoctoral Research Scientist, VIB Department of Plant Systems Biology, Ghent University, Technologiepark 927, 9052 Gent, Belgium
- 2015 Dr. Hima Bindu Kudapa, M.Sc. Ph.D., Scientist (DST-INSPIRE Faculty Fellow), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Center of Excellence in Genomics, Bilding # 300, Patancheru 502 324
- 2014 Dr. Radhakrishnan Mahalakshmi, M.S., Ph.D., Assistant Professor, Division of Virology, Indian Institute of Science Education and Research, Transit Campus, ITI (Gas Rahat) Building, Govindpura, Bhopal – 462023
- 2014 Dr. B. Anand, M.Tech., Ph.D., Assistant Professor, Department of Biotechnology, Indian Institute of Technology Guwahati, Guwahati – 781039
- 2014 Dr. Maruthi Krishna Mohan Poluri, M.Sc., Ph.D., Assistant Professor, Department of Biotechnology, Indian Institute of Technology Roorkee, Roorkee – 247667
- 2014 Dr. Sumit Ghosh, M.Sc., Ph.D., Senior Scientist, Department of Plant Biotechnology, CSIR-Central Institute of Medicinal and Aromatic Plants, P.O. CIMAP, Near Kukrail Picnic Spot, Lucknow – 226015
- 2014 Dr. Rohini Garg, M.Sc., Ph.D., INSPIRE Faculty Fellow, National Institute of Plant Genome Research (NIPGR), Aruna Asif Ali Marg, New Delhi – 110067
- 2014 Dr. Abhinav Grover, M.Tech., Ph.D., Assistant Professor, School of Biotechnology, Jawaharlal Nehru University, New Mehrauli Road, New Delhi – 110067
- 2014 Dr. Anirban Guha, M.Sc., Ph.D., Postdoctoral Research Fellow, C/o Dr. Deepak Barua, Indian Institute of Science Education and Research, Building HR-24, Biology Division, Dr. Homi Bhabha Road, Pashan, Pune 411008

- 2013 Dr. Biman Behari Mandal, M.Sc., Ph.D., Assistant Professor, Department of Biotechnology, Indian Institute of Technology Guwahati, Guwahati – 781 039
- 2013 Dr. Rajnish Kumar Chaturvedi, M.Sc., Ph.D., Scientist, Division of Developmental Toxicology, Systems Toxicology Group, CSIR-Indian Institute of Toxicology Research, 80, M.G. Marg, Lucknow – 226 001
- 2013 Dr. Jitender Giri, M.Sc., M.Phil., Ph.D., Staff Scientist II, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi – 110 067
- 2013 Dr. George Seghal Kiran, M.Sc., Ph.D., Assistant Professor, Department of Food Science and Technology, Pondicherry University, R.V. Nagar, Kalapet, Puducherry – 605 014
- 2013 Dr. Jitendra Kumar, M.Sc., Ph.D., Senior Research Fellow CSIR, Department of Biotechnology, National Agri-Food Biotechnology Institute, C-127, Industrial Area, S.A.S. Nagar, Phase 8, Mohali 160 071
- **2012 Dr. Neha Sehgal**, Senior Research Fellow, National Brain Research Centre, NH-8, Manesar, Gurgaon 122 050;
- **Dr. Rubina Tabassum,** Post-Doctoral Fellow, CSIR-Institute of Genomics and Integrative Biology, Delhi; A-27, DDA Colony, New Jafrabad, Shahdara, Delhi 110 032;
- 2012 Dr. Amit Awasthi, Assistant Professor, Translational Health Science Technology Institute (THSTI), Plot No. 496, Phase – III, Udyog Vihar, Gurgaon – 122 016;
- 2012 Dr. Arun Kumar Trivedi, Scientist C, Drug Target Discovery and Development Division, New Building Campus, CSIR-Central Drug Research Institute, Chattar Manzil, PB No. 173, Lucknow – 226 001;
- 2012 Dr. Santosh Kumar Upadhyay, CSIR-Senior Research Fellow (R & D), CSIR-NBRI, Lucknow; C/o Dr. P.K. Singh, Scientist, Plant Molecular Biology Division, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow 226 001;
- 2012 Dr. Rakesh Kumar Shukla, Scientist B, Biotechnology Division, Central Institute of Medicinal and Aromatic Plants, P.O. CIMAP, Lucknow – 226 015:
- 2012 Dr. Charu Lata, DST-INSPIRE Faculty Fellow, Room No. 221, National Research Centre on Plant Biotechnology (NRCPB), Lal Bahadur Shastri Bhawan, Pusa Campus, New Delhi – 110 012
- 2011 Dr. Manoj Majee, M.Sc., Ph.D., Staff Scientist III, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067
- 2011 Dr. Sudhakar Srivastava, M.Sc., Ph.D., Scientific Officer D, Functional Plant Biology Section, Nuclear Agriculture & Biotechnology Division, Bhabha Atomic Research Centre, Trombay 400085
- 2011 Dr. Swarup Kumar Parida, M.Sc., Ph.D., Staff Scientist II, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi - 110067
- 2011 Dr. Amit Kumar Mishra, M.Sc., Ph.D., Assistant Professor, Indian Institute of Technology Rajasthan, MBM Engineering College, Ratanada, Jodhpur- 342011

2011 Dr. Sarika Gupta, M.Sc., Ph.D., Staff Scientist, Molecular Sciences Lab, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi- 110067

- 2011 Dr. Vishal Trivedi, M.Sc., Ph.D., Assistant Professor, Department of Biotechnology, Indian Institute of Technology- Guwahati, Guwahati, Assam
- 2010 Dr. P.N. Sivalingam, M.Sc., Ph.D., Scientist (Plant Biotechnology), Central Institute for Arid Horticulture, ICAR, NH-15, Sri Ganganagar Road, Beechwal, Bikaner.
- 2010 Dr. Swarup Roy Choudhury, M.Sc.,Ph.D., Research Associate, Division of Plant Biology, Bose Institute, 93/1/, A.P.C. Road, Kolkata.
- 2010 Dr. P.C. Abhilash, M.Sc., Ph.D., UGC-Dr. K.S. Kothari Post Doctoral Fellow, BBA University, C/o Prof. M.M. Lal, 29/5A, Gokhale Vihar Marq, Lucknow.
- **2010** Mr. Mabalirajan Ulaganathan, MBBS.,Ph.D., Postdoctoral Trainee, C/o Dr. Balaram Ghosh Lab 608, Institute of Genomics and Integrative Biology (CSIR), Mall Road (Near Jubilee hall), Delhi.
- **2010 Dr. Surinder Singh Rana**, M.B.B.S., M.D., D.M., MAMS, Assistant Professor, Department of Gastroenterology, Postgraduate Institute of Medical Education and Research, Chandigarh.
- **2010 Dr. Anindita Ukil,** M.Sc., Ph.D., Lecturer, Department of Biochemistry, Calcutta University, University College of Science, 35, Ballygunge Circular Road, Kolkata.
- 2009 Dr. Neel Sarovar Bhavesh, Staff Research Scientist, Structural and Computational Biology Group, International Centre for Genetic Engineering and Biotechnology (ICGEB), Aruna Asaf Ali Marg, New Delhi - 110 067
- 2009 Dr. Nagendra Singh, Senior Research Officer, Deptt. of Biophysics, All India Institute of Medical Sciences, Ansari Nagar, New Delhi -110 029
- 2009 Dr. Gitanjali Yadav, Staff Scientist, Plant Computational Biology (Room No.204), National Institute of Plant Genome Research (NIPGR), Aruna Asaf Ali Marg, New Delhi - 110 067
- **2009 Dr. Mukesh Jain**, Staff Scientist, National Institute of Plant Genome Research (NIPGR), Aruna Asaf Ali Marg, New Delhi 110 067
- 2009 Dr. Sudesh Kumar Yadav, Scientist C, Biotechnology Division, Institute of Himalayan Bioresource Technology (CSIR), Palampur -176 061
- **2009 Dr. Pawan Kumar Joshi,** Associate Professor, TERI University; 10 Institutional Area, Vasant Kunj, New Delhi 110 070
- 2008 Dr. (Ms.) Saloni Mathur, Inter-disciplinary Centre for Plant Genomics, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, New Delhi – 110 021
- 2008 Dr. Pawan Laxminarayan Kulwal, Biotechnology Centre, Department of Agricultural Botany, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola – 444 104 (MS)
- **Dr. Pakshirajan Kannan**, Department of Biotechnology, Indian Institute of Technology Guwahati, Guwahati 781 039

- 2008 Dr. G. Venkatasubramanian, Assistant Professor of Psychiatry, Department of Psychiatry, National Institute of Mental Health & Neurosciences (NIMHANS), (Deemed University), Hosur Road, Bangalore – 560 029
- **2008 Dr. Monalisa Chatterji**, Villa 15, Vaswani Astoria, Kariyammana Agrahara, Bellandur P.O., Bangalore 560 037
- **Dr. Agneyo Ganguly,** Scientist, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, Kolkata 700 032
- 2007 Dr. Rajeev K. Varshney, Senior Scientist, Applied Genomics Laboratory, (Global Theme Biotechnology), International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Patancheru – 502324 (Near Hyderabad), Andhra Pradeh
- **Dr. Gopaljee Jha,** C/o Dr. Ramesh V. Sonti, E-309, Centre for Cellular and Molecular Biology, Uppal Road, Hyderabad 500007
- 2007 Dr. Lily Goswami, Junior Research Fellow, Bose Institute, Centenary Campus, P.M.C.G. Section, P1/12, C.I.T. Scheme VII M, Kankurgachhi, Kolkata - 700054
- **2007 Dr. Mohan Mondal**, Scientist, National Research Centre on Mithun (ICAR), Jharnapani, Medziphema, Via Dimapur, Nagaland 797106
- 2007 Dr. Deepak Narhari Modi, Sr. Research Officer, National Institute for Research in Reproductive Health (ICMR), JM Street, Parel, Mumbai- 400012
- **2007 Dr. Subhabrata Chakrabarti,** Staff Scientist (HERF), L.V. Prasad Eye Institute, Brien Holden Eye Research Centre, Road No. 2, Banjara Hills, Hyderabad 500034
- 2006 Dr. Mohd. Sohail Akhtar, Scientist Gr.IV (1), Division of Molecular
   & Structural Biology, Central Drug Research Institute, Lucknow
- **2006 Dr. Saurabh Raghuvanshi,** Assistant Professor, University School of Biotechnology, CGS Indraprastha University, Delhi

# SICO-SPONSORED NATIONAL ACADEMY OF SCIENCES, INDIA AWARDEES

(Instituted with a donation from the Scientific Instruments Co. Ltd., Allahabad)

Name & Address	Field	Year
Joseph, George Deputy Director Space Applications Centre, Ahmedabad	Instrumentation	1986
Hridya Nath, Rafiz Director Defence Instrumentation (R&D) Laboratory, Dehra Dun	Instrumentation	1986
Jayaraman, Kunthala Professor of Biotechnology Anna University, Madras	Biotechnology	1986
Kumar Sushil Professor of Molecular Biology Indian Agricultural Research Institute New Delhi	Biotechnology	1986
Ramakrishnan, P.S. School of Environmental Sciences Jawaharlal Nehru University, New Delhi	Environmental Sciences	1986
Gupta, S.C. Director Vikram Sarabhai Space Centre, Trivendrum	Instrumentation	1989
Bhargava, P.M. Formerly Director Centre for Cellular & Molecular Biology Hyderabad	Biotechnology	1989

Krishnamurthy, C.R. Cancer Research Institute Madras (Posthumously)	Environmental Sciences	1989
Sivaswami, Gp. Capt. R.S. Formerly M.D. Marine & Communication Electronics Ltd.	Instrumentation	1992
Chandra, H.G. Sharat Professor & Head Microbiology & Cell Biology Department I.I.Sc., Bangalore	Biotechnology	1992
Purohit, A.N. Director G.B. Pant Inst. of Himalayan Environment & Development, Almora	Environmental Sciences	1992
Rao, Kunda M.M. Group Head Imaging and Image Processing National Remote Sensing Agency Hyderabad	Instrumentation	1995
Bajpai, R.P. Scientist G and Head Microelectronics Div. and Std. Calibration Div. Central Scientific Instruments Organisation, Chandigarh	Instrumentation	1998
Maiti, Sudipta Reader 'F' Department of Chemical Sciences Tata Institute of Fundamental Research, Mumbai	Instrumentation	2001

# THE NATIONAL ACADEMY OF SCIENCES, INDIA SWARNA JAYANTI PURASKAR AWARDEES

- **2021 Dr. Chetna Patnaik,** ACTREC, Tata Memorial Centre, Navi Mumbai
- 2021 Dr. Shrishti Pandey, Amity University, Panvel, Mumbai
- 2021 Dr. Namdev More, NIPER, Gandhinagar
- **2021** Dr. Rohini Kumari, IIT BHU, Varanasi
- 2021 Dr. Snehalika Lall, Indian Statistical Institute, Kolkata
- 2021 Dr. Priya Malpani, Jaypee Institute of Information Technology, Noida
- 2021 Dr. Arindam Dutta, Jaypee Institute of Information Technology, Noida
- 2021 Dr. Argha Debnath, Bennett University, Greater Noida
- 2021 Dr. Nikhitha Nunavath, Jaypee Institute of Information Technology, Noida
- **2020 Dr. Ruchi Kakkar,** Primate Biology Laboratory, ICMR-National Institute for Research in Reproductive Health, Mumbai
- 2020 Dr. Sippy Singh, Department of Zoology, SS Khanna Girls' Degree College, Prayagraj
- 2020 Subham Banerjee, Department of Pharmaceutics, National Institute of Pharmaceutical Education & Research, Guwahati, Assam
- 2020 Ms. Aarti Jaiswal, Centre for Material Science, IIDS, University of Allahabad, Prayagraj
- **2019 Ms. Bhawna Kushawaha**, Central Institute for Research on Goats (ICAR-CIRG), Mathura, UP
- **2019** Mr. Vikas Kumar, Department of Microbiology, Dr. Shyama Prasad Mukherjee University, Ranchi, JH
- **2019 Ms. Aparna Pandey,** Ranjan Plant Physiology and Biochemistry Laboratory, Department of Botany, University of Allahabad, Prayagraj, UP
- 2019 Ms. Susmita Das, Plant Physiology and Biochemistry Laboratory, Centre of Advanced Studies, Department of Botany, University of Calcutta, Kolkata, WB
- **2019 Dr. Manoj Kumar,** Department of Statistics, Central University of Haryana, Mahendergarh-123031
- **2018 Ms. Harshita Pandey**, Plant Biotechnology Division, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow
- 2018 Ms. Namrata Dwivedi, Faculty of Science and Environment, M.G.C.G.V., Chitrakoot, Satna
- **2018 Ms. Preeti Jha**, Division of Cyclotron and Radiopharmaceutical Sciences, INMAS, DRDO, Timarpur, Delhi
- **2018 Ms. Paulomi Dey,** Department of Zoology, North-Eastern Hill University, Shillong
- 2018 Ms. Vani Mishra, NMR Division, CSIR-Central Drug Research Institute (CDRI), Lucknow
- **2018** Ms. Ritika Srivastava, Bio-organic Research Laboratory, Department of Chemistry, University of Allahabad, Allahabad

- 2018 Sri S. Umer Khalifa, Centre for Climate Change Studies, International Research Centre, Sathyabama Institute of Science and Technology, Chennai
- 2018 Sri Shashank Tripathi, Remote Sensing and GIS Division, MGCGV, Chitrakoot
- **2017 Ms. Aparna Banerjee**, UGC-CAS, Department of Botany, The University of Burdwan, Burdwan.
- **2017 Ms. Shrstha Sinha**, School of Studies in Zoology and Neuroscience, Jiwaji University, Gwalior.
- **2017 Mr. Durgesh Kumar Jaiswal,** Institute of Environment and Sustainable Development, BHU, Varanasi
- **2017 Ms. Amruta Shelar,** Department of Biotechnology, SP Pune University, Pune.
- **2017 Ms. Snehasis Dutta,** Chemical Engineering Division, BARC, Mumbai.
- **2017 Mr. Nandkishor B. Shirsath,** School of Chemical Sciences, North Maharashtra University, Jalgaon.
- 2017 Mr. Anurag Kanase, Department of Physics, SP Pune University, Pune.
- **2017** Ms. Roshni V, Department of Chemistry, SP Pune University, Pune.
- **2016 Ms. Deepti Pargai,** Department of Clothing and Textiles, G.B. Pant University of Agriculture and Technology, Pantnagar
- **2016** Mr. Sunil Sharma, Department of Zoology, North-Eastern Hill University, Shillong
- **2016 Ms. Shrstha Sinha,** School of Studies in Neuroscience and Zoology, Jiwaji University, Gwalior
- 2016 Mr. Yogendr Bahuguna, Uttarakhand Council of Science and Technology (UCOST), Department of Science & Technology (Govt. of Uttarakhand), Dehradun
- 2016 Ms. Chandani Sharma, Research Scholar, Department of Electronics & Communication Engineering, Graphic Era University, Dehradun
- 2016 Mr. Kishore Thapliyal, Jaypee Institute of Information Technology, Noida
- 2016 Mr. B.K. Tiwari, Department of Physics, A.P.S. University, Rewa
- 2016 Mr. Rajesh Mandal, Department of Chemistry, Dibrugarh University, Dibrugarh
- **Mr. Damanbha Lyngdoh,** Department of Zoology, North-Eastern Hill University, Shillong-793022
- **2015 Mr. J. M. Patra,** Department of Biotechnology, North Orissa University, Baripada (Odisha)
- **2015** Mr. Firoz Ali Ansari, Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi 110025
- **Mr. Rama Kant Dubey,** Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi 221005
- 2015 Ms. Neelam Shukla, Department of Chemistry, University of Allahabad, Allahabad - 211002
- **2015 Mr. T. Nageswara Rao,** Department of Chemistry, Krishna University, Machilipatnam- 521002

2015 Ms. Neelam Yadav, Centre of Material Sciences, University of Allahabad, Allahabad- 211002

- **2015 Ms. Sushmita Banerjee,** Environmental Chemistry Research Laboratory, Department of Chemistry, University of Allahabad, Allahabad 211 002
- **2014 Ms. Anuradha Singh,** Nucleic Acids and Antiviral Research Laboratory, Department of Chemistry, University of Allahabad, Allahabad
- 2014 Ms. Sushmita Banerjee, Department of Chemistry, University of Allahabad, Allahabad
- **2014 Ms. Bhavna Joshi,** Department of Physics, Jai NarainVyas University, Jodhpur
- 2014 Ms. Shingar Sharma, Department of Biochemistry, University of Delhi South Campus, New Delhi
- **2014 Ms. Shweta Jha,** Biotechnology Unit, Centre of Advance Studies in Botany, Jai Narain Vyas University, Jodhpur
- **2014 Mr. Amit Kumar Gupta,** L.M. College of Science and Technology (Autonomous), Jodhpur, Rajasthan
- **2014** Mr. Durgesh Singh, Department of Zoology, University of Allahabad, Allahabad
- 2013 Ms. Indira Bag, Centre for Chemical Biology, Indian Institute of Chemical Technology, Hyderabad
- **2013 Ms. Soibam Purnima Devi,** Department of Botany, North Eastern Hill University, Shillong
- 2013 Ms. Priyanka Verma, Division of Microbiology, Indian Agricultural Research Institute New Delhi
- **Mr. Vipin Singh,** Department of Biotechnology Engineering, University Institute of Engineering & Technology, Kurukshetra University, Kurukshetra
- 2013 Ms. Anushree Tripathi, Indian Institute of Information Technology, Allahabad
- **2013** Mr. Ramakant, Department of Medicinal Chemistry, Banaras Hindu University, Varanasi
- 2013 Ms. Kiran Singh, Department of Chemistry, Faculty of Science, Dayalbagh Educational Institute, Agra
- **Mr.** Rajesh Kumar Kesharwani, Division of Applied Science and Indo-Russian Centre for Biotechnology, Indian Institute of Information Technology, Allahabad
- **2012** Mr. V. Paramanik, Biochemistry & Molecular Biology Laboratory, Department of Zoology, BHU, Varanasi
- **2012 Ms. Mahua G. Choudhury,** Biochemical Adaptation Laboratory, Dept. of Zoology, NEHU, Shillong
- **2012 Ms. Priyanka Singh,** Dept. of Biochemistry, Banaras Hindu University, Varanasi
- **2012 Ms. Ayesha Mariya,** The Institute of Applied Sciences, Mumfordganj, Allahabad
- **2012 Ms. Nitya Singh**, Division of Applied Sciences & Indo-Russian Centre for Biotechnology, IIIT, Allahabad
- 2012 Mr. Manish Pratap Singh, Department of Physics, Banaras Hindu University, Varanasi

- **2012 Ms. Prachi Bansal,** Department of Chemistry, Dayalbagh Educational Institute, Agra
- **2011 Ms. S.R. Rejeena,** Dept. of Chemistry, University of Kerala, Thiruvananthapuram
- 2011 Ms. S.L. Smitha, Dept. of Optoelectronics, University of Kerala, Thiruvananthapuram
- **2011 Ms. P. Arulmurugan,** CAS in Botany, University of Madras, Chennai
- 2011 Ms. L. Divya, Dept. of Zoology, University of Kerala, Thiruvananthapuram
- **2010** Mr. Samrat Paul, Solar & Energy Material Laboratory, Department of Energy, Tezpur University, Tezpur
- **2010** Ms. Vibha Gulyani, Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi
- **2010** Mr. Pavanish Kumar, Immunology Group, ICGEB, New Delhi
- 2010 Ms. Parul Gaur, Department of Zoology, University of Allahabad, Allahabad
- 2009 Ms. Varinder Kaur, Department of Chemistry, Panjab University, Chandigarh
- **2009** Ms. Tulika Malviya, Department of Chemistry, University of Allahabad, Allahabad
- **2009 Mr. Prashant Chauhan,** Department of Zoology, University of Allahabad, Allahabad
- **2009** Mr. P.K. Prasad, Department of Zoology, North-Eastern Hill University, Shillong
- **2008** Mr. Sudip Misra, School of Information Technology, IIT, Kharagpur
- **2008** Mr. Vijai K. Rai, Department of Chemistry, University of Allahabad, Allahabad
- 2008 Mr. Achuta Nand Shukla, Botanical Survey of India, Allahabad
- 2008 Mr. Kulbhushan Sharma, ICGEB, New Delhi
- 2008 Mr. Pankaj Kumar, Department of Physics, Bhavani Mehta Mahavidyalaya, Kaushambi
- **2008** Mr. Pawan Kumar, Department of Mathematics, D.N. College, Meerut
- 2007 Dr. V. Rakhika Devi, School of Physics, University of Hyderabad, Hyderabad
- **2007 Dr. Shreemoyee Bordoloi,** Department of Chemistry, Dibrugarh University, Dibrugarh
- **2007 Dr. Shritapa Datta,** Biochemical Adaptation Laboratory, Department of Zoology, North-Eastern Hill University, Shillong
- **2007 Dr. Nimisha Kankan,** Department of Zoology, Deendayal Upadhyay Govt. Degree College, Saidabad, Allahabad
- 2006 Dr. Madhura Y. Narkar, National Institute for Research in Reproductive Health, Parel, Mumbai
- **2005 Dr. Bhaskar Chaudhury,** Institute for Plasma Research, Gandhinagar
- 2005 Dr. D. Sundar, Centre for Bioinformatics, School of Life Sciences, Pondicherry University, Pondicherry
- 2004 Dr. Shipra Singh, Nucleic Acids Research Laboratory, Department of Chemistry, University of Allahabad, Allahabad

2004 Dr. Pragya Khanna, Department of Zoology, Govt. Degree College,

- 2003 Ms. S. Basu, Physical Research Laboratory, Ahmedabad
- Ms. Achamma John Mathai, Sardar Patel University, Vallabh 2003 Vidyanagar
- 2003 Ms. D.B. Sadevra, Dept. of Biotechnology, Amravati University, Amravati
- 2002 Ms. L.M. Lyndem, Department of Zoology, NEHU, Shillong
- 2002 Sri Vinayak V. Joshi, Department of Mathematics, Govt. College of Engineering, Pune
- 2001 Ms. Shalini Garg, Department of Applied Physics, Delhi College of Engineering, Faculty of Technology, University of Delhi, Delhi
- 2001 Dr. (Mrs.) V. Kothekar, Department of Biophysics, All India Institute of Medical Sciences, New Delhi
- 2000 Dr. R.K. Sinha, Department of Zoology, Patna University, Patna
- 2000 Dr. P.K. Gogoi, Department of Chemistry, Dibrugarh University, Dibrugarh
- 1999 Dr. K.K. Sharma, Department of Zoology, Maharishi Dayanand Saraswati University, Ajmer
- Dr. Prem Prakash Srivastava, Central Institute of Fisheries 1998 Education, Versova, Mumbai
- 1998 Dr. P. Dashora, Department of Physics, University of Rajasthan, **Jaipur**

# NASI-Springer Awardees

- 2019 Ms. Anindita Paul, ICAR-Central Tobacco Research Institute, Rajahmundry, AP
- 2019 Ms. Priyanka Gautam, Department of Biochemistry, University of Allahabad, Prayagraj, UP
- 2019 Mr. Manoj Kumar Singh, Neurobiology Lab, Department of Zoology, University of Allahabad, Prayagraj, UP
- 2019 Mr. Abhishek Dutta, Department of Botany, University of Jammu, Jammu, J & K
- 2019 Mr. Irshad Ahmad, Department of Applied Science & Humanities, Faculty of Engineering & Technology, JamiaMilliaIslamia University, New Delhi
- 2018 Sri Arideep Mukherjee, Laboratory of Air Pollution and Global Climate Change, Department of Botany, Institute of Science, Banaras Hindu University, Varanasi
- 2018 Sri Sheikh Adil Edrisi, Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi

  Ms. Namrata Dwivedi, Faculty of Science and Environment,
- 2018 M.G.C.G.V., Chitrakoot, Satna
- 2018 Sri Ajeet Singh, Institute of Environment and Sustainable Development, BHU, Varanasi
- Sri Mohd. Gulman Siddiqui, Department of Electronics and 2018 Communication, University of Allahabad, Allahabad
- Sri A. Arulraj, University College of Engineering-Bharathidasan 2018 Institute of Technology (BIT) campus, Anna University, Tiruchirappalli
- 2018 Sri Harit K. Sharma, Department of Physics, APS University, Rewa

- 2018 Sri Swapnil Mishra, Department of Civil Engineering, Indian Institute of Technology Delhi (IITD), New Delhi
- **2017 Ms. Shivi Tyagi,** Department of Botany, Panjab University, Chandigarh.
- **2017 Mr. Bishwarup Sarkar,** Department of Microbiology, Modern College of Arts, Science and Commerce, Pune.
- 2017 Ms. Rohi Jan, Department of Chemistry, SP Pune University, Pune.
   2017 Mr. Tejas Chimbalkar, Department of Physics, Shikshn Prasarak
- **Mr. Tejas Chimbalkar,** Department of Physics, Shikshn Prasarak Mandal's Parshurambhau College, Pune.
- **2017** Mr. Samadhan Waghmode, Department of Microbiology, Elphinstone College, Fort, Mumbai.
- **2017 Ms. Neha Gupta**, School of Studies in Biotechnology, Jiwaji University, Gwalior.
- **2017 Ms. Poornima Dhawaskar,** Department of Earth Sciences, Goa University, Goa.
- **2017 Ms. Saumya Khare,** Department of Biochemistry, Institute of Science, BHU, Varanasi.
- **2016** Mr. Imran Khan, Division of Microbiology, Indian Agricultural Research Institute, New Delhi
- **2016 Ms. Mansi Bakshi**, Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi
- **2016** Mr. Z.A.S. Philayung, Department of Zoology, North-Eastern Hill University, Shillong
- **Mr. N. Rawat,** Department of Zoology & Biotechnology, HNB Garhwal University, Srinagar (Garhwal)
- 2016 Ms. Meenakshi Rana, Department of Physics and Materials Science & Engineering, Jaypee Institute of Information Technology, Noida
- **2016** Ms. Anita Pal, Chemistry Division, Forest Research Institute, Dehradun
- 2016 Mr. Ashish Kumar Nayak, Environment and Sustainability Department, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar
- **2016 Mr. Gyanashree Bora,** Department of Chemistry, Dibrugarh University, Dibrugarh
- 2015 Ms. Anumita Sarkar, Microbiology Laboratory, UGC Centre for Advanced Study, Department of Botany, Burdwan University, Burdwan-713104
- **2015** Mr. Arindam Atanu Das, Center for Bioinformatics, Pondicherry University, Puducherry 605014
- 2015 Mr. Puneet Kumar Singh, Bioenergy & Bioprocess Lab, BDTC (Biogas Development and Training Center), School of Biotechnology, KIIT University, Bhubaneswar-751024
- 2015 Ms. Shefali Singh, Plant Genetics Laboratory, Botany Department, University of Allahabad, Allahabad - 211002
- 2015 Ms. Puja Rai, Environmental Chemistry Research Laboratory, Department of Chemistry, University of Allahabad, Allahabad – 211002
- **2015** Mr. Suchintak Dash, School of Biotechnology, KIIT University-Bhubaneshwar 751024
- **Ms. Puja Kumari,** PG Department of Biotechnology, Vinoba Bhave University, Hazaribag, Jharkhand 825301

# THE NATIONAL ACADEMY OF SCIENCES, INDIA MILLENNIUM AWARDEES

# **Senior Scientist Category**

### Prof. U.S. Srivastava

Past President of the National Academy of Sciences, India; Formerly Professor & Head Department of Zoology & Dean, Faculty of Science Allahabad University Allahabad

# **Young Scientist Category**

# Dr. S. Ramaswamy

Associate Professor Department of Physics Indian Institute of Science Bangalore

In Biological Sciences

In Physical Sciences

# Prof. Satish Jain

Department of Neurology Neuro Science Centre All India Institute of Medical Sciences New Delhi

# THE NATIONAL ACADEMY OF SCIENCES, INDIA SCIENCE TEACHER AWARDEES

1996 Dr. Girish Chandra Badoni, Govt. Inter College, Uttarkashi 1997 Sri Amar Jyot Singh Bedi, City Montessori School, Lucknow 1998 Smt. Shefali Saxena, Kendriya Vidyalaya, Dehradun Sri Anand Singh Bisht, Government Inter College, Nainital 1999 2001 Sri Deepak Sharma, N.A.S.Inter College, Meerut Dr. N.D. Singh, C.P. Vidya Niketan, Kaimganj, Farrukhabad 2002 2002 Smt. Chitra Joshi, Kendriya Vidyalaya, Dehradun Sri L.B. Singh, Govt. Queens' College, Varanasi 2003 2004 Dr. Narain Sharan, Govt. Inter College, Meerut 2005 Mrs. Meenambika Menon, Cambridge School, Noida 2006 Sri Anil Kumar Gupta, Shri Nathooram Purohit Balika Inter College, Konch, Jalaun 2007 Dr. Mohammad Masood, Jamuna Christian Inter College, Allahabad Sri Brajesh Dixit, Sri Narayan Inter College, Badera, Auriya, UP 2007 2008 Dr. Upkar Dutt Sharma, Meerut 2009 Mrs. Tahseen Fazal, City Montessori-Inter College, Lucknow 2009 Shri Sanjay Srivastava, Tagore Public School & College, Allahabad 2010 Sri Satish Chand, Govt. Inter College, Hardoi 2010 Sri L.K. Sharma, S.D.B.B. Rama Inter College, Pilibhit 2011 Dr. Shripal Rathi, M.G.Public School, Muzaffarnagar 2011 Dr. Naresh Kumar Giri, Kendriya Vidyalaya, Ghaziabad 2012 Shri Brij Kishor Singh, Assistant Teacher, Govt. Inter College, Deoria 2012 Dr. R.K. Awasthi, St. George's College, Agra 2013 Dr. Ravi Prakash Sharma- Vishnu Inter College, Bareilly 2013 Shri Surendra Kumar Gaur- City Montessori Inter College, Lucknow 2014 Dr. (Mrs.) Anupma Srivastava, Seth Anand Ram Jaipuriya School, 2014 Dr. P.K. Ghosh, Anglo Bengali Intermediate College, Allahabad 2015 Dr. Subhash Chandra Tripathi, City Montessori Inter College, Lucknow 2016 Dr. Rathindra Krishna Mitra, Montfort Inter College, Lucknow 2016 Mrs. Rashmi Srivastava, Seth Anandram Jaipuria School, Kanpur 2017 Mr. Sushil Kumar, KVS, Aliganj, Lucknow Mr. Sanjeev Kumar Agarwal, MPVM, Teliarganj, Allahabad 2017 2018 Dr. Nikhil Jain, M.D. Jain Inter College, Agra 2019 Mr. Sushil Kumar Pandey, Guru Nanak Inter College, Mirzapur Mr. Pramod Kumar Parashar, MI Inter College, Hathras 2020 2021 Mrs. Priyanka Singh Chauhan, Maharshi Patanjali Vidya Mandir, 2021 Ms. Poonam Bhatt, Amity International School, Ghaziabad

## Allahabad Region NASI Science Teacher Awardee

Dr. Hemlata Shukla, Canossa Convent Girls Inter College, Ayodhya (UP)

(The Award has been instituted in the memory of Late Rama Shankar Misra)

- 2011 Dr. Sharad Kumar Pandey, Tagore Public School, Allahabad
- 2012 Mrs. Archana Tiwari, Tagore Public School, Allahabad

2022

- 2013 Mrs. Shikha Chakravarty- Crosthwaite Girls Inter College, Allahabad
- 2014 Mr. Waseem Ahmad, Mahgaon Inter College, Kaushambi

2015 2016 2018 2021 2022	Dr. Lalji Yadav, Colonelganj Intermediate College, Allahabad Mr. Suresh Narain Pandey, MPVM,Ganga Gurukulam, Allahabad Smt. Sangeeta Gupta, St. Anthony's Convent G.I. College, Allahabad Mr. Ashish Kumar Srivastava, Anglo Bengali Inter College, Prayagraj Mr. Navin Gune, Maharshi Patanjali Vidya Mandir, Prayagraj				
Jharkhand Region NASI Science Teacher Awardee					
2017 2017 2018 2018 2018 2019 2019 2020 2020 2020 2021 2021	Ms. Sahana, Vidya Bharati, Chinmya Vidyalaya, Telco, Jamshedpur Ms. Jaishree, JUSCO High School, Kadma, Jamshedpur Mr. Bibhuti Nath Jha, Jawahar Vidya Mandir, Ranchi Mrs. Sangeeta Chatrath, Little Flower School, Jamshedpur Mr. Manoj Kumar Singh, Middle School, Potka Mr. Amod Kumar Mishra, State High School, Chaibasa Ms. Shipra, Tata Workers Union High school Kadma, Jamshedpur Mr. Vikash Kumar Das, NML-Kerala Public School, Agrico Mr. Sumit Kumar Gorai, TGT, Delhi Public School, Bokaro Steel City Mr. Asheesh Mishra, PGT, Atomic Energy Central School, Jaduguda Mr. Ramanuj Kumar, PGT, Kendriya Vidalaya, Tatanagar Ms. Manisha Dhawan, TGT, Public High School, Ramgarh Ms. Anju Kumari, PGT, BPM+2 High School, Jamshedpur				
Kharagpur Region NASI Science Teacher Awardee					
2010 2010 2014 2014 2015 2015	Shri Bindyachal Ram, Kendriya Vidyalaya, IIT, Kharagpur Shri Joyti Prakash, Kendriya Vidyalaya, IIT, Kharagpur Mrs. Shelly Das, DAV Model School, IIT Kharagpur Dr. Debrata Mukherjee, Kendriya Vidyalaya, RNNM, Salboni Mrs. Bijaya Pradhan, Kendriya Vidyalaya, Air Force Station, Salua Mrs. Anita Bhattacharjee, DAV Model School, IIT Kharagpur				
Kolkata Region NASI Science Teacher Awardee					
2010 2010 2010 2011 2011 2011 2012 2012	Mrs. Rajeswari Swaminathan, Sri Shikshayatan GHS School, Kolkata Mrs. Munmun De, The Heritage School, Kolkata Ms. Mitali Debnath, Apeejay School, Salt Lake, Kolkata Mrs. Sarmistha Das, Modern High School for Girls, Kolkata Dr. Munmun Nath, Lakshmipat Singhaia Academy, Kolkata Mrs. Soma Nandi, Hariyana Vidya Mandir, Kolkata Dr. Sabyasachi Majumdar, Kendriya Vidyalaya No.II Kanchrapara Mrs. Rita Datta, National High School for Girls, Kolkata Mrs. Debjani Chakraborty, The Future Foundation School, Kolkata Mrs. Ratna Biswas, Sushila Birla Girls School, Kolkata Mrs. Bishakha Banerjee, The Heritage School, Kolkata Mr. Prajjwal Mitra, St. Thomas High School, Howrah Mrs. Mousumi Patra, Modern High School For Girls, Kolkata Mrs. Paulin Seal, Calcutta Girls Academy, Kolkata Mrs. Lionen Gunnion, La Martiniere Boys School, Kolkata Mrs. Gouri Basu, Loreto House, Kolkata Mrs. Lily Mitra, Kendriya Vidyalaya, Ballygunge, Kolkata				

- 2015 Dr. Mani Das, DPS, Megacity, Rajarhat, Kolkata
- 2015 Mr. Sandip Kumar Sen, Beleghata Santi Sangha, Boys HS School, Kolkata
- 2018 Dr. Damayanti Roy, Oriental Seminary High School for Girls, Kolkata
- 2018 Dr. Soma Banerjee, Sri Sikshayatan, Kolkata
- 2019 Ms. Rinku Das, Nut Behari Das Girls High School, Garden Reach, Kolkata
- 2019 Mr. Madan Mohan Haldar, Hindu School, Kolkata
- 2019 Mr. Sandip Roy, Hindu School, Kolkata

# North-Eastern Region NASI Science Teacher Awardee

- 2008 Dr. Gaurangi Maitra, Assam Rifles Public School, Laitkor, Shillong
- 2009 Shri Rahul Chatterjee, Jail Road Boys' H.S. School, Shillong
- 2010 Shri Subrata Ghosh, Nongtalang Govt. Secondary School, Nongtlang (Meghalaya)
- 2011 Mr. Hubert Thyrniang of Govt Girls' School, Jowai
- 2011 Mr. Pradip Chandra Neogi of Govt Girls' School, Shillong
- 2012 Mr. Deeplyson Lyngwa of KJP Synod Mihngi Higher Secondary School, Meghalaya
- 2013 Ms. Melissa Nonglait, Assistant Teacher, Shillong Public School, Kenelworth Road, Laitumkhrah, Shillong
- 2014 Smt. Dawansuk Lathong, Rymbai Government Secondary School, Rymbai, East Jaintia Hills District, Meghalaya.

# Uttarakhand Region NASI Science Teacher Awardee

- 2009 Dr. Bhuwan Chandra Pandey, District Institute of Educational Training, Almora
- 2010 Shri Umesh Chandra Pandey, KIC Kapkot
- 2011 Shri A.K. Dubey, Govt. Higher Secondary School, Aagar, Tehri Garhwal
- 2012 Shri AatmaPrakash, Assistant Teacher, GIC, Gopeshwar
- 2013 Shri Kalyan Singh Rawat "Maiti", Lecturer- Zoology, Govt. Inter College, Maldevta, Dehradun
- 2015 Mr. Samir Dhingra, HOD-Science, Welham Boys School, Dehradun
- 2016 Shri Deep Chandra Joshi, V.M.J.S. Government Inter College, Bageshwar
- 2017 Mr. Manish Jaguri, Lecture of Biology, Saraswati Vidhya Mandir Inter College, Chiniyalisaur, Uttarkashi
- 2018 Dr. Mamta, LT(Science), Inter College Uttrauda, Kapkote

# U.P. EDUCATION MINISTER'S GOLD MEDAL RECIPIENTS Sponsored by The National Academy of Sciences, India (Discontinued since 1987)

Recipient	Subject	Year
DATTA, Sikhi Bhusan	Chemistry	1936
Allahabad University, Allahabad SIDDIQUI, M.R. Osmania University, Hyderabad	Mathematics	1937
SAHNI, B. Lucknow University, Lucknow	Botany	1938
DDIQUI, Mohd. Abdul Hamid G. Medical College, Lucknow	Anatomy	1939
DHAR, N.R. Director, Public Instructions	Chemistry	1940
U.P., Allahabad <b>SENGUPTA, P.K.</b> Indian Meterological Office	Meteorology	1941
Alipur, Calcutta SRIVASTAVA, M.D.L. Allahabad University, Allahabad	Zoology	1942
SRIVASTAVA, B.N. Allahabad University, Allahabad	Physics	1949
BHATTACHARYA, A.K. Saugar University, Sagar	Chemistry	1950
MEHRA, P.N. Panjab University, Chandigarh	Botany	1951
PANDE, B.P. U.P.College of Veterinary Science	Zoology	1952
& Animal Husbandry, Mathura  SHARMA, Devendra  Allahabad University, Allahabad	Physics	1954
MITRA, S.P. Allahabad University, Allahabad	Chemistry	1955

DHAWAN, C.L. Irrigation & Power Research Institute	Physical	1956
Amritsar	Chamiatur.	4050
<b>DEY, Arun Kumar</b> Allahabad University, Allahabad	Chemistry	1958
KUSHWAHA, R.S.	Mathematics	1959
Delhi University, Delhi	& Astronomy	4000
SINGH, Amar Allahabad University, Allahabad	Botany	1960
BILGRAMI, K.S.	Botany	1963
Jodhpur University, Jodhpur	•	
TIWARI, Ram Das	Chemistry	1964
Allahabad University, Allahabad SAXENA, D.B.	Zoology	1964
J. & K. University, Srinagar	Zoology	1904
BANERJI, D.P.	Mathematics	1964
S.V. University, Tirupati		
JAIN, S.K.	Botany, Agril.	1966
Botanical Survey of India, Calcutta <b>DE, Samarendra Kumar</b>	& Geology Chemistry	1966
Allahabad University, Allahabad	Chemistry	1300
LAL, R.N.	Mathematics	1969
Bhagalpur University, Bhagalpur		1000
KAPUR, J.N.	Mathematics	1980
IIT, Kanpur SRIVASTAVA, C.B.L.	Zoology	1985
Allahabad University, Allahabad	- 37	
MOHANTY, Prasanna	Biophysics	1986
J.N.U., New Delhi		

# ACADEMY'S LOCAL CHAPTERS

#### 1. Ahmedabad Chapter

#### Chairman

Prof. Anil Bhardwaj, JC Bose National Fellow, Director, Physical Research Laboratory, Navrangpura, Ahmedabad – 380009

#### Secretary

Prof. Subeer Suhash Majumdar, Director General, Gujarat Biotechnology University, Near Gujarat International Finance Tec (GIFT) - City, Shahpur Village, Gandhinagar – 382355, Gujarat

#### **Advisors**

- 1. Dr. Narendra Bhandari, INSA Honorary Scientist, 2, Nilima Flats, Nilima Park Society, Navrangpur, Ahmedabad 380009
- 2. Prof. V.K. Jain, Professor & Head, Department of Chemistry, School of Sciences, Gujarat University, Ahmedabad-380009

## 2. Bangalore Chapter

#### Chairman

Prof. Ashok Misra, NASI-Platinum Jubilee Chair Distinguished Professor; 68, Adarsh Vista, Basavanagar, Bangalore - 560037

#### Secretary

Prof. Kaustuv Sanyal, Molecular Mycology Laboratory, Molecular Biology & Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur Post, Bangalore-560064

#### **Advisors**

- 1. Prof. Rohini Madhusudan Godbole, Professor, Centre for High Energy Physics, Indian Institue of Science, Bangalore -560012
- 2. Prof. K.S. Narayan, Professor & Dean (R&D), JNCASR, Jakkur, Bangalore
- 3. Prof. Ganesh Nagaraju, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore 560012
- 4. Prof. Annapurni Subramaniam, Director, Indian Institute of Astrophysics (IIA), Sarjapur Road, Koramangala, Bangalore 560034
- 5. Prof. Jayant Ramaswamy Haritsa, Senior Professor, CDS, Indian Institute of Science, Sir CV Raman Avenue, Bangalore 560012
- 6. Prof. Mythily Ramaswamy, Honorary Professor, ICTS-TIFR, Survey No. 151, Shivakote, Hesaraghatta Hobli, Bangalore 560089

#### Special Invitee

7. Prof. P.N. Rangarajan, JC Bose National Fellow, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore - 560012

Local Chapters 507

#### 3. Bhopal Chapter

#### Chairman

Prof. Bhavdish Narain Johri, Former NASI Senior Scientist, LV-32, Indus Garden, Phase-1, E-8, Gulmohar Extension, Bhopal - 462039

#### Secretary

Dr. Shivesh Pratap Singh, Professor & Head of Zoology, Govt. Autonomus College, Satna (MP)

#### **Advisors**

- Prof. Sampat Kumar Tandon, Adjunct Professor, Indian Institute of Science Education & Research Bhopal, Bhopal Bypass Road, Bhauri, Bhopal – 462066
- 2. Prof. Subodh Kumar Jain, Professor & Head of Biotechnology, Dr. HS Gour Vishwavidyalaya, Sagar; Res. 271/9, Manorama Colony, Madhukarshah Ward, Sagar 470001
- 3. Prof. Mahesh Chandra Agrawal, Formerly ICAR National Fellow; 3/4 Datt Arcade Phase Three, South Civil Lines, Jabalpur 482001

#### Coordinators

- 1. Prof. Indra Prasad Tripathi, Dept. of Physical Sciences, Mahatma Gandhi Chitrakoot Gramoday Viswavidyalay, Chitrakoot, Satna (MP) 485780
- 2. Dr. Rajesh Saxena, Senior Principal Scientist, MPCOST, Bhopal
- 3. Dr. Rashmi Singh, Botany Department, Govt. Autonomous College, Satna

#### 4. Bhubaneswar Chapter

#### Chairman

Dr. Omkar Nath Mohanty, Former Vice-Chancellor, BPUT, Orissa, CET Campus, Ghatikia, Near Khandagiri, Bhubaneswar – 751003

# Secretary

Dr. Gopal Chandra Kundu, JC Bose National Fellow; Director R&D, KIIT Deemed to be University, Bubaneswar – 751024

#### AUVISOIS

- 1. Dr. Bhabani Sankar Das, Former Adviser, DBT, Govt. of India; Res. 117, Ratnakar Bag-1, Bhubaneswar 751018
- 2. Dr. Damodar Acharya, Chairman, Advisory Board, SOA Deemed to be University, Khandagiri Square, Bhubaneswar 751030
- 3. Prof. Tapan Kumar Adhya, Professor, School of Biotechnology, KIIT University, Bhubaneswar 751024

# 5. Chandigarh Chapter

#### Chairman

Prof. Ravinder Kumar Kohli, JC Bose National Fellow, Vice-Chancellor, Amity University Punjab, Mohali - 140306

#### Secretary

Prof. K.K. Bhasin, NASI Senior Scientist and Professor Emeritus, Department of Chemistry & CAS in Chemistry, Panjab University, Chandigarh - 160014 **Advisors** 

- 1. Prof. K.N. Pathak, Professor Emeritus (for life), Former NASI Senior Scientist, Department of Physics, Panjab University, Chandigarh 160014
- 2. Dr. H.N. Ghosh, Scientific H+, Institute of Nano Science & Technology, Habitat Centre, Sector 64, Phase X, Mohali 160062
- 3. Prof. Gurmeet K Bakshi, CAS in Mathematics, Panjab University, Chandigarh 160014
- 4. Prof. Arun Kumar Grover, Emeritus Professor (Honorary) and DAE Raja Ramanna Fellow, Punjab Engineering College, Chandigarh-160012
- 5. Prof. Anand Kumar Bachhawat, Indian Institute of Science Education and Research, Mohali, Knowledge City, SAS Nagar, P.O. Manauli, Punjab

#### 6. Chennai Chapter

#### Chairman

Prof. H.S. Mani, Adjunct Professor, Chennai Mathematical Institute, Plot H1, SIPCOT IT Park, Padur PO, Siruseri - 603103, Chennai

#### Secretary/Coordinator

To be decided

#### **Advisors**

- 1. Dr. Ramachandran Balasubramanian, Professor Emeritus, The Institute of Mathematical Sciences, Taramani, Chennai 600113
- 2. Dr. T. Subramoniam, Senior Scientist, Centre for Climate Change Studies, Sathyabama University, Jeppiaar Nagar, Rajiv Gandhi, Salai, Chennai 600019

#### 7. Delhi Chapter

#### Chairman

Prof. Anurag Sharma, Emeritus Professor, Optics and Photonics Center and Department of Physics, Indian Institute of Technology Delhi, New Delhi – 110016

#### Secretary

Prof. Anup Kumar Ghosh, Centre for Polymer Science & Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016

#### Advisors

- 1. Prof. Ajay K. Ghatak, Past President, NASI & Formerly MN Saha Distinguished Professor, NASI, Prayagraj; Formerly Professor at IIT Delhi; D-42. Hauz Khas. New Delhi-110016
- 2. Prof. Paramjit Khurana, JC Bose National Fellow, Professor & Former Head, Department of Plant Molecular Biology, University of Delhi South Campus, Benito Juarez Road, Dhaula Kuan, New Delhi 110021
- 3. Dr. Amit Prakash Sharma, Former Director, ICMR-National Institute of Malaria Research, Sector 8, Dwarka, New Delhi 110077
- Prof. Anirban Pathak, Department of Physics and Materials Science & Engineering, Jaypee Institute of Information Technology, Noida 201309, UP
   Dr. Manoj Saxena, Professor, Department of Electronics, Deen Dayal Upadhyaya College, University of Delhi, Sector 3, Dwarka, New Delhi 110078
- 6. Dr. Pratibha Jolly, Academic Consultant, NAAC; Former Principal, Miranda House, University of Delhi; E-284, Greater Kailash-1, New Delhi 110048

# 8. Hyderabad Chapter

#### Chairman

Dr. Ch Mohan Rao, CSIR - Distinguished Scientist; Sir JC Bose National Fellow & Former Director, Centre for Cellular & Molecular Biology (CCMB), Uppal Road, Hyderabad - 500007

# Secretary

To be decided

- 1. Prof. Amitabha Chattopadhyay, CSIR Bhatnagar Fellow, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad 500007
- 2. Prof. A.S. Raghavendra, Professor, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Hyderabad 500046

Local Chapters 509

#### 9. Jaipur Chapter

#### Chairman

Prof. Hriday Narain Verma, Vice-Chancellor, Jaipur National University, Jagatpura, Jaipur – 302017

#### Secretary

Prof. N.K. Lohiya, NASI Senior Scientist, Emeritus Medical Scientist & President, ISSRF, Centre for Advanced Studies, Dept. of Zoology, University of Rajasthan, Jaipur- 302004

#### **Advisors**

- 1. Prof. Vinay Sharma, Dean-Research, Director, Amity Institute of Biotechnology, Amity University Rajasthan, Jaipur 303002
- 2. Prof. Vishwa Mohan Katoch, Former NASI-ICMR Chair on Public Health Research, Rajasthan University of Health Sciences, Jaipur

#### 10. Jammu Chapter (including Jammu & Kashmir)

#### Chairman

To be decided

#### Secretary

Prof. Ravinder Nath Gohil, Former Professor of Botany, University of Jammu, Jammu

#### **Advisors**

- 1. Dr. Amjad Ali, Govt. Degree College, Kargil
- 2. Dr. Sunil Kumar Hota, Scientist D, Defence Institute of High Altitude Research, C/o 56 APO, Leh Ladakh, J&K 901205
- 3. Dr. Pragya Khanna, Associate Professor in Zoology, Govt. College for Women, Parade Ground, JAMMU 180001

# 11. Jharkhand Chapter

#### Chairman

Dr. Indranil Manna, JC Bose Fellow and Vice Chancellor, Birla Institute of Technology (BIT) Mesra, Ranchi - 835215

#### Secretary

Dr. Ranjan Kumar Sahu, Chief Scientist, Advanced Materials & Processes Division, CSIR-National Metallurgical Laboratory, Jamshedpur - 831007.

- 1. Prof. Manoj Kumar Mishra, Former Vice-Chancellor, Birla Institute of Technology, Mesra, Ranchi 835215
- 2. Dr. N.G. Goswami, Former Chief Scientist, CSIR-National Metallurgical Laboratory, Jamshedpur 831007.

#### 12. Kerala Chapter

#### Chairman

Prof. Edathil Vijayan, Former ICMR Emeritus Medical Scientist & UGC Visiting Professor, Villa # 1, Imperial Gardens, Tripunithura, PO Eroor, Kochi - 682306

#### Secretary

Dr. Deepu Mathew, Assistant Professor, CPBMB, IT-BT Complex, KAU Post, Kerala Agricultural University, THRISSUR - 680656

#### Advisors

- 1. Dr. M. Radhakrishna Pillai, Former Director, Rajiv Gandhi Centre for Biotechnology, Thycaud P.O., Thiruvananthapuram 695014
- 2. Dr. R.P. Prakashkumar, Director, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, KSCSTE-JNTBGRI, Palode, Thiruvananthapuram 695562
- 3. Prof. B. Mohan Kumar, Vice-Chancellor, Arunachal University of Studies, Knowledge City, Namsai 792103, AP

#### Coordinator

1. Dr. E.V. Soniya, Scientist G, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram – 695014

#### 13. Kharagpur Chapter

#### Chairman

Prof. Subhasish Tripathy, Professor, Department of Geology & Geophysics, Indian Institute of Technology Kharagpur, Kharagpur – 721302

#### Secretary

Prof. Rintu Banerjee, Professor & Head, Agricultural & Food Engineering Department, Indian Institute of Technology Kharagpur – 721302

#### **Advisors**

- 1. Prof. Mahitosh Mandal, Arvind & Renu Jain Chair Professor & JC Bose National Fellow, School of Medical Science & Technology, Indian Institute of Technology Kharagpur, Kharagpur 721302
- 2. Prof. Anil Kumar Gupta, JC Bose National Fellow & Professor, Department of Geology & Geophysics, Indian Institute of Technology, Kharagpur- 721302

#### 14. Kolkata Chapter

#### Chairman

Prof. H.K. Majumder, NASI Senior Scientist, Indian Institute of Chemical Biology, 4, Raja S.C. Mallick Road, Jadavpur, Kolkata - 700032

#### Secretary

Dr. Chitra Mandal, JC Bose National Fellow & SERB Distinguished Fellow, CSIR-Indian Institute of Chemical Biology, 4, Raja SC Mullick Road, Kolkata-700032

- 1. Prof. Sankar K. Pal, National Science Chair, SERB-DST, Emeritus Professor, Distinguished Scientist & Former Director, Indian Statistical Institute, 203, BT Road, Kolkata -700108
- 2. Dr. Susanta Roychoudhury, Head, Department of Basic & Translational Research, Saroj Gupta Cancer Centre and Research Institute, MG Road, Thakurpukur, Kolkata 700063
- 3. Prof. Sanjit Dey, Professor of Physiology, University of Calcutta, 92, APC Road, Kolkata 700009

Local Chapters 511

#### 15. Lucknow Chapter

#### Chairman

Prof. Pramod Tandon, Formerly Chief Executive Officer, Biotech Park, Lucknow; VC, NEHU; D-802, Shalimar Gallant, Vigyanpuri, Mahanagar, Lucknow - 226006

#### Secretary

Dr. Suchitra Banerjee, NASI Senior Scientist, Plant Biotechnology Division, CSIR-Central Institute of Medicinal & Aromatic Plants, PO - CIMAP, Lucknow – 226015

#### **Advisors**

- 1. Prof. Veena Tandon, NASI Honorary Scientist, Biotech Park, Sector G, Kursi Road, Jankipuram, Lucknow 226021
- 2. Prof. Alok Dhawan, Director, Centre of Biomedical Research, SGPGIMS Campus, Raibareli Road, Lucknow 226014
- 3. Dr. S.K. Barik, Former Director, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow 226001;
- 4. Prof. Rudra Deo Tripathi, NASI Senior Scientist, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow 226001

#### 16. Mumbai Chapter

#### Chairman

Prof. Anil Kumar Singh, Former Director (Independent), RCFL, Mumbai; A-1603, Lake Primrose, Lake Homes, Powai, Mumbai - 400076 (Ex-IIT Bombay)

# Secretary

Prof. Puthusserickal Abdulrahiman Hassan, Scientific Officer H, Head, NBS; Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai - 400085

- 1. Prof. Jayesh Ramesh Bellare, Institute Chair Professor, Department of Chemical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 400076
- 2. Prof. Mannepalli Lakshmikantam, Dr BP Godrej Dist. Professor, JC Bose National Fellow, Chemical Engineering Dept., Institute of Chemical Technology, Matunga, Mumbai 400019
- 3. Prof. Sambasivarao Kotha, Pramod Chaudhari Chair Professor, JC Bose National Fellow, Department of Chemistry, IIT Bombay, Powai, Mumbai 400076
- 4. Prof. Shyamalava Mazumdar, Senior Professor, Department of Chemical Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Mumbai 400005
- 5. Prof. Kaushala Prasad Mishra, President, AARR, Former Vice Chancellor, NGBU; 504,Neelyog Residency CHS Ltd, K-1, Pant Nagar, Ghatkopar(E), Mumbai 400075 (Ex-BARC Mumbai)
- 6. Prof. Jatinder Vir Yakhmi, Senior Professor at HBNI, Former Chairman, AEES, B-2603, Sienna Tower, Lodha Fiorenza, Next to Hub Mall, Western Express, Goregaon (East), Mumbai 400 063 (Ex-BARC Mumbai)
- 7. Prof. Rajesh Kumar Vatsa, Head, Cluster Chemistry Section, Chemistry Division, Bhabha Atomic Research Centre, Mumbai 400085

#### 17. Nagpur Chapter

#### Chairman

Prof. Namdeo Shriramji Gajbhiye, Former Professor, Department of Chemistry, IIT Kanpur; Res. Flat No. G-1, Plot No. 176, Rameshwaram Apartments, Pande Layout, Khamala, Nagpur – 440025

#### Secretary

Dr. Smita Atul Acharya, Associate Professor, PG Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University, Amaravati Road, Nagpur - 440033

#### Advisors

- 1. Prof. Ramesh Madhao Singru, Formerly Professor of Physics, IIT, Kanpur; Res. 5, Kinkhede Layout, Nr. Gardiner School, Civil Lines, Nagpur 440001
- 2. Prof. Nishikant Kashinath Subhedar, Department of Pharmaceutical Sciences, RTM Nagpur University, Nagpur 440033; Res. Q-21, Laxmi Nagar, Nagpur 440022
- 3. Dr. Asha Ashok Juwarkar, Scientist G & Head, Ecosystem Division & National Coordinator of Stockholm Convention Regional Centre on Pops for Asia Region; National Environmental Engineering Research Institute, Nehru Marg, Nagpur 440020

#### 18. North-Eastern Region Chapter

#### Chairman

Prof. Anupam Chatterjee, Head, Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong - 793022

#### Secretary

Prof. S.R. Joshi, Professor, Department of Biotechnology & Bioinformatics, North-Eastern Hill University, Shillong - 793022

#### Advisors

- 1. Dr. Dinabandhu Sahoo, Director, Institute of Bioresources & Sustainable Development, Takyelpt, Imphal, Manipur 795001
- 2. Prof. Latha Rangan, Senior Professor, Department of Biosciences & Bioengineering, Indian Institute of Technology Guwahati, Guwahati 781039
- 3. Prof. R.N.K. Hooroo, Department of Zoology, NEHU, Shillong
- 4. Prof. B. Roy, Department of Zoology, NEHU, Shillong
- 5. Prof. Sudip Dey, Scientific Officer, SAIF, NEHU, Shillong
- 6. Dr. G. Maitra, Tezpur University, Tezpur, Assam
- 7. Mr. R. Chatterjee, Jail Road Boys HS School, Shillong.

#### 19. Patna Chapter

#### Chairman

To be decided

#### Secretary

To be decided

- 1. Prof. Ram Chandra Jha, Former Professor of Chemistry, Patna University, MIGH-120 Lohiya Nagar, Kankar Bagh Colony, Patna 800020
- 2. Dr. Yogendra Pathak Viyogi, INSA Emeritus Scientist, DAE Raja Ramanna Fellow and Outstanding Scientist, Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata 700064
- 3. Dr. Arun Kumar Singh, Reader in Zoology (B.D. College, M.U., Patna), Opposite Anand Apartment, Mandal Compound, East Boring Canal Road, Patna 800001
- 4. Dr. Diwakar Singh Dinesh, Former Scientist F (Senior Grade Deputy Director), ICMR-RMRIMS, Patna-800007; Res. Vill & PO: Daulatpur, Dist-Jamui, Bihar, 811313.

Local Chapters 513

#### 20. Pune Chapter

#### Chairman

Prof. Gyan Chandra Mishra, NASI Senior Scientist, National Centre for Cell Science, Ganeshkhind, NCCS Complex, Pune-411007

#### Secretary

Prof. Somak Raychaudhury, Director, Inter-University Centre for Astronomy & Astrophysics, Ganeshkhind, Pune – 411007

#### **Advisors**

- 1. Dr. Mohan R. Wani, Director, National Centre for Cell Science, Pune University Campus, Ganeshkhind, Pune 411007
- 2. Dr. Sulabha Kashinath Kulkarni, INSA Senior Scientist, Centre for Materials for Electronics Technology (CMET), Panchwati, Pune 411008
- 3. Dr. Debashis Mitra, Professor of Eminence & JC Bose National Fellow, National Centre for Cell Science, Pune University Campus, Pune 411007
- 4. Dr. Ashwini Kumar Nangia, Professor & Dean, School of Chemistry, University of Hyderabad, Central University PO, Prof. CR Rao Road, Gachibowli, Hyderabad 500046
- 5. Dr. G.C. Kundu, Director R&D, KIIT Deemed to be University, Institute of Emenence, Bubaneswar 751024
- 6. Dr. A.C. Mishra, Director, Interactive Research School of Health Affairs (IRSHA), Bharati Vidyapeeth University, Katraj, Pune 411043

#### 21. Uttarakhand Chapter

#### Chairman

- Dr. Rajendra Dobhal, Vice Chancellor, Swami Rama Himalayan University, Swami Ram Nagar, PO Jolly Grant, Dehradun 248016, Uttarakhand **Secretary**
- Dr. Ranjana Pathania, Professor, Department of Biosciences & Bioengineering, Indian Institue of Technology Roorkee, Roorkee 247667 Advisors
- Dr. Talat Ahmad, JC Bose National Fellow, Chairman, Governing Body, Wadia Institute of Himalayan Geology, Dehradun – 248001
- 2. Dr. Prakash Chauhan, Director, Indian Institute of Remote Sensing, 4 Kalidas Marg, Dehradun 248001
- 3. Dr. Kalachand Sain, Director, Wadia Institute of Himalayan Geology, 33, General Mahadeo Singh Road, Dehradun 248001
- 4. Dr. Chandra Shekhar Nautiyal, Scientific Advisor, Swami Rama Himalayan University, Dehradun
- 5. Dr. Devi Prasad Uniyal, Joint Director, Uttarakhand State Council for Science & Technology, H.No. 672/II, Indira Nagar Colony, PO New Forest,, Dehradun 248006, UK
- 6. Dr. Anita Pandey, Scientist G & Head, Center for Environmental Assessment & Climate Change, GB Pant National Institute of Himalayan Environment & Sustainable Development, Kosi-Katarmal, Almora 263643

#### 22. Varanasi Chapter

#### Chairman

Prof. Madhoolika Agrawal, JC Bose National Fellow, Dean, Faculty of Science, BHU; and Professor, Department of Botany; Banaras Hindu University, Varanasi - 221005

#### Secretary

Prof. Daya Shankar Pandey, Professor, Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi – 221005

#### Advisors

1. Prof. Mahendra Kumar Thakur, NASI Senior Scientist, Former Professor & Head, Department of Zoology, Banaras Hindu University, Varanasi – 221005 2. Prof. Lal Chand Rai, BHU Distinguished Professor, DAE Raja Ramanna Fellow & JC Bose National Fellow, Formerly Head & Coordinator, CAS in Botany, Institute of Science, BHU, Varanasi - 221005

3. Dr. P.C. Abhilash, Assistant Professor, Institute of Environment & Sustainable Development (IESD), Banaras Hindu University, Varanasi - 221005

# **BENEFACTORS**

Dr. V.A. Garten Australia M/s Noya Prakash Calcutta Dr. P. Sheel Allahabad M/s J.K. Synthetics Ltd. Kanpur M/s Tata Chemicals Ltd. Bombay M/s Tata Tea Ltd. Bombay M/s Scientific Instrument Company Limited Allahabad Reliance Industries Ltd Mumbai

# LIFE MEMBERS

- ABBAS, MOHAMMAD, M.Sc., Ph.D., Central Drug Research Institute, Lucknow - 226 001
- ABDIN, MALIK ZAINUL, PhD, Head, Room No. 201, Dept. of Biotechnology, School of Chemical and Life Sciences, Jamia Hamdard, Hamdard Nagar, NEW DELHI 110062, Tel. 011-26059668(O), 09818462060(M); Fax: 26059663; Email: mzabdin@jamiahamdard.ac.in
- ABDUL RAHIMAN, M., Ph.D., FNESA, FAEB,FIAES, Formerly Vice-Chancellor of Kannur & Calicut Universities and Professor of Bio-Science, Mangalore University, 'HALCYON', Kaprigudda New Road, MANGALORE 575001, Tel. 0824-2422778, 2423123(R), 09886339639 (M);Email: abdulmangalore@rediffmail.com
- ABDULLAH, SHEIKH TASDUQ, Senior Principal Scientist, Pharmacology Division, CSIR-Indian Institute of Integrative Medicine, Canal Road, JAMMU TAWI 180001, Tel. 191-2585006-13 Ext.332(O), 2950125(R), 09419148712, 07006551654(M); Fax: 2585333, 2585019, 2585026; Email: stabdullah@iiim.ac.in; tasduq11@gmail.com
- ABHILASH, M.Sc., Ph.D., FSABT, Senior Principal Scientist & Associate Professor (ACSIR), MER Division, CSIR-National Metallurgical Laboratory, JAMSHEDPUR 831007, Tel. 0657-2345274(O), 2346077 (R), 09431962767(M); Fax: 2345213; Email: abhilash@nmlindia.org; abhibios@gmail.com
- ACHARY, SRUNGARPU NAGABHUSAN, Ph.D., Scientific Officer, Chemistry Division, Bhabha Atomic Research Centre, MUMBAI 400085; Res. C-4, Badrinath, Anushakti Nagar, MUMBAI 400094; Tel. 022-25592328(O); Fax: 25505151; Email: sachary@barc.gov.in, acharysn@gmail.com
- ACHARYA, MUKTI, C/O Dr. B.D.Acharya, D.S.T., Technology Bhavan, New Mehrauli Road, NEW DELHI
- ACHARYA, RAMESH MADHAV, M.Sc., Ph.D., Formerly Reader in Botany, Rama-Sahniwas, Nakhate Lay-out, Vidyanagar, Nagpur Road, WARDHA- 442001
- ACHARYA, SMITA ATUL, M.Sc., Ph.D., Associate Professor, PG Department of Physics, Rashtrasant Tukadoji Maharaj Nagpur University, Amaravati Road, NAGPUR 440033, Res. 47, Nagar Vikas Society, Isha Height, Near Manish Nagar Raly Crossing, NAGPUR, Tel. 09372078410(M); Email: saha275@yahoo.com
- ADHYAPAK, PARAG VISHWAS, PhD, Scientist D, Centre for Materials for Electronics Technology (C-MET), Panchavati, Off. Pashan Road, PUNE 411008, Tel. 020-25899273(O), 27283700(R), 09890280978(M); Fax: 25898180; Email: adhyapak@cmet.gov.in; adhyapak@yahoo.com
- AERY, NARESH CHANDER, M.Sc., Ph.D., Professor, Department of Botany, University College of Science, M.L. Sukhadia University, UDAIPUR 313002, Tel. 0294-2413955 Ext.217(O), 2411146, 2413146(R); Email: ncaery@yahoo.com
- AGAR, NİHAL SINGH, M.V.Sc., Ph.D., Associate Professor, Department of Physiology, The University of New England, Armidale, NSW 2351, AUSTRALIA

**AGARWAL, DEVENDRA KUMAR,** M.Sc., Ph.D., F.P.S.I., Principal Scientist (Mycologist), Curator-Herbarium, Division of Plant Pathology, I.A.R.I, NEW DELHI - 110012, Tel. 011-25782438(O), 25741046(R)

- AGARWAL, GAYA PRASAD, M.Sc., Ph.D., FESI, FHSI, FSB, Formerly Professor & Head, Zoology Department, BHU, Varanasi; Res. Kothi Sahu Param Kirti Saran Kothiwal, Savita Sadan, Mandi Bans, MORADABAD 244001, Tel. 0591-2471767
- AGARWAL, INDRA, B-2, Shiv Road, Ratanada, JODHPUR
- AGARWAL, MANJU, M.Sc., Ph.D., Former Professor & Head, Dept. of Mathematics & Astronomy, Lucknow University, Res. HIG-79, Sector E, Aliganj, LUCKNOW 225024, Tel. 09451723146(M); Email: manjuak@yahoo.com
- AGARWAL, NEERAJ, Associate Professor, UM-DAE, Centre for Excellence in Basic Sciences, Kalina Campus, Santacruz (E), MUMBAI- 400098, Tel. 022-26530227(O), 09867941065(M); Fax: 26524982; Email: na@cbs.ac.in:
- AGARWAL, RAM KUMAR, M.Sc., Ph.D., D.Sc., Retd. Reader & Head, Department of Chemistry, Lajpat Rai P.G. College, 11/100, Rajendra Nagar, Sector-3, SAHIBABAD 201005, GHAZIABAD, Tel. 0120-2630138, 09910258940(M); Email: ram\_agarwal54@yahoo.com
- AGARWAL, SHRI GOPAL, M.Sc., Ph.D., Vice President (Quality Assurance), H.No. 4, Rampur Road, Near CETC Army Camp, G.T. Road, DORAHA 141421, Dist. Ludhiana, Punjab; Tel. (01628) 661661(O), 258240, 258640(O), 09781711066(M); Fax: 661699, 661698; Email: shrigopal.agarwal@littlebeeimpex.com
- **AGARWAL, SUBHASH MOHAN,** PhD, Scientist E, Bioinformatics Division, ICMR-National Institute of Cancer Prevention & Research, I-7, Sector-39, NOIDA 201301, Tel. 0120-2446925(O), 09811741691(M); Email: smagarwal@yahoo.com:
- AGARWAL, VINOD KUMAR, M.Sc., D.Phil., Professor of Physics, C.C.S. University, MEERUT; Res. 789/6 Jagriti Vihar, MEERUT 250004, Tel. 0121-2764358(R)
- **AGARWALA, S.C.,** M.Sc., Ph.D., F.A.Z., F.Z.S, Department of Zoology, Meerut College, MEERUT
- AGGARWAL, RAMESH K., Ph.D., FNAAS, FAPSA, FTSA, FISGPB, Formerly Sr. Consultant (Agriculture), NER-BPMC, Department of Biotechnology (GOI), NEW DELHI 110024; Res. H-307, Indu Aaranya Pallavi, GSI Post, Bandlaguda, Nagole, HYDERABAD 500068; Tel. 09849042817(M); Email: rameshka9@gmail.com
- AGGARWAL, SHASHI, Ph.D., Professor, Zoology Department, Punjabi University, PATIALA 147002; Tel. 0175-3046334, 6335(O); Fax: 3046334; Email: shashiunindia@yahoo.co.in
- AGNIHOTRI, PRIYANKA, PhD, Principal Scientist, Plant Diversity, Systematics & Herbarium Division, CSIR-National Botanical Research Institute, Rana Pratap Marg, LUCKNOW 226001, Tel. 0522-2297827(O), 08004923566(M); Fax : 2205836; Email : p.agnihotri@nbri.res.in; priyagni\_2006@yahoo.co.in
- **AGRAWAL, ASHOK K.,** Ph.D., Formerly Deputy Director, ITRC, Lucknow; Res. 104 A, Shakti Nagar, Faizabad Road, LUCKNOW 226016; Tel. 0522-2310632(R), 09335261505(M); Email : aka33@rediffmail.com

AGRAWAL, B.S. IOFS, M.Sc., FIC, FICPS, PGDEM, DUN, DCL, ,C.C., Former Joint Advisor, National Disaster Management Authority, Govt. of India, Ministry of Home Affairs, A-1, Safdarjung Enclave, NEW DELHI – 110029, Res. Flat No. 127, Aakriti Apartments, Plot No. 6, Sector 4, Dwarka, NEW DELHI - 110078, Tel. 09013905973(M); Email: bsa.suman@yahoo.co.in

- AGRAWAL, MAHESH CHANDRA, M.V.Sc., Ph.D., FZSI, FIAAVP, FNAVS, Formerly ICAR National Fellow, Formerly Dean Vety College, Emeritus Scientist, ICAR; Res. 3/4 Datt Arcade Phase Three, South Civil Lines, JABALPUR 482001, Tel. 0761-2621772(R), 09993224849(M); Email: mcagrawal@yahoo.com, drmcagrawal@gmail.com
- AGRAWAL, O.P., M.Sc., Ph.D., Professor, School of Studies in Zoology, Jiwaji University, GWALIOR 474011, Tel. 0751-2442755, 2342325(O), 098277-87803(M); Email. o.p.\_agrawal51@rediffmail.com
- AGRAWAL, OM PRABHAT, D.Phil., FECSI, Formerly President Chemistry, Indian Science Congress and Professor of Chemistry, M.D. University; Res. Sri Venkatesh Bhawan, 445-B (New 273), Dev Colony, Delhi Road, ROHTAK 124001, Tel. 09254374080(R), 09896374080(M)
- AGRAWAL, R.P., Kuwait University, KUWAIT
- **AGRAWAL, S. RANI,** M.Sc., Head, Department of Botany, Dr.R.M.L.S. Mahavidyalaya, Diwan Road, Muzaffarpur, BIHAR
- AGRAWAL, S.C., M.A., Ph.D., Director, SBAS, Shobhit University, Modipuram, NH-58, MEERUT 250110, Tel. 121-2762526, 09897368273(M), Email: scagrawal7@rediffmail.com
- **AGRAWAL, S.C.,** M.Sc., Deptt of Chemistry, L S College, MUZAFFARPUR **AGRAWAL, S.R.,** Department of Botany, Gorakhpur University, GOR-AKHPUR
- AGRAWAL, SANT PRASAD, M.Sc., Ph.D., Formerly Professor of Physics & Computer Science, A.P.S. University, REWA; Res. Asha Kiran Building, Behind Head Post Office, Sirmour Chauraha, Civil Lines, REWA 486001; Tel. 07662-240653, 09425824188, 09479449922(M)
- **AGRAWAL, SUMAN LATA,** M.Sc., D.Phil., C/o Mr. B.L. Agarwal, Ashok Talkies Compound, Naini, PRAYAGRAJ 211008
- AGRAWAL, VIJAY KUMAR, D.Phil., PGD(Tokyo), Professor & Head, Department of Chemistry, APS University, REWA 486003; Tel. 09425194556(M), Email: apsvka@yahoo.co.in
- AGRAWAL, YADVENDRA KUMAR, Ph.D., D.Sc., F.Chem., F.R.S.C., F.I.C., Professor & Head, Chemistry Deptt. & Dean, Faculty of Sci., Gujarat University, AHMEDABAD 380009
- AHLUWALIA, AMRIK SINGH, MSc(Hons.), PhD, FBS, FIFS, FSPR, Professor (Botany) & Pro Vice-Chancellor, Eternal University, BADU SAHIB 173101, Distt Sirmour (HP); Tel. 09815984489(M);Email: amrik.s511@gmail.com; pvc@eternaluniversity.edu.in
- AHMAD, FIROZ, M.Sc., Ph.D., Vice Chancellor, N.P. University, Medninagar, Palamu; Formerly Professor of Zoology, Ranchi University, JHARKHAND; Tel. 09431587937, 09431715386(M); Email: vc\_npu@gmail.com
- AHMAD, SYED HASIB, M.Sc., Ph.D., F.R.A.S., Formerly Associate Deancum-Principal, College of Fisheries, Dholi; 405, Saket Enclave, Opposite Cold Storage Masjid, Khajepura, Bailey Road, P.O. Bihar Veterinary College, PATNA - 800014, Tel. 0612-2590809; Email: hasib @sify.com

AHMAD, TOKEER, MSc, PhD, Professor, Department of Chemistry, Jamia Millia Islamia, NEW DELHI - 110025, Tel. 09958369786(M); Email: tahmad3@jmi.ac.in

- AHMED, JAMÍL, Lecturer in Zoology, Shibli National (P.G.) College, AZAMGARH
- AHMED, SYED MOHAMMAD, M.Sc., Ph.D., Formerly Professor of Botany, Saifia College; A-5, Creative Gardens, Near Saifia Arts College, Gate No. 1, Ahmedabad Palace Road, BHOPAL 462001
- AHUJA, BHOPINDRA SINGH, M.Sc., Homeopathic, Pharmacopia Laboratory, Navyug Market, GHAZIABAD 201061
- AIDHEN, INDRAPAL SINGH, Ph.D., Professor, Department of Chemistry, Indian Institute of Technology, Madras, CHENNAI 600036, Res. C1-02-16, First Loop Road, IIT Madras Campus, CHENNAI 600036, Tel. 044-22574219(O), 22576219(R), 09444441469(M); Email: isingh@iitm.ac.in
- AJAYAKUMAR, P.V., M.Sc., Scientist C, Electron Microscopy Lab, Central Institute of Medicinal & Aromatic Plants, LUCKNOW 226015
- ALI, VAHAB, Scientist E, Department of Biochemistry, Rajendra Memorial Research Institute of Medical Sciences, Agamkuan, PATNA 800007, Tel. 0612-2630092(O), 09304184301, 09304836301(M); Fax: 2634379; Email: vahab\_ali@yahoo.com; ali69rmrims@gmail.com;
- ALLU, VASUDEVA RAO, PhD, Professor, School of Basic Sciences, IIT Bhubaneswar, Jatni PO, Argul-752050, Odisha, Tel. 0674-7135120(O), 07327928992, 09564165479(M); Fax: 7134562; Email: avrao@iitbbs.ac.in
- **AMBASHT, JAMUNA PRASAD**, Ph.D., Professor of Mathematics, Benedict College, 34, Westpine Court, Columbia, SC 29212, U.S.A.
- AMBASHT, NAVIN KUMAR, M.Sc., Ph.D., Professor and Head, Department of Botany, Christ Church P.G. College, KANPUR 208001; Res. 117/M/1146, F3 First Floor, Madhuban Apartment, M Block, Kakadeo, KANPUR 208019, Tel. 09452570667, 07985499118(M); Email: navinkambasht@gmail.com
- **AMBASTA, KAMAL KISHORE,** M.Sc., S.R.F., PGT Biology, Sunshine Prep./High School, Naryanpur Sherpur, MUZAFFARPUR (BIHAR)
- AMBASTHA, ASHOK, M.Sc., Ph.D., Honorary Scientist and Former Senior Professor, Udaipur Solar Observatory, Physical Research Laboratory, P.O. Box No. 198, UDAIPUR 313001, Res. 42, Navaratna Complex, Fatehpura, Bedla Road, UDAIPUR 313001, Tel. 09413317286(M); Email: ambastha@prl.res.in, ashok.ambastha@gmail.com
- AMINUDDIN, M.Sc., Ph.D., Former Scientist F, Molecular Virology Lab., NBRI; Res. 3/222 Viram Khand, Gomti Nagar, LUCKNOW 226010, Tel. 0522- 2395434(R); Email: amin\_nbri@yahoo.com
- AMIR, MOHAMMAD, PhD, U.G.C.(NET), Professor, Department of Zoology, Aligarh Muslim University, ALIGARH 202002, Tel. 0571-2700920 Ext. 3446(O), 09358220777(M); Email: mohammad\_amir1966@yahoo.com, mohd.amir1966@gmail.com
- ANAND, NARAYANASWAMY, M.Sc., Ph.D., D.Sc., Director, Centre for Advanced Studies in Botany, University of Madras, Guindy Campus, CHENNAI 600025, Tel. (044) 22350401, 22300283(O), 26572576(R), Fax: 22352494; Email: anandalgae@hotmail.com
- ANAND, RATNESH KUMAR, M.Sc., Ph.D., Reader, P.G. Department of Botany, M.S. College, MOTIHARI; Res. Azad Nagar, Road No. 2, Baluatal, MOTIHARI 845401, Tel. 06252-230334(R), Email: dr\_ratnesh@indiatimes.com

ANAND, RISHU CHAUJAR, PhD, FIETE, FOSI, SERB-Power Fellow, Professor (Engg. Physics), Dept. of Applied Physics, Centre Coordinator, Vinod Dham Centre of Excellence for Semiconductors and Microelectronics, Delhi Technological University, Bawana Road, DELHI - 110042, Tel. 09811385965(M); Email: chaujar.rishu@dtu.ac.in; rishuchaujar@rediffmail.com;

- **ANANTH, SUDARSHAN**, Ph.D., Professor & Chair, Physics, Indian Institute of Science, Education and Research, Pune, Dr. Homi Bhabha Road, Pashan, PUNE 411008, Tel. 020-25908031(O), 09766256270(M); Email: ananth@iiserpune.ac.in
- ANANTHAKRISHNAN, RAJAKUMAR, PhD, Professor, Department of Chemistry, Indian Institute of Technology, KHARAGPUR 721302, Tel. 03222-282322(O), 282323(R), 09933972273(M); Email: raja.iitchem@yahoo.com
- ANDOTRA, C.S., M.Sc., Ph.D., Professor of Chemistry, University of Jammu, JAMMU 180006; Tel. (0191) 2453969(O), 2462025(R); Email: charanjitsandova@ usa.net
- ANEJA, KAMAL RAI, PhD, FPSI, FBS, FIMS, FSBA, FMSI, Formerly Professor & Chairman, Department of Microbiology, Kurukshetra University, KURUKSHETRA; Res. Narmada Kunj, H.No.532, Sector-3, Urban Estate, KURUKSHETRA (Haryana) 136118, Tel. 09466241532(M); Email: anejakr@yahoo.ca, anejakr@gmail.com
- ANGURAJ, ANNAMALAI, Vice Principal & Associate Professor, Department of Mathematics, PSG College of Arts & Science, COIMBATORE 641014, Res. 20/54 Shanmuga St., KK Pudur, COIMBATORE 641038; Tel. 0422-4303300(O), 2444433(R), 09443737620(M); Fax: 2575622; Email: angurajpsg@yahoo.com
- ANIS, MOHAMMAD, M.Sc., Ph.D., FLS(London), FISG, UGC-BSR Faculty Fellow, Department of Botany, Aligarh Muslim University, ALIGARH 202002; Res. 07, Rainbow Roofs, Phase-I, Anoopshahar Road, ALIGARH 202122; Tel. 09837305566(M); Email: anism1@rediffmail.com; anismohd37@gmail.com;
- **ANJALI DEVI, S.P.,** M.Sc., Ph.D., Professor & Head, Department of Applied Mathematics, Bharathiar University, COIMBATORE 641046; Tel. 0422-2428412(O), 2424505(R); Email: anjalidevi\_s\_p@yahoo.co.in
- ANSARI, ABDUL SALAM, MSc, PhD, FAMS, Professor, Department of Zoology, University of Rajasthan, JAIPUR-302004, Res. 502, Lotus Residency, Lotus Villa, Jagatpura, JAIPUR 302017, Tel. 0141-4025755(R), 09828784700(M); Email: abdulsansari@yahoo.com, ansari3808@gmail.com, abdulsansari@uniraj.ac.in
- ANSARI, MOHD. NAQI, M.Sc., Ph.D., F.I.C.S., F.I.C., C.Chem., Reader, Department of Chemistry, S.D.College; 280, Khalapar, MUZAFFARNAGAR- 251001, Tel. (0131) 432734
- ANSARI, MUSHARRAF ALI, M.Sc., M.Phil., Ph.D., Dy Director (Entomology), Malaria Research Centre (ICMR), 20, Madhuban, DELHI 110 092
- ANSARI, SERAJ AHMAD, PhD, Scientific Officer F, Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25596337(O), 25590640(R), 09323466116(M), Email : ansaris@barc.gov.in

**ANSARI, W. HAQUE,** Ph.D., Professor, Department of Physics, L.N. Mithila University, DARBHANGA - 846008

- ANTHA, D.B., Department of Pharmacy, University of Delhi, DELHI
- ARCHUNAN, GOVINDARAJU, Ph.D., DSc, Professor, Department of Animal Science, Bharathidasan University, TIRUCHIRAPPALLI 620024, Res. 4, 6 Cross Extension, First Main Road, Raja Colony, TIRUCHIRAPPALLI 620001, Tel. 0431-2407040(O), 2462347(R), 09443922228(M); Fax: 2407045; Email: garchu56@yahoo.co.in
- ARIF, MOHAMMAD, M.Sc., D.Phil., F.A.Z., F.B.R.S., F.P.P.S., F.A.Z.R.A., Ex Scientist 'E', DIBER, DRDO; Res. 89C/45, Thornhill Road, Dayanand Marg, Civil Lines, PRAYAGRAJ 211001; Tel. 09412977248(M); Email: arif527@rediffmail.com
- ARORA, SANJAY, Ph.D., Principal Scientist (Soil Science), Central Soil Salinity Research Institute, Regional Research Station, Opp. Kanshiram Smarak, Dilkusha PO, Jail Road, LUCKNOW 226002; Tel. 0522-29847124(O), 07376277190(M); Fax: 2984713; Email: aroraicar@gmail.com
- ARYA, ARUN, M.Sc., D.Phil., FPSI, FBS, FIAAPC, Professor & Ex Head, Department of Botany & Coordinator, Environmental Science Programme, Faculty of Science, M.S. University of Baroda, VADODARA-390002, Tel. 0265-2791891(O), 2792986(R), 09377361673(M); Fax: 2793693, Email: aryaarunarya@rediffmail.com
- ASTHANA, ASHISH KUMAR, Ph.D., Senior Principal Scientist, National Botanical Research Institute, LUCKNOW 226001; Res. 106, Tivoli Apartments, Wazir Hasan Road, LUCKNOW 226001; Tel. 0522-2297842(O), 2204048(R), 09415105620(M); Fax: 2205836, 39; Email: drakasthana@rediffmail.com, drakasthanaster@gmail.com
- AUGUSTINE, REHNA, PhD, Assistant Professor, Centre for Plant Biotechnology & Molecular Biology, IT-BT Complex, College of Agriculture, Kerala Agricultural University, THRISSUR 680656, KERALA, Tel. 09654921035(M); Fax : 0487-2371994; Email : rehna.augustine@kau.in
- AWASTHI, SATISH KUMAR, D.Phil., Professor, Department of Chemistry, University of Delhi, DELHI 110007; Res. A-1/8, Cavalary Lane, Delhi University, DELHI 110007; Tel. 09582087608(M); Email: awasthisatish@yahoo.com, satishpna@gmail.com
- AWASTHI, USHA, M.Sc., Ph.D., LL.B., Professor of Zoology, Govt. Girl's P.G. College, REWA; Res. Near Dal Mill, Narendra Nagar, REWA 486 001; Tel. 07662-242829(R), 09826714610(M)
- AWASTHY, RAMA, M.Sc., Ph.D., Professor & Head, Department of Botany, Govt. Autonomous M.L.B. Girls P.G. College, BHOPAL, Tel. 0755-2552594(R)
- AYYADURAI, S., Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, MUMBAI 400 005
- AYYAPPAN, ANOOP, PhD, Professor, School of Digital Sciences, Kerala University of Digital Science, Innovation, and Technology (Digital University Kerala), Technopark Phase IV, Pallipuram, THIRUVANANTHAPURAM, KERALA 695317, Tel: 9476475428(M), Email: anoop.a@duk.ac.in
- **AZAD, K.K.,** D.Phil., Professor of Mathematics, A.U., Vijaya Niwas, 198, Mumfordganj, PRAYAGRAJ 211002

**BADWAIK, NILIMA K.,** M.Sc., Ph.D., Pool Officer (CSIR), Department of Zoology, Institute of Science, 55, Kachipura, Ramdaspeth, NAGPUR-440010; Tel. 535733(R)

- **BAGYANARAYANA, G.**, Ph.D., Professor & Head, Department of Botany, Osmania University, Hyderabad 500007; Tel. 040-27682244(O), Fax: 27099020
- **BAHADUR, PRATAP,** Ph.D., D.Sc., Professor of Chemistry, South Gujarat University, SURAT 395007
- BAIDYA, MITHU, PhD, Assistant Professor, Room No.516, North Block, NH 44, PO Nagrota, Jagti, IIT Jammu, JAMMU AND KASHMIR 181221, Tel. 10912741214(O), 06386205928(M); Email : mithu.baidya@iitjammu.ac.in
- BAIRAGI, NANDADULAL, M.Sc., Ph.D., Associate Professor & Coordinator, Centre for Mathematical Biology and Ecology, Department of Mathematics, Jadavpur University, KOLKATA 700032, Res. 132, J.C. Bose Road, Masunda, New Barrackpore, KOLKATA 700131, Tel. 033-24146717(O), 09433110781(M); Fax: 24146584; Email: nbairagi@math.idvu.ac.in
- **BAJAJ, MADAN MOHAN,** Ph.D., D.Sc.(Japan), D.Sc.(WDP), Professor of Physics, Department of Physics & Astrophysics, University of Delhi, DELHI 110007
- BAJAJ, SURENDRA PAL, M.B.B.S., M.S., M.Ch.(Plast.Surg.), F.R.C.S.(Glasgow), Sr.Consultant & Head, Department of Burns, Plastic & Maxillofacial Surgery, Safdarjang Hospital, NEW DELHI - 110 029
- **BAJPAI, PREETI,** Associate Professor, Department of Zoology, School of Life Sciences, Mahatma Gandhi Central University, MOTIHARI 845401, Bihar; Tel. 08887610502, 09918040777(M); Email: preetibajpai@mgcub.ac.in; preeti2874@gmail.com;
- BAJPAI, RAJESH, PhD, Associate Professor, Department of Environmental Studies, North-Eastern Hill University, Shillong 793022, Meghalaya; Res. Gram Khalegovan, Post Seshpur Samdoha, Bachhrwan, District RAEBAREILY-229301,Tel. 0364-2307930 Ext. 1187(O), 09452293746 (M); Email: bajpaienviro@gmail.com; rajeshbajpai@nehu.ac.in
- **BAJPAI, RATISH,** M.Sc., Research Scholar, School of Studies in Zoology, Jiwaji University, GWALIOR
- **BAKALE, VINAYAK LAXMANRAO,** M.Sc., Ph.D., F.B.S., Professor & Head of Botany & Director, Institute of Science, A-16/2, Ravinagar Govt. Qtrs., Ravinagar, NAGPUR 440 010
- BAKSH, SATYA, Department of Physics, Punjab University, CHANDIGARH
- BALACHANDRAN, KRISHNAN, M.Sc., M.Phil., Ph.D., Professor and Head, Department of Mathematics, Bharathiar University, COIMBATORE 641046, Res. 37, Bharani St., Linganur, Vadavalli (PO), COIMBATORE 641041, Tel. 0422-2428411(O), 2423748(R), 09442709274(M); Email: kbkb1956@yahoo.com
- BALACHANDRAN, T., M.Sc., Ph.D., Dip in Ger., National Institute of Oceanography, Regional Centre, Pullepady, Cross Road, P.B.No. 1913, COCHIN - 682018
- **BALAKRISHNAN, R.,** M.A., M.Sc., Ph.D., Adjunct Professor, Department of Mathematics, Bharathidasan University, TIRUCHIRAPALLI 620024, Res. 68/65, E.B. Colony, TIRUCHIRAPALLI 620023; Tel. 09865016756(M); Email: mathbala@sify.com

**BALARAMAN, EKAMBARAM,** PhD, FRSC, Associate Professor, Department of Chemistry, IISER Tirupati, Karagambadi Road, Mangalam Post, TIRUPATI - 517507, Tel. 07756831487, 07972421150(M); Email: eb.raman@iisertirupati.ac.in; balaramanekambaram@gmail.com

- BALASUBRAMANIAN, SRIDHAR, PhD, Professor, Dept. of Mechanical Engineering, RM S09, IIT Bombay Campus, Powai, MUMBAI 400076, Tel. 022-25767541, 25768541(O), 09167557541(M), Email: sridharb@iitb.ac.in
- BALASUBRAMANYAM, MUTHUSWAMY, M.Sc., M.Phil., Ph.D., FAMS, FAPASc, FASCh, ICMR Emeritus Scientist, Professor & Advisor, Madras Diabetes Research Foundation, No. 4, Conran Smith Road, Gopalapuram, CHENNAI 600086; Res. 15/6, First Main Road, Jeth Nagar, R.A. Puram, CHENNAI 600028, Tel. 044-43968888(O), 45534530(R), 09840835222(M); Email: balumentor@gmail.com
- BAMEZAI, RAJINDER KUMAR, M.Sc., M.Phil., Ph.D., Professor, Department of Chemistry, University of Jammu, JAMMU 180006, Tel. 0191-2453969(O), 2531445(R), 09419190036(M); Email: rkb10@ rediffmail.com, rkbamezai@gmail.com
- BANAIMOON, SAEED AL ABBID, B.Sc., M.Sc., P.O.Box 3008, Safat, KUWAIT
- **BANDOPADHYAY, RAJIB,** Ph.D., Professor, UGC-Centre of Advanced Study, Department of Botany, The University of Burdwan, Golapbag, Burdwan 713104; Tel. 08170995469(M); Email: rbandopadhyay@bot.buruniv.ac.in; rajibindia@gmail.com
- **BANDOPADHYAYA, SANTU,** Indian Institute of Chemical Biology, 4, Raja S.C. Mullic Road, Jadavpur, CALCUTTA 700 032
- **BANDYOPADHYAY, PROBIR KUMAR,** Ph.D., Professor & Head, Department of Zoology, University of Kalyani, KALYANI 741235, Res. B-17/51, KALYANI 741235 (WB), Tel. 033-25828750/ 8220/ 8477/ 8286(O), 25820432(R), 09433214527(M); Fax: 25828282; Email: prabir0432@hotmail.com
- BANDYOPADHYAYA, RAJDIP, Ph.D., Professor, Department of Chemical Engineering, Indian Institute of Technology, Bombay, Powai, MUMBAI 400076, Res. Flat No. B-78, IIT Bombay, Powai, MUMBAI 400076; Tel. 022-25767209(O), 25768209(R), 09833377498(M); Fax: 25726895; Email: rajdip@che.iitb.ac.in
- **BANERJEE, ARNAB,** PhD, Associate Professor, Department of Biological Sciences, BITS Pilani, KK Birla Goa Campus, NH 17B, Zuari Nagar, South Goa, GOA 403726, Tel. 0832-2580361(O), 09529831137(M); Email: arnabb@goa.bits-pilani.ac.in
- BANERJEE, BARUNDEB, MS, MSC, SCD, PhD,FAS, Adviser, National Tea Research Foundation, Tea Board, 14 BTM Sarani, KOLKATA - 700001
- BANERJEE, D., Department of Botany, Meerut University, MEERUT
- **BANERJEE, MEENAKSHI**, M.Sc., Ph.D., Faculty Fellow, Department of Bioscience and Executive Director, CAAR, Rice University Houston TX USA, PO Box 38291, Houston TX 77088-8291, USA, Email: minakshi12@aol.com
- BANERJEE, SANTANU, M.Sc., Ph.D., Professor, Department of Earth Sciences, IIT Bombay, Powai, MUMBAI 400076; Res. C-106 Building No. 17, IIT Bombay Campus, Powai, MUMBAI 400076; Tel. 022-25767253(O), 09920914159(M); Email: santanu@iitb.ac.in

**BANERJEE, SATI PRASAD,** M.Sc., Ph.D., FIC, Formerly Professor & Head, Department of Chemistry, C-77, University Campus, Dr. H.S. Gaur Vishwavidyalaya, SAGAR - 470003, Tel. 07582-264124(R)

- **BANERJEE, SHAPNA,** M.Sc., Reader in Zoology, Sushilavati Govt. Women's College, Sec.-2, Rourkela-6, DISTT. SUNDARGARH
- BANERJEE, SMITA, MSc,PhD, Professor of Zoology, Dr HS Gour University, C-60, University Campus, SAGAR 470003, Tel. 07582-265004(0), 265230(R), 09329427646(M); Email: bsmitasagar@ hotmail.com
- **BANERJEE, SUBHAM,** PhD, Associate Professor, Dept. of Pharmaceutics, National Institute of Pharmaceutical Education & Research-Guwahati, CHANGSARI-781101, ASSAM, Tel. 09599878950(M); Email: banerjee.subham@yahoo.co.in; subham@niperguwahati.in
- BANERJEE, UTTAM CHAND, MIE, PhD, FIIChE, Professor & Head, Dept. of Biotechnology, National Institute of, Pharmaceutical Education & Research, Sector-67, Phase X Mohali, SAS Nagar, MOHALI 160062, Tel. 0172-214282-87, Ext.2061, 2062(O), 231290(R); Fax: 214692; Email: ucbanerjee@niper.ac.in; ucbanerjee@rediffmail.com
- **BANERJEE, VIVEKANAND,** M.Sc., Dr.-rer-nat(Heidelberg), M.Z.S., F.A.Z., Professor, P.G. Department of Zoology, Patna University, PATNA
- BANERJI, BHASKER, M.B.B.S., M.S., Hony. Secretary, Director, Jyoti Institute of Physical Medicine & Rehabilitation Sciences, PRAYAGRAJ 211 002; Res. 196A/72, Tagore Town, PRAYAGRAJ 211002; Tel. 0532-2465766(O), 2465056(R), Email: jimars11@gmail.com
- BANERJI, NEERA, M.B.B.S., D.O.M.S., M.S., Hony. Project Director & Consultant, Ophthalmologist, Jyoti Institute of Physical Medicine & Rehabilitation Sciences, PRAYAGRAJ 211002; Res. 196A/72, Tagore Town, PRAYAGRAJ 211002; Tel. 0532- 2465766(O), 2465822(R) Email: jimars11@gmail.com
- **BANERJI, S.K.,** D.Sc., F.A.Sc., M.A.E.S.I., (HON.), F.R.Met.Sc., 3 Ramani Chatterji Road, P O Rash Behari Ave, CALCUTTA 700029
- BANIPAL, TARLOK SINGH, M.Sc., Ph.D., Professor, Department of Chemistry, Guru Nanak Dev University, AMRITSAR 143005; Res. 67-A, New Kabir Park, (Opposite University), P.O. Rayon and Silk Mills, AMRITSAR 143104; Tel. 0183-2258802-09 Ext. 3319(O), 2451357(R), 09888705996(M); Fax: 2258819-20; Email: tsbanipal@yahoo.com
- BANSAL, NIRAJ, M.Sc., D.Phil., Manager Quality Control, Lupin Laboratories Ltd., 'Bansal Niwas', Shalimar Garden Colony, Near Behat Bus Stand, Sarai Marg, SAHARANPUR 247001, Tel. 0132-642060(R), 07480-33386/87/88(O); Fax: 07480-33385
- BANSAL, PUNEET KUMAR, Ph.D., Professor, Dept. of Pharmacology, Central University of Punjab, Ghudda 151401, BATHINDA; Res. H.No.B-XI 1103, Street No. 3, KC Road, BARNALA 148101, Tel. 01679-236282(R), 09876100692(M); Email : punnubansal79@gmail.com; puneet.bansal@cup.edu.in
- **BANSI, DHAR,** M.Sc. (Tech.), Electronic Engineer, Physical Research Laboratory, Navrangpur, AHMEDABAD 380009
- **BAPAT, MUKUND NARAYAN**, Ph.D., Hon. Principal, Hindupat Institute of Teacher Training, Bada Bag, Raghogarh, DIST. GUNA (MP)
- BARANWAL, VIRENDRA KUMAR, Ph.D., Principal Scientist & Incharge, Virology Unit, Division of Plant Pathology, Indian Agricultural Research Institute, Pusa, NEW DELHI 110012; Res. 8-B, Scientist Apartment, IARI, Pusa, NEW DELHI 110012; Tel. 011-25843113(O), 25843336(R), 09818756899(M); Fax: 25843113; Email: vbaranwal2001@yahoo.com

BARAT, ASHOKTARU, M.Sc., Ph.D., Technical Officer, Fish, Genetics & Biotechnology Div., Central Institute of Freshwater Aquaculture, P.O. Kausalyaganga, BHUBANESWAR - 751002, Tel. 0674-2465446 Extn. 215(O), 2571292(R), Fax: 2465407, Email: abarat@sancharnet. in, ashoktaru2@yahoo.com

- **BARAT, S.VED,** M.A., D.Phil.(Oxon), Lecturer, Botany Department, Punjab University, CHANDIGARH 14
- BARBUDDHÉ, SUKHADEO BALIRAM, PhD, Director, ICAR-National Meet Research Institute, Chengicherla, Boduppal Post, HYDERABAD 500092, Tel. 040-29801672(O), 09518542937(M); Fax: 29804259; Email: sb.barbuddhe@icar.gov.in; barbuddhesb@gmail.com
- BARHWAL, KALPANA, PhD, Assistant Professor, Department of Physiology, All India Institute of Medical Sciences, BHUBANESWAR 751019, Tel. 0674-2476201(O), 09438884026(M); Email : drkalpana2009@hotmail.com
- BARICK, KANHU CHARAN, PhD, Scientific Officer F, Chemistry Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25590284(O), 09820378103, 08828041103(M), Fax: 25505151, Email: kcbarick@barc.gov.in; kcbarick@gmail.com
- **BARPANDA, PRABEER,** Associate Professor, R 202, Materials Research Center, Indian Institute of Science, C.V. Raman Avenue, BANGALORE 560012, Tel. 080-22932783(O), 09449520638(M); Fax: 23607316; Email: prabeer@iisc.ac.in; prabeer@gmail.com;
- BARUAH, KUMAR KUSHAL, M.Sc., Ph.D., Post Doct., (Moscow), FISPP, Professor, Dept. of Environmental Science, Tezpur Central University, TEZPUR 784028; Res. Barbheta, JORHAT 785004; Tel. 03712-267008, Extn. 5604(O), 09207044098(R), 09859914135(M); Fax: 03712-267006; Email: kkbaruah2001@yahoo.com, kkbaruah@tezu.ernet.in
- BARUAH, PARTHA PRATIM, PhD, Professor, Department of Botany, Gauhati University, GUWAHATI 781014, Tel. 0361-2570530(O), 07896748848, 09435402257(M), Email: ppbaruah@gauhati.ac.in
- BASAK, SANJAY, MSc, PhD, Post-doc(Norway), Senior Deputy Director/Scientist F, Molecular Biology Division, ICMR-National Institute of Nutrition, Tarnaka, HYDERABAD 500007, Tel.040-27197336(O), 09440946899(M); Email: sba\_bioc@yahoo.com, basak.sanjay@icmr.gov.in
- BASHYAM, MURALI DHARAN, Ph.D., Staff Scientist, Head, Molecular, Oncology, Centre for DNA Fingerprinting & Diagnostics, Inner Ring Road, Uppal, HYDERABAD 500039, Tel. 040-27216112(O), Fax: 27216006; Email: bashyam@cdfd.org.in
- BASLAS, R.K., M.Sc., Ph.D., D.Sc., Director, Higher Education, UP, PRAYAGRAJ- 211001
- BASU BAUL, TUSHAR SHUBHRA, Ph.D., Professor & Head, Deptt. of Chemistry; and Sophisticated Analytical Instruments Facility, North Eastern Hill University, NEHU Campus, SHILLONG- 793022, Res. Qr.No. P-31, NEHU Campus, Umshing, SHILLONG 793022, Tel. 0364-2722626(O), 09436118016(M), Email : basubaul@nehu.ac.in; basubaulchem@gmail.com
- BASU, RAJENDRA NATH, M.Sc., Ph.D., Scientist G & Head, Central Glass & Ceramic Research Institute, 196, Raja S.C. Mullick Road, KOLKATA-700032, Res. 'Sirsa', Block I, Flat 7A, 59 Lake Road, KOLKATA 700029, Tel. 033-24733469 Ext. 3057(O), 24639494(R), 09433041350(M); Fax: 24730957; Email:rajenbasu54@gmail.com

**BASU, SHYAMAL KUMAR,** M.B.B.S., M.S., F.Z.S., F.R.S.T., M & H., C.Sp.Med., Professor of Anatomy, Burdwan Medical College, P.O. & Distt. BURDWAN - 713104

- BATCHU, VENKATESWARA RAO, Ph.D., Former Chief Scientist,Organic Biomlecular Chemistry Division (FCL, 1 Floor), Indian Institute of Chemical Technology, Tarnaka, HYDERABAD-500607, Res. Flat No. 205, Park View Residency, 4-1-216/269 St. No.8, Karthikeya Nagar, NACHARAM, HYDERABAD 500076, Tel. 040-27193003(O), 27170767(R), 09848562850(M); Fax : 27193003; Email: venky@iict.res.in
- **BATRA, AMLA,** M.Sc., Ph.D., Associate Professor of Botany, University of Rajasthan, D-49, Subhash Marg, C-Scheme, JAIPUR 302001
- **BEDEKAR, ASHUTOSH VASANT**, MSc, PhD, Professor, Department of Chemistry, Faculty of Science, MS University of Baroda, VADODARA 390002, Tel. 0265-2795552(O), 2356498(R), 09898530266(M); Email: avbedekar@yahoo.co.in
- **BEDI, RATISH KUMAR,** M.Sc., Ph.D., Professor, Department of Physics, Guru Nanak Dev University, AMRITSAR 143005, Res. C-3, Guru Nanak Dev University, AMRITSAR 143005, Tel. 0183-225880-2-09 Ext.3344(O), 2257620(R); 9814729284(M), Fax: 2258820, Email: rkbedi@rediffmail.com
- **BEHARI, JAI RAJ,** M.Sc., D.Phil., Formerly Scientist 'F', Indian Institute of Toxicology Research, Res. D-1095 Indira Nagar, LUCKNOW 226016, Tel. 0522-2351633, 09415769089(M); Email: himavais@yahoo.co.in
- **BEHARI, JITENDRA,** Ph.D., F.U.S.I., F.I.E.T.E., S.M.I.E.E.E., Professor, School of Environmental Sciences, J.N.U., 104, Uttarakhand, J.N.U. New Campus, NEW DELHI 110 067
- **BEHARI, KUNJ**, D.Phil., D.Sc., Professor, Department of Chemistry, Allahabad University, PRAYAGRAJ 211 002
- BEHARI, SANJAY, MBBS, MS, MCh, DNB, Professor, Department of Neurosurgery, Sanjay Gandhi P.G. Institute of Medical Sciences, Rae Bareli Road, LUCKNOW 226014, Res. Type V/4, New Campus, SGPGI, LUCKNOW 226014, Tel. 0522-2494741(O), 09839319400, 08004904442(M); Email: sbehari@sgpgi.ac.in, sbehari27@yahoo.com
- BELMANNU, RAMESH ACHARYA, M.Sc., B.Ed., Junior Officer, Shipping Corp. of India Ltd., 245 Madame Cama Road, MUMBAI 400021
- BERA, SUBIR, Ph.D., Professor & Program Coordinator, UGC-CAS (Phase-VII), Department of Botany, University of Calcutta, 35, Ballygunge Circular Road, KOLKATA 700019; Res. 17H, East Road, Jadavpur, KOLKATA 700032; Tel. 033-24614959 Ext. 297(O), 24723805(R), 09831750553(M); Fax: 24764419; Email: berasubir@yahoo.co.in, sbbot@caluniv.ac.in
- BHADRA, UTPAL, Ph.D., Deputy Director, Wellcome Trust Fellow, Young Investigator, HFSP, Centre for Cellular & Molecular Biology, Uppal Road, HYDERABAD 500007; Res. 12-13-645/D, Nagarjuna Nagar, Tarnaka, HYDERABAD -500017, Tel. 040-27192513(O), 27158011(R), 09177010110(M); Fax: 27160591; Email: utpal@ccmb.res.in
- BHAGAT, KRISHAN CHAND, PhD, FIAE, FPPAI, FASI, FAEB, FACE, Associate Professor-cum-Senior Scientist, Div. of Entomology, S.K.University of Agricultural Sciences & Technology, R.S. Pura/Shalimar, J&K.; Res. Sant Kabir Ashram Road, W.No. 13/62, P.O. Ashnoor, Tehsil Akhnoor Distt. Jammu 181201; Tel. 01923-25042(O), 01924252671(R)

BHAGAT, RAM PRAVESH, M.Tech., Ph.D., Chief Scientist, Mineral Processing Division, CSIR-National Metallurgical Laboratory, JAMSHEDPUR - 831007, Tel. 0657-2349007(O), 2345053(R), 09934326585(M); Fax: 2345213; Email: rpb@nmlindia.org, rampravesh 1954@yahoo.co.in

- BHAGWAT, AMEEYA ASHOK, Ph.D., Reader F, UM DAE CBS, Health Centre Building, University of Mumbai, Kalina Campus, MUMBAI 400098, Res. 167, D-1, Poonawadi, Dr. Ambedkar Road, Dadar, MUMBAI 400014, Tel. 022-26524983(O), 24144179(R), 09819523985(M); Fax: 26524982; Email: ameeya@cbs.ac.in
- BHAKTA, C., Deptt of Chemistry, Magadh University, GAYA
- BHALLA, J.K., M.Sc., Ph.D., Formerly Professor & Head, Department of Botany, Osmania University, HYDERABAD 500007, Res. 12-13-271, Tarnaka, SECUNDERABAD 500017, Tel. 040-27019334(R), 09849270698(M)
- BHALLA, TEK CHAND, M.Sc., M.Phil., Ph.D., Professor, Department of Biotechnology, Himachal Pradesh University, Summer-Hill, SHIMLA 171005, Tel. 0177-2831948, 2832154(O), 2830573(R), Fax: 2831948, 2832154; Email: bhallatc@rediffmail.com
- BHANDARI, NITA, MBBS, Ph.D., Joint Director, Society for Applied Studies, 384, Chirag Delhi, New Delhi 110017; Res. B-10, Soami Nagar, New Delhi 110017; Tel. 011-26014136, 26016599(O), 26013098(R), 09899144123(M); Fax: 26016449; Email : community. research@cih.uib.no
- BHANDARI, R.C., M.Sc., Ph.D., Professor of Physics, (Retired) 93, Jai Jawan Colony, Scheme I, Tonk Road, JAIPUR 302018, Tel. 0141-2554594, 09829409080(M)
- BHANDARI, RAKESH KÙMAR, Ph.D., Hon. Visiting Scientist, Inter University Accelerator Centre, Aruna Asaf Ali Marg, NEW DELHI 110067; Tel. 011-24126022 Ext.330(O), 09910049016(M), Fax : 24126036; Email : rakeshbhandari808@gmail.com, bhandari@iuac. res.in
- **BHANOT, V.B.,** Ph.D., Professor Emeritus, Department of Physics, Punjab University, CHANDIGARH -14; Res. 1269, Sector 34B, CHANDIGARH; Tel. 0172-2661244(R)
- BHARADWAJ, SABHAPATI DWIVEDI, M.Sc., Ph.D., B.Lib.Sc., FBS, FPSI, FPEA, Reader in Botany, K.B. Post Graduate College, Kashipuram, Kotghat, Narghat, MIRZAPUR 231001, Tel. 05442-64645(O), 65264(R)
- BHARATAM, V. PRASAD, Ph.D., FRSC, FASC, Professor, Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research, SAS NAGAR 160062; Res. Type VI/11, NIPER Campus, SAS NAGAR 160062; Tel. 0172-2292018(O), 2233729(R), 09417503172(M); Fax: 2214692; Email: pvbharatam@niper.ac.in
- BHARATE, SANDIP BIBISHAN, PhD, FRSC, FMASc, Senior Principal Scientist & Professor (AcSIR), Dept. of Natural Products & Medicinal Chemistry, CSIR-Indian Institute of Chemical Technology, Tarnaka, HYDERABAD 500007; TELANGANA; Tel. 09419209140(M); Email: sbharate@iict.res.in; sandipbharate@gmail.com
- BHARATH, M.M. SRINIVAS, Professor & Head, Department of Clinical Psychopharmacology and Neurotoxicology, National Institute of Mental Health & Neurosciences, No. 2900, Hosur Road, BANGALORE 560029, Tel. 080-26995113(O), 26576801(R), 09341803684(M); Fax: 26564830; Email: bharath@nimhans.ac.in; thathachar@rediffmail.com;

**BHARDWAJ, AMBRISH CHANDRA,** MSc,Ph.D., Reader & Head, PG Dept. of Zoology, S.D. College, Bhopa Road, MUZAFFARNAGAR - 251001

- BHARDWAJ, RAJNEESH, PhD, Associate Professor, Mechanical Engineering Dept., Indian Institute of Technology Bombay, Powai, MUMBAI 400076, Tel. 022-25767534(O), 25768534(R), 09920127534(M); Fax: 25726875; Email: rajneesh.bhardwaj@iitb.ac.in
- BHARGAVA, PARAG, Associate Professor, Metallurgical Engg. & Materials Science Dept., IIT Bombay, Powai, MUMBAI 400076; Res. C-79, Bldg. 13, IIT Bombay, Powai, MUMBAI 400076; Tel. 022-25767628(O), 25768628(R), 09869131017(M); Fax: 25767602; Email: pbhargava@iitb.ac.in
- BHARGAVA, RAMA, M.Sc., Ph.D., Professor, Department of Mathematics, Indian Institute of Technology, ROORKEE 247667, Res. Bhargava Nursing Home, Station Road, ROORKEE, Tel. 01332-285039(O), 272179(R), 08476989932(M); Email: rbharfma@iitr.ac.in
- BHASIN, ANJU, M.Sc., Ph.D., Professor, Department of Physics, University of Jammu; Res. 34D c/c Gandhi Nager, JAMMU; Tel. 0191-2436804(O), 2433629(R), 09419181423(M); Email: anju.bhasin@cern.ch
- BHAT, MOHD ALTAF, PhD, Assistant Professor, Centre for Interdisciplinary Research & Innovations, University of Kashmir, Hazratbal, SRINAGAR 190006, Tel. 0194-2272096(O), 09797862135(M); Email: altafbhat@uok.edu.in
- **BHAT, R. BALAKRISHNA,** M.Sc., Ph.D., Head, Department of Biology, Jawaharlal College, Patnagarh, ORISSA 767025
- BHAT, SUBRAY NARAYAN, Ph.D., Formerly Professor, NEHU, H.No. 30, 7th B Main, Muthyala Nagar, Bandappa Gardens, BANGALORE 560054, Tel. 080-23379834(R), 09449069834(M), Email: snbnehu@yahoo.com
- BHATI, D.P. SINGH, M.Sc., Ph.D., F.A.Z., 2/95 Khandari Road, Civil Lines, AGRA
- BHATIA, ARVIND LAL, M.Sc., Ph.D., Professor & Hony. Director of Life Sciences, Department of Zoology, University of Rajasthan, JAIPUR 302055; Res. 301-Mangalam; C-8 Jagraj Marg, Bapu Nagar, JAIPUR-302055; Tel. 0141-2711158(O), 2711304(R); Email: armbha@gmail.com; arvindlalbhatia@yahoo.com
- BHATNAGAR, ASHISH, PhD, Assistant Professor, JIIT Noida, N1-102, Jaypee Aman, Sector 151, GREATER NOIDA 201310, Tel. 0120-2400383(O), 07355903963, 09451155587(M); Email : ashishbhatnagarbhu@gmail.com;
- BHATNAGAR, BRIJRAJ SWARUP, M.Sc., Ph.D., Former Reader & Head of Zoology, VSM College of Science, Bharwari; Res. Lakhan Lal Colony, Karari Road, Bharwari 212201, KAUSHAMBI, Tel. 05331-222255(R), 09415264926(M)
- **BHATNAGAR, DEEPAK,** M.Sc., Ph.D., FIETE, SMIEEE, Former Professor & Head of Physics Department, University of Rajasthan, Jaipur; Res. 56/97, Rajat Path, Mansarovar, JAIPUR 302020, Tel. 09828088002 (M); Email: dbhatnagar2010@gmail.com
- BHATNAGAR, MAHEEP, PhD, DPRMS(London), FIANs, WCMB(France), FNESA, FSSE, Rtd. Professor & Head, Department of Zoology, M.L.S. University, UDAIPUR 313001; Res. Apt #707, Hitawala Tower, Near Celebration Mall, Bhuvana Road, UDAIPUR 313001, Tel. 09414165750(M), Email: m.maheep@gmail.com

BHATNAGAR, PRADEEP, M.Sc., Ph.D., FAEB, FST, Professor & Dean, Faculty of Science, The I.I.S. University, Gurukul Marg, S.F.S., Mansarovar, JAIPUR- 302020, Tel. 0141-2400160-61(O), 2710380(R), 09982600020, 09928083949(M), Fax: 0141- 2395494, Email: pradeepbhatnagar1947@rediffmail.com or yahoo.com

- BHATNAGAR, PREM SWARUP, M.Sc.(Phy.), M.Sc.(Elec.), M.S., Ph.D., Director, B.K., Birla Institute of Engineering & Technology, PILANI-333031; 01596-242747(O), 09414062510(M); Email: psbkbiet@rediffmail.com
- **BHATNAGAR, R.P.,** Ph.D., BH-87 Deen Dayal Nagar, Maharajpura, GWALIOR 20
- **BHATNAGAR, SANDEEP,** M.Sc.(Ag.), Asstt. Professor, 5-B, Lowther Road, Darbhanga Castle, PRAYAGRAJ
- BHATNAGAR, VIJAY SWARUP, M.Sc., D.Phil., Formerly Reader, Zoology Department, Allahabad University; Res. 23/3 Master Zahurudin Road, PRAYAGRAJ - 211002
- BHATT, ARVIND KUMAR, Ph.D., Professor, Department of Biotechnology & Dean Planning & Teachers Matters, Himachal Pradesh University, Summerhill, SHIMLA 171005; Tel. 0177-2831948, 2833705(O); Fax: 2832153: Email: bhtarvind@vahoo.com
- **BHATT, DEVAVRATTA CHANDRA S.,** M.Sc., Ph.D., Lecturer in Marine Sciences, Bhavnagar University, 2237, A/2 Gayatri Kripa, Hill Drive, BHAVNAGAR- 364002
- BHATT, H. VENKATAKRISHNA, M.Sc., Ph.D.(CSSR), Ph.D.(Gujarat), FIC, FST, FAEB, FZS, FAMS, Dy Director & Head, Department of Neurobehavioural Toxicology, NIOH(ICMR); Block 2, Flat 13, Suramya Apartments, Near Sola Road PO, Opposite to Mirambika Street, Near Naranpura Telephone Exchange, AHMEDABAD 380063, Tel. 79-2867351-52, 2866237, 2865420, 2865530, 2866842; Fax: 2866630; Email: niohahd@adl.vsnl.net.in
- BHATT, INDRA DUTT, Ph.D., Scientist E, GB Pant Institute of Himalayan Environment & Development, Kosi-Katarmal, ALMORA 263643, Res. Type IV-5, GBPIHED Colony, Kosi-Katarmal, ALMORA 263643, Tel. 05962-241041(O), 09411703802(M); Fax: 241150; Email: id\_bhatt@yahoo.com; idbhat@gbpihed.nic.in
- BHATT, SHRI NIWAS, D.Phil., 57, H.I.G., Mumfordganj, PRAYAGRAJ 211
- BHATTACHARJEE, SUBHRO, PhD, Associate Professor, International Centre for Theoretical Sciences, Survey No. 151, Shivakote, Heseraghatta Hobli, BANGALORE 560089, Tel. 080-46536250(O), 09535488137(M); Email: subhro@icts.res.in;
- BHATTACHARYA, AMRITA, PhD, Associate Professor, Department of Metallurgical Engineering & Material Science, Academic Unit, IIT Bombay, Powai, MUMBAI 400076, Tel. 022-25767620(O), 09930557620(M); Email: b\_amrita@iitb.ac.in; b\_amrita10@gmail.com
- BHATTACHARYA, JAYANTA, Ph.D., Associate Director, HVTR Laboratory, Translation Health Science & Technology, NCR Biotech Science Cluster, 3<sup>rd</sup> Milestone, Faridabad-Gurgaon Expressway, FARIDABAD 121001, Tel. 0129 2876307(O), 09560018432(M); Email: bhattacharya.jayanta@gmail.com

**BHATTACHARYA, PARITOSH,** PhD, Associate Professor, Department of Mathematics, NIT Agartala, JIRANIA-799046, WEST TRIPURA, Tel. 8974060361(M); Email: pari76@rediffmail.com

- BHATTACHARYA, S., Ph.D., Professor, Department of Chemistry, UGC Centre of Advanced Study in Chemistry, Banaras Hindu University, VARANASI 221005, Tel. 0542-6702451(O), 09415812570(M); Email: bhatt99@yahoo.com; s\_bhatt@bhu.ac.in
- BHATTACHARYA, SASWATA, PhD, Associate Professor, Department of Physics, Indian Institute of Technology, Delhi, Hauz Khas, NEW DELHI 110016, Tel. 011-26591359(O), 09999892747, 08800512348(M); Email: saswata@physics.iitd.ac.in
- BHATTACHARYA, SUMANTA, PhD, Professor, Department of Chemistry, The University of Burdwan, Golappag, BURDWAN 713104, Tel. 033-26311113(R), 09433962777, 09831058780(M), Email : sbhattacharya@chem.buruniv.ac.in
- BHATTACHARYYA, KAUSTAVA, PhD, Scientific Officer G, 3-153-S, Modular Laboratory, Chemistry Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-69293219(O), 25581205(R), 09819081200(M); Fax : 25505151; Email : kaustava@barc.gov.in
- BHATTACHARYYA, RAMGOPAL, M.Sc., Ph.D., C.Chem., FRSC(London), F.A.Sc.T., Professor of Chemistry, 212, Jadavpur University, Housing Co-op. Complex, Panchasayar, CALCUTTA 700094, Tel. 033-413-7902; Fax: 473-1484; Email: rgb@jufs.ernet.in, rbchem@juphys. ernet.in
- BHATTACHARYYA, SUDIP, Ph.D., Associate Professor, DAA, Tata Institute of Fundamental Research, 1 Homi Bhabha Road, Colaba, MUMBAI 400005; Res. 409, Bhaskara, TIFR, 2 Homi Bhabha Road, Colaba, MUMBAI–400005; Tel. 022-22782925(O), 22783511(R), 09594308277 (M); Fax: 22804610; Email: sudip@tifr.res.in
- BHIDE, S.A., M.Sc., Ph.D., Lecturer, Department of Zoology, Institute of Science, NAGPUR
- **BHIWANIA, RAKESH CHANDRA,** B.Sc.(Hons.), Chief Executive, S.R. Marketing Corporation, 47, Pandariba, LUCKNOW 226019
- BHONDE, RAMESH RAMCHANDRA, M.Sc., Ph.D., Scientist 'D', National Centre for Cell Science, 40/32 Erandawana, Gopal Kripa, Bhonde Colony, PUNE 411004, Tel. 020-5670931/41/51/61, 5658605, 5672256, 5672257(O); Fax: 5672259; Email: infonccs@giaspn01.vsnl.net.in
- BHORASKAR, VASANT NAGESH, M.Sc., Ph.D., Professor, Department of Physics, University of Pune, PUNE - 411 007
- BHOSÁLE, SIDHANÁTH VISHWANATH, Senior Scientist, Polymers & Functional Materials Division, CSIR-Indian Institute of, Chemical Technology, HYDERABAD 500007, Tel. 040-27191474(O), 27172426 (R), 09490065673(M); Fax: 27193991; Email: bhosale@iict.res.in;
- BIHARI LAL, M.Sc., D.Phil., Formerly Professor & Head, Botany Department, Allahabad University, PRAYAGRAJ; Res. 403, Four Flore, Sonal Apartment, 36, A.N. Jha Marg, George Town, PRAYAGRAJ 211002; Tel. 09335112923, 09336266820(M)
- BIJU, AKKATTU T., Ph.D., Associate Professor, Department of Organic Chemistry, Indian Institute of Science, BANGALORE 560012; Res. HE-362, IISc Campus, Indian Institute of Science, BANGALORE 560012, Tel. 080-22932646(O), 08390689225(M); Fax:23600529; Email: atbiju@iisc.ac.in

BILGRAMI, RAGHUPATI SAHAI, M.Sc., Ph.D., F.P.S.I., S.P.R., Formerly Professor of Botany, Bihar University; Res. 'YAAJAN DEEP', Villa No. 250, Daady's Gaarden, Kammsandra Cross, Electronic City, Hebbaguri, BANGALORE – 560100; Tel. 080-27849032, 09480741215(M); Email: rsbilgrami@yahoo.co.in

- BIRADAR, ASHOK M., Ph.D., Chief Scientist (Sr. 'G'), National Physical Laboratory, Dr. K.S. Krishnan Road, NEW DELHI 110012; Res. IInd Floor, 46/6, East Patel Nagar, NEW DELHI 110008; Tel. 011-45608569(O), 25735722(R), 09213609238(M); Fax: 45609310; Email: abiradarnpl@gmail.com
- BIRADAR, DIGAMBAREPPA PANDAPPA, Ph.D., Professor (Agronomy) & Editor, Publication Centre, University of Agril. Sciences, DHARWAD 580005; Res. H.No. 6, Madhuban, Malaprabhanagav, DHARWAD 580008; Tel. 0836-2748748(O), 2440403(R), 09448497358(M); Fax: 2748199; Email: dpbiradar@yahoo.com
- **BIRADAR, NAGNATH VAIJNATHRAO,** M.Sc., Ph.D., Formerly Professor & Head, Botany Deptt., Poona University, 4, Namratali Apt., D.P. Road, Aundh, PUNE 411007
- **BISARIA, A.K.,** M.Sc., Ph.D., Scientist Head, Section of Plant Physiology, Jute Agricultural Research Institute, BARRACKPORE, WB
- BISOI, PURNA CHANDRA, M.V.Sc, Ph.D., Head, Deptt. of Biochemistry, Orissa Veterinary College, BHUBANESWAR 751003, Tel. 0674-Duat PBX 2402970 Ext.173(O), 2563438(R)
- BIST, HARI DATT, M.Sc., Ph.D., Formerly Professor, Centre for Laser Technology, IIT, Kanpur; 14/35 G.B. Pant Marg, P.O. Bhotia Parao, HALDWANI 263139 (UTTARANCHAL)
- BISWAL, SADASIVA, M.Sc., Ph.D., Retired Principal, Former Professor of Physics, Suddhananda Engineering and Research Center, BHUBANESWAR, Res. G.A.Plot No. 506, Kalinga Nagar,Bharatpur, BHUBANESWAR-751003, 09437467474(M); Email: dr.sadasivabiswal @ymail.com
- BISWAS, DEBASIS, MBBS, MD, PDC, Professor, Department of Microbiology, GF, Medical College Building, AIIMS Bhopal, Saket Nagar, BHOPAL 462020, Tel. 0755-2672328(O), 2980016(R), 07747010312(M); Email: debasis.microbiology@aiimsbhopal.edu.in
- BISWAS, JYOTIRMAY, MS(Opth.), FMRF, FNAMS, FIC Path, FAICO, Director of Uveitis & Ocular, Pathology Department, Sankara Nethralaya, Old No.41, NewNo.18, College Rd, Nungambakkam, CHENNAI 600006, TN, Tel. 09841428151(M); Fax: 044-282504180; Email: drjb@snmail.org
- BISWÁS, KAJAL KUMAR, PhD, Principal Scientist, Plant Pathology (Plant Virology), Division of Plant Pathology, ICAR-Indian Agricultural Research Institute, Pusa Campus, NEW DELHI 110012, Tel. 09868796694(M), Email: drkkbiswas@yahoo.co.in; kkbiswas@iari.res.in
- BORA, UPENDRA NATH, Dy. S.P., Police Training College, ASSAM
- BOSE, SANGITA, PhD, Associate Professor, School of Physical Sciences, UM-DAE CEBS, Mumbai University, Kalina, Santacruz (E), MUMBAI 400098, Tel. 022-22783201(R), 09867001397(M); Email: sangita@cbs.ac.in
- BOSE, SUKANTA, PhD, Professor, Inter University Centre for Astronomy & Astrophysics, Akashganga 9, IUCAA Housing Colony, Pune University Campus, Aundh Road, PUNE 411007, Tel. 020-25604100, 25604500(O), 09819863224(M), Fax : 25604699, Email : sukanta@iucaa.in

BOSE, SURYASARATHI, Ph.D., Associate Professor, Department of Materials Engineering, Indian Institute of Science, BANGALORE - 560012, Res. HE 223, Block 2, IISc Campus, BANGALORE - 560012, Tel. 080-22933407(O), 23510796(R), 08197998449(M); Email: bose154 @gmail.com

- BRARŬ, P.N., MSc, Ph.D., Lecturer in Botany, P.G.V. College, GWALIOR 1 BRETENAKER, FABIEN, PhD, Director, Lumiere, Matiere Et, Interfaces (LuMLn), ENS Paris-Saclay, 4 Avenue Des Sciences, 91190 Gif-Sur-Yvette, Tel. +33-1-81875582(O), 39670944(R), +33681340776(M), Email : fabien.bretenaker@universite-paris-saclay.fr
- **BUCH, V.B.,** M.Sc., Professor of Mathematics, Bhavnagar University, D-325 Sri Ramnagar Talaja Road, BHAVNAGAR 364002, Tel. 0278-470239(R)
- **BUSCHMAN**, R.G., M.A., Ph.D., Professor of Mathematics, University of Wyoming, Laramie, Wyoming, 82071 USA
- CALLÁ, OM PRAKASH NARÁYAN, BE,ME, Dy.Director, SCA & Prog. Director, MRSP, Space Applications Centre (ISRO), AHMEDABAD 380053
- CAMEOTRA, SWARANJIT SINGH, Ph.D., FAMI, FNESA, FSAB, FNABS, Professor ACSIR, Senior Principal Scientist, Institute of Microbial Technology, Sector 39A, CHANDIGARH 160036, Res. 1103, Sector 11C, CHANDIGARH 160011, Tel. 0172-6665223, 6665224(O), 6570391, 2747470(R), 09041036750, 09888146750(M), Fax: 2690632, 2690585, Email: ssc@imtech.res.in, swaranjitsingh@yahoo.com
- CAMMAROTO, FILIPPO, Dr.-In-Mathematics, Asstt. Professor, University Di, Messina Instituto Di Mathematica, Via C.Battisti 98100 MESSINA, ITALIA
- CAPOOR, V.N., PhD, FHS,FZSI, FAZ, Emeritus Fellow, Formerly Professor of Zoology, Allahabad University; C-221 Sheikh Sasai Phase I, NEW DELHI - 110017
- **CHAHAL, DAVINDER SINGH,** M.Sc., Ph.D., Asstt. Professor, Botany & Plant Pathology Dept., Punjab Agricultural University, LUDHIANA
- CHAHAL, SARBJIT SINGH, M.Sc., Ph.D., Professor, Department of Plant Pathology, Punjab Agricultural University, LUDHIANA 141004
- CHAIRA, TAMALIKA, PhD, Associate Professor, Department of Computer Science, Northcap University, GURUGRAM, HARYANA; Tel. 07838976484(M); Email: tchaira@yahoo.com
- CHAKRABARTI, ABHIJIT, Ph.D., Crystallography & Molecular Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, KOLKATA 700064, Res. Saurav Abasan, ED Block, Flat # A15, Salt Lake, KOLKATA 700091, Tel. 033-23370379(O), 23377300(R), 09831055624 (M), Fax: 23374637, Email: abhijit.chakrabarti@saha.ac.in
- CHAKRABARTI, ANIL KUMAR, M.Sc., Ph.D., FIC CC (India), Visiting Teacher and Scientist, Deptt. of Inorganic and Analytical Chemistry, Analyst/Visiting Scientist, School of Environmental Studies (SOES), Jadavpur University, CALCUTTA 700032, Department of Inorganic Chemistry, 2 Maharaja Tagore Road, Calcutta 700031; Tel. 033- 2867-1181(chem.dept), 2473-5176, 2412-3227(R); Fax: 2473-1484/2414-6266(SOES,JU)
- CHAKRABARTI, SAMIRAN, M.Sc., Ph.D., F.Z.S., F.E.S.I., F.A.S.I., F.Z.S.I., F.A.Sc.T.Professor (Retd) Department of Zoology, University of Kalyani, KALYANI 741235, Res.32/B, Green Park, BELGHORIA, KOLKATA-700056, Tel. (033) 25536636(R), 91 9432323192 (M) Email: chakrabarti32b@gmail.com

CHAKRABORTI, ASIT KUMAR, Ph.D., FRSC, FASc, FNA, Former Professor & Head of Medicinal Chemistry, NIPER; Visiting Professor, Department of Chemistry, IIT Ropar, Punjab 140001; Tel. 09417770515(M); Email: chakrabortiak@iitrpr.ac.in; akchakraborti@niper.ac.in, akchakraborti@rediffmail.com

- CHAKRABORTY, AJITA, M.Sc., Ph.D., Professor & Head, Department of Chemistry, Govt. Girls P.G. College, BILASPUR 495001
- CHAKRABORTY, DEBJANI, Ph.D., Professor, Dept. of Mathematics, Indian Institute of Technology, KHARAGPUR 721302; Res. B 222, IIT KHARAGPUR 721302; Tel. 03222-283638(O), 283639(R), 09434610298(M); Fax: 255300; Email: debjani@maths.iitkgp.ac.in; drdebjanic@gmail.com
- CHAKRABORTY, HARI SANKAR, M.Sc., Ph.D., Formerly Professor of Mathematics, Kalyani University, Kalyani; Res. 11 Nivedita Sarani, Garfa, Kolkata 700075; Tel. 033-2418-1246(R)
- CHAKRABORTY, KOUSHIK, PhD, Senior Scientist, Plant Physiology, Division of Crop Physiology & Biochemistry, ICAR-National Rice Research Institute, Bidyadharpur, CUTTACK 753006, Tel. 0671-2367768 Ext. 2269(O), 7960366(R), 07008513034(M); Fax: 2367663; Email: koushikiari@gmail.com; koushik.chakraborty@icar.gov.in
- CHAKRABORTY, KUNAL, PhD, Scientist E, Indian National Centre for Ocean Information Services, MoES, Pragathi Nagar (BO), Nizampet (SO), HYDERABAD 500090, Tel. 040-23886080(O), 48518046(R), 09866132085(M); Fax : 23895001; Email : kunal.c@incois.gov.in; kcincoishyb@gmail.com
- CHAKRABORTY, SAKTI KANTA, M.Sc., Ph.D., Formerly Professor of Mathematics, Burdwan University, CK-238, Salt Lake, CALCUTTA 700091, Tel. 033-23590738(R), 09433879173(M), Email: sakti05@gmail.com
- CHAKRABORTY, SUBENOY, Ph.D., D.Sc., Professor, Department of Mathematics, Jadavpur University, KOLKATA 700032, Tel. 033-24146717(O), 09433356784(M); Email: schakraborty.math@gmail.com, subenoy.chakraborty@jadavpuruniversity.in
- CHAKRAVARTY, D.N., D.Phil., Gen. Works Manager, Union Carbide India Ltd., Agricultural Product Division, Berasia Road, BHOPAL
- CHAKRAVARTY, P.P., Tulsi Nagar, BHOPAL
- CHAKRAVARTY, RUBEL, PhD, Scientific Officer G, Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Tromaby, MUMBAI 400085, Tel. 022-25590624(O), 07506376728, 09869848214(M); Fax: 25505151; Email: rubelc@barc.gov.in, rubelchakravarty@gmail.com
- CHAKRAVORTY, JOGENDRA NATH, M.Sc., Ph.D., Minst.P.(LON), Head of the Deptt. of Physics, Rama Krishna Mission Residential College, P.O. Narendrapur, 24 PARGANAS (WB)
- CHAKRAWARTI, PURUSHOTTAM B., M.Sc., Ph.D., Formerly Professor, A-252, Shahpura, BHOPAL 462016, Tel. 0755-426073
- CHAKU, BANSI LAL, M.Sc., Ph.D., F.R.G.S., Formerly HOD, Dept. of Geography, Govt. M.A.M. College, JAMMU; Res. 50, Mohinder Nagar, Canal Road, JAMMU 180001; Tel. 0191-2555407(R)
- CHAMOLA, BHAGWATI PRASAD, PhD, Professor, Department of Mathematics, Jaypee Institute of Information Technology, A-10, Sector 62, NOIDA 201309, Tel. 0120-2594344(O), 09971968349(M); Email: b\_prasad10@yahoo.com; bhagwati.prasad@jiit.ac.in

CHAND, NAVIN, M.Sc., Ph.D., Former Act. Director, Professor, AcSIR, Advanced Materials and Processes Research Institute (AMPRI), Habibganj Naka, BHOPAL - 462026, Tel. 0755-2418734, Email: navinchand15@yahoo.co.in

- CHAND, PRADEEP KUMAR, M.Sc., Ph.D., Reader in Botany, Utkal University, Qr.No. C.F. 58, Utkal University Campus, Vanivihar, BHUBANESWAR 751004
- CHANDEL, R.C. SINGH, Ph.D., Reader & Head, Department of Mathematics, D.V.Post Graduate College, ORAI 285001
- CHANDRA, AMARESH, M.Sc., Ph.D., Principal Scientist & Former Head, Division of Plant Physiology & Biochemistry, ICAR-Indian Institute of Sugarcane Research (IISR), Raebareli Road, LUCKNOW 226002, Res. D2-301, Akash Enclave, RB Road, Teli Bagh, LUCKNOW 226029, Tel. 0522-2491872(O), 09450041285(M); Fax: 2480738; Email: amaresh62@yahoo.com, amaresh.chandra@icar.gov.in
- CHANDRA, AMITA, M.Sc., Ph.D., Professor, Department of Physics & Astrophysics, University of Delhi, DELHI 110007, Email: amitach1 @yahoo.com, achandra@physics.du.ac.in
- CHANDRA, HEM, MBBS, MHA, MPhil, PhD, DLitt, FRCP (Glasgow), FRCP (Edinburgh), FIMA, FIMSA, FAHA, Vice-Chancellor, HN Bahuguna Uttarakhand Medical Education University, 4th Floor, Administrative Block, Govt. Doon Medical College Campus, Dehrakhas, Patel Nagar, DEHRADUN 248001; Tel. 1352-723321-23(O),09451904416(M), Fax: 2723323;Email:hchandra555@gmail.com,vchnbumu@gmail.com, info.hn bumu@gmail.com
- CHANDRA, MAITREY, M.Sc., D.Phil., Asstt. Director, Institute for Science, Technology & Development Studies (CSIR), Hillside Road, NEW DELHI-110012
- CHANDRA, NAGASUMA, Ph.D., Professor, Department of Biochemistry, Indian Institute of Science, BANGALORE 560012; Tel. 080-22932892(O), 23492996(R); Email: nchandra@iisc.ac.in
- CHANDRA, NARESH, PhD, Director (Education), BK Birla College, Kalyan, 1/2 Ashok Kunj, Bhoirwadi, Near BK Birla College, KALYAN WEST 421304, DIST. THANE, MAHARASHTRA, Tel. 0251-2232930(O), 2230373(R), 09820888494(M); Fax: 2231029; Email: drchandra.naresh@gmail.com
- CHANDRA, PRANJAL, PhD, FICS, Associate Professor & Ramanujan Fellow, School of Biochemical Engineering, Indian Institute of Technology, BHU, Varanasi, VARANASI 221005, Tel. 07086021872, 07565809999(M); Email: pranjal.bce@iitbhu.ac.in; pranjalchandra13@gmail.com
- CHANDRA, PREM, Ph.D., D.Sc., F.V.P.I, Formerly Professor & Head, School of Studies in Mathematics, Vikram University, Ujjain; Res. C-315, Vivekanand Nagar, UJJAIN 456010; Tel. 0734-2560284(R), 09424014849(M); Email: premchandraujnn@yahoo.in
- CHANDRA, RAM, Ph.D., Professor, Head, Department of Environmental Microbiology, B.B. Ambedkar University, Vidya Vihar, Rae Bareily Road, LUCKNOW 226025, Res. 13/23, Vikas Nagar, Vikas Nagar, LUCKNOW- 226022, Tel. 0522-2998718(O), 09450652324(M); Email: prof.chandrabbau@gmail.com, rchandra@bbau.ac.in
- CHANDRA, RAMESH, M.Sc., M.Phil., Ph.D., FIC, Vice-Chancellor, Bundelkhand University, JHANSI 284128, Tel. 0517-320497(O), 320046(R), Fax: 320761(O), 320762(R), Email: acbrdu@hotmail.com

CHANDRA, RAMESH, MSc, PhD, Professor, Department of Physics, DSB Campus, Kumaun University, NAINITAL - 263002, Tel. 05942-237450(O), 231497(R), 09690681836(M); Fax : 237450; Email : rchandra.ntl@gmail.com

- CHANDRA, SUBASH, PhD, Senior Principal Scientist, 119 GB, National Geophysical Research Institute, Uppal Road, HYDERABAD 500007, Tel. 040-27012644(O), 09885460297(M); Fax : 23434651; Email : schandra75@gmail.com; schandra75@ngri.res.in
- **CHANDRA, SUBHASH,** National Physical Laboratory, Dr. K.S. Krishnan Marg, NEW DELHI 110012
- CHANDRA, SURESH, M.Sc., Ph.D., AvH Fellow (Germany), FRAS(London), FMAS(Pune), Dy Director & Professor, Amity Centre for Astronomy & Astrophysics, Amity Institute of Applied Sciences, Amity University, Sector 125, Noida–201313; Res. III-A/21, Vaishali, Rachna, Ghaziabad 201012; Tel. 09818005663, 09915519345(M); Email: schandra2@ amity.edu; suresh492000@yahoo.co.in
- CHANDRA, SURESH, M.Sc., Ph.D., Chief Scientist and Head, Genetic Resources & Agrotechnology, Indian Institute of Integrative Medicines, Canal Road, JAMMU TAWI-180001, Tel. 0191-2565169, 2569000-04, Ext. 221(O), 2580583(R), 09419134360(M); Fax: 2569019; Email: suresh chandra228@rediffmail.com, schandra@iiim.res.in
- CHANDRA, VIKASH, PhD, Senior Scientist, Division of Physiology & Climatology, ICAR-Indian Veterinary Research Institute, IZATNAGAR 243122, Tel. 0581-2301327(O), 09411423410(M); Email: vikashvet15@gmail.com;
- CHANDRA, VINOD, PhD, Associate Professor, Discipline of Physics, IIT Gandhinagar, Palaj Campus, Academic Block 5/330, GANDHINAGAR 382355, GUJARAT, Tel. 079-23952474(O), 23951474(R), 08238297196(M); Email: vchandra@iitgn.ac.in; joshi.vinod@gmail.com
- CHANDRAN, L. SUNIL, Ph.D., Assistant Professor, Computer Science & Automation, Indian Institute of Science, BANGALORE 560012, Tel. 080-22932907(O), 09880521790(M); Email: sunil@csa.iisc.ernet.in; sunil.cl@gmail.com
- CHANDRASEKAR, ANANTHARAMAN, M.Sc., Ph.D., Outstanding Professor, Department of Earth & Space Sciences, & Dean, (Academics), Institute of Space Science & Technology, Valiamata P.O., TRIVANDRUM 695547; Tel. 0471-2568636(O), 09400332924(M); Fax: 2568462; Email: chandra@iist.ac.in
- CHANDRASEKARAN, RAJASEKARAN, MSc, DPhil, FSEDI, FRSB(UK), FLS(Lon), FISPP, FASCh, FNABS, Professor, Dept. of Biotechnology, School of Biosciences and Technology, Vellore Institute of Technology (VIT), VELLORE 632014, TN, Tel. 0416-2202542(O), 2205305(R), 09442994888(M); Email: drcrs70@gmail.com, crajasekaran@vit.ac.in
- CHANDRASEKARAN, RAMASAMI, M.Sc., M.Phil., Lecturer in Zoology (S.G.), Raja Serfoji Govt. College, THANJAVUR 613005, Tel. 04362-35647
- CHANDRASHEKAR, C.M., PhD, Professor G, Institute of Mathematical Sciences, CHENNAI 600113; and Adjunct Professor, Department of Instrumentation and Applied Physics, Indian Institute of Science, CV Raman Road, BENGALURU 560012, Tel. 044-22543321(O), 09566000369(M); Email: chandracm@iisc.ac.in; chandru@imsc.res.in

CHANDRAWAT, MAHENDRA PRATAP SINGH, M.Sc., Ph.D., Director – Applied Sciences; Eternal University (HP), Res. Kohi Dashehara, via-Munshi Bazar, ALWAR - 301001; Tel. 0144-2342899(R); 09829805109, 09805098708(M); Email: chandrawatmps@yahoo.com, mpschandrawat 21@gmail.com

- CHARY, S.K. SREERANGA, M.Sc., Professor, I/C Library, Birla Institute of Technology, Mesra, RANCHI 835215
- CHASKAR, ATUL CHANGDEV, MSc, PhD, Associate Professor, UoM, Mangalmurti Tower, B-703, Sector-11, Plot-03, Khanda Colony, New Panvel (W), Dist-Raigad 410206, MH, Tel. 07507375261(M); Email: achaskar25@gmail.com; achaskar@nano.mu.ac.in
- CHATTERJEE, DIBYENDU, PhD, Senior Scientist, Soil Science, Crop Production Division, ICAR-National Rice Research Institute, CUTTACK 753006, ODISHA, Tel. 0671-2367768-83/2367757 Ext.2325(O), 9875558173, 8763478193(M), Fax : 2367663; Email : dibyendu.chatterjee@icar.gov.in; dibyenducha@gmail.com
- CHATTERJEE, KAMALESH, M.Sc., Ph.D., Professor of Zoology, N.E.Hill University, SHILLONG 793014
- **CHATTERJEE, RAHUL S.,** Assistant Lecturer, Jail Road Boys' Hr. Secondary School, Jail Road, SHILLONG 793001
- CHATTERJEE, SHYAMAL, Associate Professor, Room No. 120, School of Basic Sciences, IIT Bhubaneswar, Jatni, Khordha, BHUBANESWAR 752050, Tel. 09938245478(M); Email : shyamal@iitbbs.ac.in; c.shyamal@gmail.com;
- CHATTERJEE, SUPARNA, Professor, Department of Pharmacology, Institute of PG Medical Education & Research, 244 B, AJC Bose Road, KOLKATA 700020, Tel.033-22041428(O),2556286(R), 09831130980 (M); Fax: 22234135; Email: drsupchat@gmail.com;
- CHATTERJEE, TANAYA, DST Woman Scientist (WOS-A), Department of Biochemistry, Bose Institute, P1/12, CIT Scheme VII M, KOLKATA 700054, Tel. 033-23559219(O), 23710000(R), 09836310054(M); Fax: 23506790; Email: tanaya\_chatterjee@yahoo.com;
- CHATTOPADHYAY, PRASANT KUMAR, M.Sc., Ph.D., Professor of Forensic Science, Punjabi University, PATIALA 147002
- CHATTOPADHYAYA, MAHESH CHANDRA, M.Sc.,Ph.D., DRP., FIC. President, Indian Chemical Society, Department of Chemistry, University of Allahabad, PRAYAGRAJ, Tel. 0532- 2466534, 09415637904 (M); Email: mcc46@rediffmail.com
- CHATURVEDI, A.K., Ph.D., Principal, Bhavan's Mehta P.G. College, Bharwari, KAUSHAMBI 212201, Tel. 05331-22246
- CHATURVEDI, C., M.Sc., D.Phil., Former Assoc.Professor of Botany, G.B.Pant University, 71, Deen Dayal Nagar, P.O. Nawabganj, KANPUR -208002
- CHATURVEDI, RAKHI, M.Phil., Ph.D., Professor, Department of Biosciences & Bioengineering, IIT Guwahati, GUWAHATI-781039, Res. Qr.No.D-77, IIT Guwahati Campus, GUWAHATI 781039, Tel. 0361-2582211(O), 2584211(R), 09435108969(M); Fax: 2582249; Email: rakhi\_chaturvedi@itg.ac.in; rakhi\_chaturvedi@yahoo.co.uk
- CHATURVEDI, SHONALI, M.Sc., D.Phil., F.B.S., F.B.P.S., Senior Lecturer, Botany Department, Ewing Christian College, PRAYAGRAJ; Res. 23, 19/1 C.Y. Chintamani Road, Darbhanga, PRAYAGRAJ, 09450961030 (M); Email: Shonalichaturvedi@yahoo.com

CHAUBE, RADHA, PhD, Professor, Department of Zoology, Institute of Science, Banaras Hindu University, VARANASI - 221005, Tel. 09336847252(M), Email: chauberadha@rediffmail.com; chauberadha@bhu.ac.in

- CHAUDHARI, PRABHAT KUMAR, MDS, MFDS, RCPS(Glasgow), Additional Professor, Room No. 406, 4th Floor, CDER, AIIMS, Ansari Nagar, NEW DELHI-110029, Tel. 08375044325(M); Email : dr.prabhatkc@gmail.com
- CHAUDHARY, A.K., Ph.D., Lecturer in Physics, P P N College, KANPUR
- CHAUDHARY, B.D., M.Sc., Ph.D., Retd. Sr. Scientist (Plant Breeding), CCS HAU; Res. 135, Mohalla Chaudharian, Near Katra Ramlilla, HISAR 125001, Tel. 1662-237530(R), 09255126155(M); Email: bajdass@gmail.com
- **CHAUDHARY, D.K.,** M.Sc., Ph.D., D.I.C., Professor of Zoology, University of Burdwan, BURDWAN
- CHAUDHARY, DHANRAJ, M.Sc., Ph.D., Formerly Professor of Physics; 701 Giriraj Heights, Plot-5, Sector -18, KHARGHAR - NAVI MUMBAI -410210; Tel. 09784012361(M)
- **CHAUDHARY, R.K.,** Ph.D., Professor & Head, Department of Mathematics, Bhagalpur University, BHAGALPUR
- CHAUHAN, DEVENDRA KUMAR, M.Sc., Ph.D., Professor, Botany Department, Allahabad University, PRAYAGRAJ 211002; Res. 463/359, P5-Shivam Apts., Nigam Crossing, Mumfordganj, PRAYAGRAJ- 211002; Tel. 0532-2440016(R), 08081022287(M); Email: dkchauhanau@yahoo.com
- CHAUHAN, R.K.S., M.Sc., Ph.D., Vice Chancellor, Vikram University, UJJAIN- 456010
- CHAUHAN, RUDRA PRATAP SINGH, M.Sc., D.Phil., FICS, FICC, FISAB, Former Professor & Head, Department of Chemistry, Dean, Faculty of Science & Student Welfare, Magadh University, Bodh-Gaya 824234; Res. Padara-House, Behind Tilak Talkies, Mohalla-Kotaha, SIDHI 486661, MP; Tel. 09430092376, 09771622951, 09399292116(M), Email: rpschauhangaya@gmail.com
- CHELLIAH, JAYABASKARAN, Ph.D., Professor, Department of Biochemistry, Indian Institute of Science, BANGALORE 560012; Tel. 080-22932472, 23600118(O), 23600716(R); Fax: 23600814, 23600683, Email: cjb@biochem.iisc.ernet.in
- CHELLIAH, SUBBIAH, PhD, DSc (hc), FRES(London), FESI,FPPAI,FMSF Formerly Director of Research,Tamil Nadu Agricultural University, Coimbatore; Res. S4, Sorrento Residency, 30, Ormes Road, Kilpauk, CHENNAI 600010, Tel. 044-42328525(R), 9444557207(M); Email: chelliah70@gmail.com
- CHHAYA, N.D., M.Sc., M.S., Professor & Head, Biology Department, B.P.Baria Science Institute, NAVSARI (S.GUJARAT)
- CHHIBBER, SANJAY, Ph.D., Professor, Department of Microbiology, Panjab University, CHANDIGARH 160014, Res. G-14, PU Residential Complex, Sector 14, CHANDIGARH 160014, Tel. 0172-2541770(O), 2714410(R), 09779817768(M); Email: sanjaychhibber8@gmail.com
- CHITRANSHI, V.R., Principal Scientist (I.Fy.), Indian Council of Agricultural Research, Room No. 301, KAB-II, Pusa Campus, New Delhi 110012

CHITYAL, GANESH KUMAR, Ph.D., Senior Principal Scientist, Medicinal Chemistry & Pharmacology Division, CSIR-Indian Institute of Chemical Technology, Uppal Road, Tarnaka, HYDERABAD - 500007, Res. H.No.1-9-341/17, Sri Sai Krishna Enclave, VN Reddy Nagar, KUSHAIGUDA - 500062, HYDERABAD, Tel. 040-27193105(O), 09550092394(M); Fax: 27193189; Email: cgkumar.iict@gov.in

- CHONGTHAM, DHANACHAND, Ph.D.,F.N.S.I.,F.N.R.S.,F.Z.S., Professor, Department of Life Sciences, Manipur University, CANCHIPUR- 795003, Tel. 0385-2220787(O), 2225413(R); Fax: 221429; Email: libnmu@cal.vsnl.net.in
- **CHOPRA, H.N.,** Principal, Government College, Chamb, HIMACHAL PRADESH
- CHOPRA, KANWALJIT, M.Pharm., Ph.D., Professor of Pharmacology, University Institute of Pharmaceutical Sciences, Panjab University, CHANDIGARH 160014, Res. House No. 586, Sector 10-D, CHANDIGARH 160011, Tel. 0172-2534105(O), 2741678(R), 09814904586(M), Fax: 2541142, Email: dr\_chopra\_k@yahoo.com
- CHOUBISA, SHANTI LAL, Ph.D., F.Z.S., F.I.S.C.D., F.A.E.B., F.A.S.A.W., Emeritus Professor (Biotechnology), Department of Advanced Science & Technology, National Institute of Medical Science & Research, N.I.M.S. University Rajasthan, JAIPUR -303121, Res. 205 Chanakyapuri, Sector 4, Hiran Magri, UDAIPUR 313002; Tel. 0294-2461917(R), 09460028724(M); Email: choubisasl@yahoo.com
- CHOUDHARY, DÉVENDRA KUMAR, Ph.D., Professor, Amity Institute of Microbial Technology, Amity University Uttar Pradesh, NOIDA 201313, Tel. 0120-4392170(O), 09571826246(M); Email: dkchoudhary1@amity.edu; devmicro@rediffmail.com
- **CHOUDHARY, RABINDRA KUMAR**, M.Sc., Ph.D., Lecturer, PG Department of Zoology, Mithila University, DARBHANGA
- CHOUDHARY, RAM NARESH PRASAD, M.Sc., Ph.D.(Edinburgh), Professor, Department of Physics, Institute of Technology Education and Research, Jagamohan Nagar, Jagamara, BHUBANESWAR 751030, Tel. 0674-2555977(R), 08763425977(M); Email: crnpfl@gmail.com
- CHOUDHRY, AJAI, D.Sc., Former Dean, Foreign Service Institute, NEW DELHI, Res. 13/4 A Clay Square, LUCKNOW 226001; Tel. 08400546899(M); Email: ajaic203@yahoo.com
- CHOUDHURY BARUA, CHANDANA, M.V.Sc., Ph.D., Post DOC (U.I.C) Professor, Department of Pharmacology & Toxicology, College of Veterinary Science, Khanapara, GUWAHATI 781022; Tel. 0361-2337700(O), 2361485(R); Fax: 2337700; 09864013231(M); Email: chanan@satyam.net.in
- CHOUDHURY, SAYANTAN, PhD, Assistant Professor, Centre for Cosmology and Science Popularization (CCSP), Shree Guru Gobind Singh Tricentenary (SGT) University, Gurugram, Delhi-NCR, Gurugram-Badli Road, Budhera, GURUGRAM - 122505, Tel. 08697365275, 07849044574(M); Email : sayantan\_ccsp@sgtuniversity.org; sayanphysicsisi@gmail.com;
- CHOUDHURY, SOUMEN, MVSc, PhD, Assistant Professor, Department of Veterinary Pharmacology & Toxicology, College of Veterinary Sc. & AH., U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go Anusandhan Sansthan, MATHURA-281001, Tel. 07906379217, 09411065114(M); Email: chsoumenpharma@gmail.com

**CHOUDHURY, SUDHENDU RAI,** Ph.D., Reader in Physics, Department of Physics, University of Delhi, DELHI - 110007

- CHOUDHURY, VISHWANATH, M.Sc., Ph.D., Deputy Director, A.N.C. Division, National Metallurgical Lab., JAMSHEDPUR 831 007
- CHOWDHURY, PAPIA, PhD, Professor, Department of Physics & Materials Science & Engineering, Jaypee Institute of Information Technology, A-10, Sector 62, GAUTAM BUDH NAGAR, NOIDA-201309, Tel. 0120-2594365(O), 2594423(R), 09968055283(M); Fax: 2400986; Email: papia33@gmail.com; papia.chowdhury@jiit.ac.in
- CHOWDHURY, SATYA RANJAN, M.Sc., Ph.D., FPSI, Formerly Principal, Govt. P.G. College, M-557, Padmanabhpur, DURG 491001, Tel. 0788-2320432(R)
- CHOWHAN, S.V.S., Department of Botany, D.B.S. College, AGRA 282002 COWSIK, SUDHA M., Ph.D., Professor, School of Life Sciences, Jawaharlal Nehru University, NEW DELHI 110067, Tel. 011-26704517 (0), 08130905669 (M); Email: scowsik@yahoo.com; scowsik@gmail.com
- D'SOUZA, JOE, M.Sc., Ph.D., Reader in Microbiology, Goa University, Taleigao Plateau, S.P.O. Goa University, GOA 403 203
- DALELA, RAMESH CHANDRA, M.Sc., Ph.D., FAEB,FST, Former Reader & Head of Zoology, Meerut University; Res. 1/206, Vikas Nagar, Lucknow 226022, Tel. 0522-4068507, Email: rcdalela@yahoo.com
- DAMODARAN, MURALEE, M.Sc., Ph.D., Em. Research Professor, Dept. of Health Science Research, Molecular Oncology, Amrita Institute of Medical Sciences and Research, KOCHI – 682041, Tel. 0484-2801234 Extn. 8029(O), 09447037012(M); Email : drdmuralee@gmail.com, muraleedamodaran@aims.amrita.edu
- DANDIA, ANSHU, Ph.D., FRSC, Professor, Emeritus Scientist, UGC-BSR Faculty Fellow, Department of Chemistry, University of Rajesthan, JAIPUR; Res. 302, Akshat Kanak Prabha, B-18, Rajendra Marg, Bapu Nagar, JAIPUR 302017, Tel. 09414073436, 07976728719(M); Email: dranshudandia@yahoo.co.in
- DANG, H.S., Ph.D., Scientific Officer (G), 7A 'Kailas', Anushakti Nagar, MUMBAI- 400 094
- DAR, TANVEER ALI, PhD, Senior Assistant Professor, Department of Clinical Biochemistry, University of Kashmir, Hazratbal, SRINAGAR-190006, J&K, Tel. 06005092109(M); Email : tanveerali@kashmiruniversity.ac.in
- DARADHIYAR, RENUKA, M.Sc., Ph.D., Formerly Professor of Botany, Tata College, CHAIBASA; Res. 9 Suryamukhi, 19th Main, 38 Cross, HBR, Vth Block, Hennur, P.O. Kalyananagar, BANGALORE 560043; Tel. 080-5430553(R)
- **DARGAN, PURNIMA,** M.Sc., Ph.D., 56, Pinewood Drive, Lancaster Park, Morpeth, Northumberland, NE 613SU, U.K., Tel. 0044-1670-225095
- DAS, BASANTA KUMAR, PhD, Director, ICAR-Central Inland Fisheries Research Institute, Barrackpore, KOLKATA - 700120, Tel. 033-25920177(O), 25920029(R), 08420229567(M); Fax: 25920388; Email: director.cifri@gmail.com; director.cifri@icar.gov.in
- DAS, DEBABRATA, PhD, Director, IIIT-Bangalore, Flat No.G2, Anisha Meadows, Venkata Reddy Layout, Block 6, Koromangla, BENGALURU-560095, Tel. 080-41407777 Ext. 108/151(O), 09632795795(M); Email: ddas@iiitb.ac.in; d.das.in@ieee.org

DAS, DILIP KUMAR, M.Sc., Ph.D., FISSS, FISRS, Emeritus Scientist & Ex Head, Division of Agril.Physics, IARI, AD-115 C, Shalimar Bagh, NEW DELHI – 110088; Tel. 011-27482758, 09811968655(M)

- DAS, MADHAB C., PhD, Associate Professor, Department of Chemistry, Indian Institute of Technology, KHARAGPUR, WB - 721302, Tel. 03222-282894(O), 282895(R), 09547842508(M); Email: mcdas@chem.iitkgp. ac.in:
- DAS, NILMANI KANT, M.Sc., Ph.D., Manager (QC), CB/10A, DDA Flat, Harinagar, NEW DELHI-110064; Tel. 011-25129692, 09868607105(M); Email: nilmanikd@rediffmail.com; nilmdnikd@yahoo.co.in
- DAS, PRASENJIT, Professor, Department of Pathology, All India Institute of Medical, Sciences, Teaching Block, NEW DELHI - 110029, Tel. 011-26593371(O), 09873898110(M); Fax: 26588663, 26588641; Email: prasenaiims@gmail.com; dr\_prasenpgi@yahoo.co.in;
- DAS, PRATULANANDA, Professor, Department of Mathematics, Jadavpur University, KOLKATA 700032, Tel. 033-24146717(O), 24140130(R), 09432091144(M); Email: pratulananda@yahoo.co.in;
- DAS, PRIYAMVADA, M.Sc., Ph.D., Reader, Department of Botany, Bihar University, c/o Dr. A.M. Das, Brahmpura, P.O. M.I.T., MUZAFFARPUR
- **DAS, S.R.,** M.Sc., B.A.S., Seed Production Officer, NARKATIAGANJ West Champaran, BIHAR
- DAS, SANTOSH KUMAR, PhD, Associate Professor, School of Physical Sciences, Indian Institute of Technology Goa, Farmagudi, PONDA + 403401, GOA, Tel. 0832-2490139(O), 09831166342(M); Email: santosh@iitgoa.ac.in
- DAS, SUSHMITA, PhD, Associate Professor, AIIMS, E-1, ICMR-RMRIMS Residential Campus, Near NMCH Hospital, Agamkuan, PATNA 800007, Tel. 0612-2631565, 08210281461(M); Email : sushmita.de@gmail.com
- DAS, VIJAI KRISHNA, M.Sc., Ph.D., Reader, Zoology Department, Kamla Nehru Institute of Physical & Social Sciences, SULTANPUR - 228118
- DASCHAKRABORTY, SNEHASIS, PhD, Assistant Professor, Department of Chemistry, Indian Institute of Technology Patna, PATNA 801103, Tel. 06115-233675(O), 233413(R), 09523726835(M), Email: snehasis@iitp.ac.in; snehasis1985@gmail.com
- DASGUPTA, ANJAN KUMAR, Ph.D., Former Professor, Department of Biochemistry, Calcutta University, KOLKATA; Res. 2A Durgacharan Chatterjee Lane, KOLKATA - 700003; Tel. 033-25550201(R), 09748758663(M); Email: adgcal@gmail.com
- DASGUPTA, SWAGATA, Ph.D., Professor, Department of Chemistry, Indian Institute of Technology Kharagpur, KHARAGPUR 721302; Res. A115, IIT Campus, IIT, KHARAGPUR-721302, Tel. 03222-283306(O), 283923(R), 09434020640(M); Fax: 255303; Email: swagata@chem.iitkgp.ac.in, 28swagata@gmail.com
- DASH, DEBASIS, Ph.D., Senior Principal Scientist, 301, CSIR-IGIB, Mathura Road, Sukhdev Vihar, DELHI 110025, Res. 302, Sagar Presidency, F8, Sector 50, NOIDA 201301, Tel. 011-27879301(O), 0124-4255975(R), 09810355975(M); Email: ddash@igib.res.in
- DASH, GOURANGA CHARAN, M.Sc., Ph.D., Professor, Department of Mathematics, Institute of Technical Education & Research, SOA University, Jagamara, BHUBANESWAR; Res. Plot No. 1294/12, Nayapally, BHUBANESWAR – 751012, Tel. 09437283960(M), Email: gcdash45@gmail.com

**DASH, KAILASH CHANDRA,** M.Sc., Ph.D., D.Sc., F.I.C, C.Chem, F.R.S.C.(Lond.), Professor, Department of Chemistry, Utkal University, Vani Bihar, BHUBANESWAR-751004

- DASH, PABAN KUMAR, Scientist E, Division of Virology, Defence Research & Development, Establishment (DRDE), Jhansi Road, GWALIOR 474002, Res. Q.No.67/2, Raksha Vihar, Stadium Road, GWALIOR 474002; Tel. 0751-2390292(O), 2232915(R), 09425403326(M); Fax: 2341148; Email: pabandash@drde.drdo.in; pabandash@rediffmail.com;
- **DASH, PRASANTA K.**, PhD, Principal Scientist, ICAR-National Institute for Plant Biotechnology, LBS Building, Pusa, NEW DELHI 110012, Tel. 08506051100(M); Fax: 011-25843984; Email: prasanta01@yahoo.com
- DASH, SUSHIL KUMAR, M.Sc., Ph.D., Professor, Centre for Atmospheric Sciences, I.I.T. Delhi, Hauz Khas, NEW DELHI 110016, Email: skdash@cas.iitd.ernet.in
- DASHORA, PRABHA, M.Sc., Ph.D., Associate Professor of Physics, University of Rajasthan, 5 JHA 11 Jawahar Nagar, JAIPUR - 302004; Tel. 0141-2702131(O), 2654103(R); Email : prabhadashora@hotmail. com
- DATE, SADGOPAL KASHINATH, M.Sc., Ph.D., Scientist G, Special Instruments Lab, National Chemical Laboratory, PUNE 411008
- DATTA, JAYATI, Professor, Department of Chemistry, Indian Institute of Engineering Science & Technology, Shibpur, PO Botanic Garden, HOWRAH 711103, Res. 131 A Rash Behari Avenue, 'Suparno', Flat 5AB, KOLKATA 700029; Tel. 033-26684561(O), 24644481, 24640516(R), 09830029798(M); Email : jayati\_datta@rediffmail.com; jayati.besus@gmail.com;
- DATTA, KARABI, M.Sc., Ph.D., Reader, Department of Botany, University of Calcutta, 35, Ballygunge Circular Road, KOLKATA-700019, Res. Apt. No. UD02-0302, 1050/1 Survey Park, KOLKATA – 700075, Tel. 033-24615445 Ext. 296(O), 24188625(R), 09830538205(M); Fax: 24614849; Email: krbdatta@yahoo.com
- **DATTA, N.C.,** M.Sc., PhD, FZSI, FNIE, FNESA, FASct, Formerly Professor & Head of Zoology, University of Calcutta; Res. 369 Khardah Cooperative Colony, KOLKATA 700118, Tel. 09831655898(M); Email: editoroffice. scienceandculture@gmail.com
- **DATTA, S.C.,** Ph.D., F.B.S., Reader in Botany, University of Calcutta, 35 Ballygunj Circular Road, CALCUTTA 700019
- DATTA, SANJIB KUMAR, PhD, Professor, Department of Mathematics, University of Kalyani, 19/25, School Road, Kalianibash, Barackpore, PO: Nonachandanpukur, Dist.: 24 PARGANAS (NORTH), PS: Titagarh, Kolkata-700122, Tel. 033-25930309(R), 08017105978, 09007873466 (M): Email: saniibdatta05@gmail.com
- DATTA, SUBRATA KUMAR, B.E., M.Tech., Ph.D., FIE, FIETE, FVEDAS, SMIEEE, Outstanding Scientist, Associate Centre Head, Microwave Tube R&D Centre, Jalahalli Post, BENGALURU-560013, Res. F-1, MTRDC Enclave, HMT Complex, Jalahalli Post, BENGALURU 560013, Tel. 080-28386810(O), 28387740(R), 09886181230(M); Fax: 28381750; Email: drskdatta@gmail.com
- DATTA, USHRI, M.Šc., M.Phil., Former Vice-Principal & HOD of Mathematics, Hislop College; Res. Flat No. 201, Prajakta Royale Apts., Plot No. 128, Nr. Zenda Chowk, Abhyankar Nagar, NAGPUR 440010, Tel. 0712-2539434(R), 09373101518, 09503452717(M), Email: ushridatta@rediffmail.com

**DE, AMIT KRISHNA,** Ph.D., FICN, FNESA, FIABS, FAEB, FAPS, FAScT, FICS, FISCA, Advisor, Former Executive Secretary, The Indian Science Congress Association, KOLKATA, Res. 35 Garpar Road, KOLKATA - 700009; Tel. 09903510336(M); Email: amitkde\_2000@yahoo.com, ade59247@gmail.com

- **DEB, RAJIB,** MVSc, PhD, Scientist (SS), ICAR-National Research Center on Pig (Indian Council of Agricultural Research), Rani, GUWAHATI 781131, Assam; Tel. 07060385213(M); Email : drrajibdeb@gmail.com
- **DEBSHARMA, MURARI MOHAN,** M.Sc., Retd. Manager, R&D Centre, Indian Aluminium Co. Ltd., 1/25A Annpurna Vihar, 3-D, Beli Road, PRAYAGRAJ- 211002; Tel. 0532-2440497(R)
- **DEHADRAI, P.V.,** F.G., F.G.M.S., M.M.G.I., Director (P&E), O.N.G.C., Tel Bhawan, DEHRADUN- 248001
- **DENIS, REMY YOHAN,** M.Sc., Ph.D., D.Sc., Professor, Department of Mathematics, Gorakhpur University, GORAKHPUR 273009, Tel. 0551-2310750, 2315798(R); Fax: 2330951, Email: ddry@sancharnet.in
- **DESHMUKH, Maanik Bajirao,** M.Sc.(Zool.), Ph.D., Formerly Scientist, Defence R&D Establishment, Gwalior, 'Sai-Krupa', 10, Gopal Nagar, Badnera Road, AMRAVATI 444606, Tel. 0721-2521231(R)
- **DESHPANDE, P.K.,** M.Sc., Ph.D., F.B.S., Formerly Professor of Botany, Nagpur University; Res. 246, Hill Road, Gandhi Nagar, NAGPUR 440010, Tel. 0712-224128
- DESHPANDE, RAJENDRAKUMAR DATTATRAYA, Ph.D., Senior Professor, Geosciences Division, Physical Research Laboratory, Navrangpura, AHMEDABAD 380009, Res. J-304, Kala Residency, Near Radio Mirchi Tower, Times of India Press Road, Vejalpur, AHMEDABAD 380015, Tel. 079-26314256(O), 40321124(R), 09824254098(M); Email: deshpande\_rd@yahoo.com
- DESHPANDE, VISHWANATH LAXMAN, M.Sc., Ph.D., 2, Castle-World, Near Medi-Point Hospital, Aundh, PUNE 411007, Tel. 020-27299500, 09850990082(M)
- **DESIRAZU, NARASIMHA RAO,** Ph.D., Professor, Department of Biochemistry, Indian Institute of Science, BANGALORE 560012, Tel. 080-3092538(O), 3611677(R); Fax: 3600683; Email: dnrao@biochem.iisc.ernet.in
- **DEV, KRANTI,** M.V.Sc., Ph.D., Professor, Department of Biochemistry, College of Veterinary Science & Animal Husbandry, MATHURA 281001, Tel. 0565-401536(R); Fax: 404819(O)
- **DEVARAJ, N.,** Ph.D.(Toronto), Professor, Physics Department, Bangalore University, Jnana Bharathi Campus, BANGALORE 560001
- **DEVI, K. UMA,** M.Sc., M.Ed., Ph.D., Lecturer, Deptt. of Botany, S.L. Degree College, NARAYANPET 509210
- DEVI, L. SOBITA SIMON, M.Sc., Ph.D., Professor & Head, Department of Plant Protection, 38/Bungalow, Allahabad Agricultural Instt., P.O. A.A.I., PRAYAGRAJ - 211007, Tel. 0532-2684126, 08756768152, 07866764582(M); Email: sobitasimon@rediffmail.com, sobitasimon@gmail.com
- DEVÎ, PARUKUTTYAMMA SUJATHA, M.Sc., Ph.D., Principal Scientist, Nano-Structured Materials Division, CSIR-Central Glass & Ceramic Research Institute, 196 Raja S.C. Mullick Road, Jadavpur, KOLKATA 700032; Res. 6, Jadavpur North Road, Snehalata, Flat 3A, KOLKATA 700032; Tel. 033-23223487(O), 24298997(R), 09432011951(M); Fax: 24730957; Email: psujathadevi@cgcri.res.in, psujathadevi@yahoo.com, psujathadevi@gmail.com

**DEVI, POOJA,** PhD, Principal Scientist, Central Scientific Instruments Organisation, Sector 30C, CHANDIGARH - 160030, Tel. 0172-2672320(O), 07837907516(M), Email : poojaiitr@csio.res.in; poojaiitr1987@gmail.com

- **DEY, KAMAL KRISHNA,** M.Sc., Ph.D., Formerly Professor of Physics, Banaras Hindu University, D 44/1, Ramapura, VARANASI 221010; Tel. 0542-2451701(R), 09839302054, 09451529018(M)
- DEY, KAMALENDU, M.Sc., Ph.D., D.Phil, C.Chem., F.R.S.C., F.A.Sc.T., UGC Emeritus Fellow; Formerly Professor of Chemistry; Res. B-6/275, Kalyani, NADIA 741235, Tel. 033-25828750 Extn. 307(O), 25827608(R); Fax: 25828282; Email: kdey\_chem@rediffmail.com
- DEY, RANJAN, M.Sc., D.Phil., PGDMM, FRSC, Professor, Department of Chemistry, BITS-Pilani, KK Birla Goa Campus, ZUARINAGAR - 403726, GOA, Res. C-173, BITS-Pilani, Goa Campus, NH 17-B, Byepass Road, ZUARINAGAR - 403726, GOA, Tel. 0832-2580412(O), 2580509, 2557025(R), 09923480065(M); Email: ranjandey@goa.bits-pilani.ac.in
- **DEY, SANDIP,** Ph.D., Scientific Officer (H), Chemistry Division, Bhabha Atomic Research Centre, MUMBAI 400085; Res. D 28, Ajanta, Anushaktinagar, MUMBAI 400094; Tel. 022-25592589(O), 09987172084(M), Fax: 25505150; Email: sandipdey2000@yahoo.com
- **DEY, SANJIT,** Professor of Physiology, University of Calcutta, 92, APC Road, KOLKATA 700009; Res. FD-273, Sector III, Salt Lake City, KOLKATA 700106, Tel. 033-23518386, X227(O), 35513492(R), 09830211512(M); Email: sanjitdey@gmail.com; sdeyphys@caluniv.ac.in;
- DEY, SUDIP, Ph.D., Scientific Officer, SAIF, North-Eastern Hill University, Bijni Complex, Laitumkhrah, SHILLONG 793003, Res. Lumparing, SHILLONG 793004, Tel. 0364-2223105(O), 2220853(R), 09436119787 (M), Email: sudipdeyrsic@yahoo.com
- **DHADKE, PURUSHOTTAM MOTIRAM,** M.Sc., Ph.D., Reader, Department of Chemical Technology, Bombay University, Lok Gaurav Co-op Housing Society, A-1/402, Gandhi Nagar, Lal Bahadur Shastri Road, Vikhroli (West), MUMBAI 400 083; Tel. 022-25773245
- DHAKA, RAJENDRA SINGH, PhD, Associate Professor, Department of Physics, IIT Delhi, Hauz Khas, NEW DELHI 110016, Tel. 011-26591439(O), 26591687(R), 09711019605(M); Fax: 26591114; Email: rsdhaka@physics.iitd.ac.in; rsdhaka1@gmail.com
- DHANJU, CHARANJIT KAUR, M.Sc., Ph.D., Professor, Department of Zoology, Punjab Agricultural University, LUDHIANA - 141004, Res. 8/30, PAU Campus, Ludhiana - 141004; Tel. 401960 Ext.382(O), 2408064(R); Fax: 400945; Email: ckdhanju@gmail.com; ckdhanju@pau.chd.nic.in
- DHAR, A.K., M.Sc., Ph.D., Ex Dy. Director, Botanical Sciences Division, Regional Research Laboratory, JAMMU; Res. B22 Harmukh Apartment, Greater Noida (U.P.) - 201310
- DHAR, JANAK DULARÍ, M.Sc., Ph.D., Scientist-Ell (Sr. Assistant Director), Division of Endocrinology, Central Drug Research Instt., LUCKNOW-226001
- DHAR, RAVINDRA, D.Phil., Professor & Coordinator, Center of Material Sciences, Institute of Interdisciplinary Studies, University of Allahabad, PRAYAGRAJ 211002; Res. Kedar Kunj, 25A/17A/1 Tagore Town, PRAYAGRAJ 211002; Tel. 0532-2460017(O), 2466122(R); 09415278539(M); Email : dr\_ravindra\_dhar@hotmail.com; rdhar@allduniv.ac.in

DHARMESH, SHYLAJA MALLAIAH, Ph.D., Senior Scientist, Laboratory of Cancer and Ulcer Biology, Department of Biochemistry & Nutrition, C.F.T.R.I., MYSORE, Res. No. 7, Basaveshwara Nagar, Opposite to Basaveshwara Temple, MYSORE, Tel. 0821-2514876(O), 2418434(R), 09945759755(M); Fax: 2517233; Email: shylaakshu@yahoo.com

- DHAWAN, ANUJ, PhD, Professor, Department of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, NEW DELHI 110016, Tel. 011-26591080(O), 09810087814(M); Email : adhawan@ee.iitd.ac.in
- DHIMAN, AMIT KUMAR, Ph.D., Professor, Department of Chemical Engineering, Indian Institute of Technology, Roorkee, ROORKEE-247667, Res. D-7, Hill View, IIT Roorkee, ROORKEE-247667, Tel.01332-285890(O),286890(R), 09410329605(M); Email : dhimuamit@rediffmail.com; amitdfch@gmail.com
- DHINGRA, NEELIMA, PhD, Assistant Professor (Pharmaceutical Chemistry), University Institute of Pharmaceutical Sciences, UGC Centre of Advanced Study, Panjab University, Sector 14, CHANDIGARH - 160014, Tel. 0172-2534117(O), 09876573312(M); Email: neelimad08@gmail. com, neelimad08@pu.ac.in
- **DHIR, K.K.,** M.Sc., Ph.D., Lecturer, Department of Botany, Punjab University, CHANDIGARH
- DHUA, ANJAN KUMAR, MBBS, MS, MCh, DNB, Assistant Professor, Room No. 4002, 4th Floor, Pre Clinical Block, All India Institute of Medical Sciences, Ansari Nagar, NEW DELHI 110029, Res. B1, Plot No. 724, Shakti Khand-4, Indirapuram, GHAZIABAD 201014, Tel. 011-26593916(O), 09871568690(M); Email: anjandhva@hotmail.com
- DIKSHIT, SHALINI, D.Phil in Science, Principal Kendriya Vidyalaya Manauri, PRAYAGRAJ, Res. A-307 Sainilayam, Mehdauri Avas Vikas Colony, Teliarganj, PRAYAGRAJ- 211004, Tel.0532-2546200 (R) 09305337254 (M); Email: kvshalinid@gmail.com
- DIKSHÍTULU, L.S.A., M.Sc., D.Sc., Professor & Head of the Department of Chemistry, Gayatri Vidya Parishad College of Engineering, Madhurawada, P.M.P. Colony (P.O.), VISAKHAPATNAM 530041, Tel. 0891-2739507 Extn. 328(O), 2755570(R), Fax : 2739605; Email: gvpc@yahoo.com
- DINESH, SÍNGH DIWAKAR, M.Sc., Ph.D., FISCD, Consultant (Entomology), National Centre for Disease Control, Govt. of India, Directorate of Health Services, 22-Sham Nath Marg, Delhi-110054; Former Scientist F (Senior Grade Deputy Director), ICMR-RMRIMS, Patna-800007; Res. Vill & PO: Daulatpur, Dist-Jamui, Bihar, 811313. Tel. 09430033109, 07982358486 (M), Email: drdsdinesh@yahoo.com, drdsdinesh@gmail.com
- DITTAKAVI, RAMESHWAR RAO, B.Sc., M.Tech., Ph.D., Scientist F, Wadia Institute of Himalayan Geology, 33 General Mahadeo Singh Road, DEHRADUN-248001, Res. 15/1, Vivek Vihar-II, GMS Road, DEHRADUN 248001, Tel. 0135-2525303(O), 2723118(R), 09997476234(M); Fax: 2625212; Email: raodr@wihg.res.in
- DIXIT, ABHISEK, PhD, NXP (Philips) Chair Professor, Room 402-D, Block II, Dept. of Electrical Engineering, IIT Delhi, Hauz Khas, NEW DELHI 110016, , Tel. 011-26591156(O); Email : adixit@iitd.ac.in
- **DIXIT, ADARSH,** M.Sc., FAZ, Asstt. Professor of Zoology; Res. Sharda Sadan, Azad Nagar, Morar, GWALIOR 272006
- **DIXIT, ANIL KUMAR,** M.Sc., D.Phil., Sr.Scientist, Toxicology Sec., Forensic Science Laboratory, Mahanagar, LUCKNOW 226006

DIXIT, GAUTAM RISHI, M.Sc., D.Phil., FHS, Retd. Head, Zoology Department & Principal K.K.P.G. College, ETAWAH - 206001; Res. Chandra Lok, Katra Sahab Khan, ETAWAH - 206001, Tel. 05688-252186(R), 09412068054(M); Email: drgrd1946@gmail.com

- **DORLE, A.K.,** M.Pharm., Ph.D., Professor & Head, Department of Pharmaceutical Sciences, NAGPUR
- DORSETT, CHARLES I., B.S., M.S., Ph.D., Department of Mathematics & Statistics, Louisiana Tech Uni., P.O.Box 3189, RUSTON, LOUISIANA 71272 - 0001
- DUBALE, M.S., M.Sc., Ph.D., Professor & Head, Zoology Deptt., Uni.School of Sciences, Gujarat University, NAVRANGPUR, AHMEDABAD 380009
- DUBE, KIRAN, M.Sc., Ph.D., B.Ed., Principal Scientist, Aquaculture Division, Central Institute of Fisheries Education, Versova, Andheri West, MUMBAI - 400061
- DUBEY, KASHYAP KUMAR, Ph.D., Associate Professor, School of Biotechnology, Jawaharlal Nehru University, NEW DELHI 110067; Tel. 09996122280(M); Email: kashyapdubey@gmail.com; kashyapdubey@inu.ac.in;
- **DUBEY, KESHAVA PRASAD,** D.Phil., Formerly Professor of Chemistry, Kashmir University, 121/4/3A, Mahavirpuri, Sheokuti, Telliarganj, PRAYAGRAJ
- DUBEY, MOHAN LAL, MBBS, MD, MAMS, FIMSA, FIATP, Professor & Ex Head, Department of Parasitology, PG Institute of Medical Education & Research, CHANDIGARH 160012; Res. C/o S.C. Joshi, 9 Parmanu Nagar, Rau Road, INDORE 452013, Tel. 09872884555(M); Email: mldubey@gmail.com
- DUBEY, RITESH KUMAR, PhD, Associate Professor, Department of Mathematics, R.No. 708, Raman Research Park, SRM Institute of Science & Technology, SRM Nagar, KATTANKULATHUR - 603203; Chengalpattu Distt., TN; Tel. 044-22576639(O), 07904847378(M); Email: rkd.iitk@gmail.com
- **DUBEY, SHRUTI,** PhD, Professor, Department of Mathematics, Indian Institute of Technology Madras, CHENNAI 600036, Tel. 044-22574639(O), 07904849341(M); Email: sdubey@iitm.ac.in
- DUBEY, VIKASH KUMAR, Ph.D., Professor, School of Biochemical Engineering and Dean (R&D), Indian Institute of Technology (BHU) Varanasi, VARANASI 221005, Tel. 09957774987(M); Email: vdubey.bce@iitbhu.ac.in
- DUGAR, S.M., M.Sc., 13 Vivekanand Road, JAIPUR
- **DUREJA, PREM,** M.Sc., Ph.D., Former Head & Emeritus Scientist; Res. 1/38, Tilak Nagar, NEW DELHI 110018; Email : pd\_dureja@yahoo.com
- DUTT, NADIMPALLI HARA GOPAL, M.Sc., Ph.D., Formerly Professor of Zoology, University of Mysore; Res. 'Aditya', 799, II Cross, Manujapatha Road, E & F Block, Kuvempunagar, MYSORE - 570023; Tel. 0821-2542104(R)
- **DUTTA CHOUDHURY, SHARMISTHA,** PhD, Scientific Officer G, Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25595101(O), 09969512386(M); Fax: 25505151, 25519613; Email: sharmidc@barc.gov.in; sharmisthadc@gmail.com

DUTTA MAJUMDAR, JYOTSNA, Ph.D., Dr.Ing., (T.U.Clausthal, Germany), (I.I.T. Kharagpur) Professor, Department of Metallurgical & Materials Engineering, Indian Institute of Technology, KHARAGPUR - 721302, Res. C/o Sri A. Dutta Majumdar, Madhabitala, P.O. Katwa, Distt. BURDWAN - 713130, Tel. 03222-283288(O), 283289(R), 220026 (R), 09434020801(M), Fax: 282280, Email: jyotsna@metal.iitkgp.ernet.in

- **DUTTA, CHANDI PROSAD,** M.Sc., Ph.D., Professor of Chemistry & Director, Technical Back-Up Unit, Kalyani University, B-6/133, Kalyani 741235, Nadia, W.B.
- DUTTA, DIMPLE, M.Sc., Ph.D., Scientific Officer H, 3-181-H, Chemistry Division, Modular Labs, BARC, Trombay, MUMBAI 400085, Res. 1404, Godrej Serenity, Mahalaxmi Mandir Marg, MUMBAI 400088; Tel. 022-25592308(O), 09819330904(M); Email: dimpled@barc.gov.in
- **DUTTA, J.S.,** Department of Zoology, Bhagalpur University, BHAGALPUR **DUTTA, MAHESH,** National Institute of Oceanography, Regional Centre, Seashell, 7 Bungalows, Versova, MUMBAI 400061
- DUTTA, PRADIP KUMAR, Ph.D., FICS, FRSC, Professor (HAG), Department of Chemistry, Motilal Nehru National Institute of Technology Allahabad, PRAYAGRAJ 211004, Res. A-13, MNNIT Staff Campus, PRAYAGRAJ 211004, Tel. 0532-2271283(O), 2271611(R), 09936740953(M), Email: pkd\_437@yahoo.com, pkd@mnnit.ac.in
- DUTTA, RAJIV, MTech, PhD, DSc(hc), FAASCIT, FISRD(London); Dean, Research & Innovation, and Dean, School of Biological Engineering & Science, Shobhit University, Babu Vijendra Marg, Gangoh, SAHARANPUR 247341, Tel. 09839236821, 07017020839(M), Email: director.sbt@gmail.com; rajiv.dutta003@gmail.com
- DWIVEDI, AMBIKA PRASAD, Ph.D., Formerly Professor of Mathematics, HBTI, Kanpur, Res. 710, Awadhpuri Road, Vikash Nagar, KANPUR – 208024, Tel. 09412165547(M)
- **DWIVEDI, CHANDRA PRAKASH DHAR,** Ph.D., Formerly Professor of Physics, Gorakhpur University; Maya-Bhawan, Daudpur, GORAKHPUR 273001; Tel. 333991(R)
- **DWIVEDI, DINESH CHANDRA,** M.Sc., Ph.D., F.I.E.T.E., Retd. Associate Professor in Physics, DBS College, 131 MIG, Sector-3, Barra-2, KANPUR- 208027, Tel. 0512-2612594, 09415535599, 08073335789(M); Email: dcd4747@gmail.com
- **DWIVEDI, L.N.,** M.Sc., D.Phil., Principal, Govt. Degree College, LALITPUR (UP)
- DWIVEDI, MANISHA, M.B.B.S., M.D., D.M., Professors of Gastroenterology, P-5, Professor's Enclave, M.L.N. Medical College, PRAYAGRAJ -211001
- **DWIVEDI, RAJPATI,** MSc, PhD, FPSI, FBS, FPEA, Retired Principal Scientist & Head of Plant Pathology Division, Indian Institute of Sugarcane Research, House No. 10/7-B, 10 Station Road, LUCKNOW 226001, Tel. 0522-2638024(R); Email: rajpati.dwivedi@gmail.com
- **DWIVEDI, RAKESH KUMAR,** M.Sc., Ph.D., Department of Physiology, I.M.S., Banaras Hindu University, VARANASI 221005
- **DWIVEDI, SANJAY,** PhD, Senior Technical Officer, Division of Plant Ecology & Climate Changes, CSIR-National Botanical Research Institute, Rana Pratap Marg, LUCKNOW, Tel. 0522-297820(O), 07355145507(M); Fax: 2205839; Email: drs\_dwivedi@yahoo.co.in

**DWIVEDI, SHAILENDRA KUMAR,** M.V.Sc., Ph.D., F.N.A.A.S., F.N.A.V.Sc., Former Director, National Research Centre on Equine, B-3, Kiran Residency, Plot No. G.H. 79, Sector-56, GURGAON-122011; Tel. 0124-2572585(R), 09910399809(M); Email: shailendraj47@gmail.com

- DWIVEDI, SUNEET, PhD, Professor & Coordinator, K. Banerjee Centre of Atmospheric and Ocean Studies, Nehru Science Centre, University of Allahabad, PRAYAGRAJ - 211002, Tel. 0532-2460974(O), 09450587733, 08318803368(M); Email : suneetdwivedi@gmail.com; dwivedisuneet@rediffmail.com
- DWIVEDI, VED PRAKASH, PhD, Group Leader, Immunobiology Group, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, NEW DELHI 110067, Tel. 011-26741360(O), 08447353849(M); Fax : 26742316; Email : ved@icgeb.res.in; dwivedived235@gmail.com
- DWIVEDI, Y.N., M.Sc., Ph.D., F.Z.S., F.A.Z., F.A.E.B., Associate Professor in Zoology, Sahu Jain (PG) College, NAJIBABAD; Res. Jai Nagar, Near Bus Stand, NAJIBABAD- 246763, Tel. 01341-230020(O), 09719423723(M)
- EAPEN, SUSAN, Ph.D., Scientific Officer H & Head, Plant Biotechnology & Secondary Products Section, NABTD, Bhabha Atomic Research Centre, MUMBAI 400085; Res. 7A, Purnima, Ridge Road, Malabar Hill, MUMBAI 400006; Tel. 022-25593874(O), 65820329(R), 09892486333, 09004428381(M); Email: eapenhome@yahoo.com
- **ELDHO, T.I.,** Ph.D., Professor, Department of Civil Engineering, IIT- Bombay, Powai, MUMBAI 400076; Res. C-122, CTR Bldg. 19, IIT Bombay, Powai, MUMBAI 400076; Tel. 022-25767339(O), 25768339(R); 09223255430(M); Fax: 25767302; Email: eldho@civil.iitb.ac.in
- ESWARA PRASAD, NAMBURI, PhD, Former Outstanding Scientist, Scientist H of DRDO & Ex Director, Defence Materials & Stores Research & Development Establishment (DMSRDE); Res. #101, Swarnaprashanti, House No. 8-4-180/1/nr, Plot No. 20 Sairam Nagar, Karmanghat, Saroornagar Mandal, LB Nagar, HYDERABAD 500 079, TELANGANA; Tel. 09490754173(M); Email: neswarap@gmail.com, nep.dmsrde@gov.in
- FARO, GIOVANNI LO, Department of Mathematics and Computer Science, Via Ferdinando D'alcontres-C.da Papardo Salita Sperone, 31-98166 Messina, ITALIA; Tel. +39 0906765077; Email: lofaro@unime.it
- **FRANCIS, K.,** M.Sc., Ph.D., Professor, Department of Botany, Bharathiar University, COIMBATORE 641046
- GACCHE, RAJU NIVARTI, PhD, Professor & Head, Department of Biotechnology, SP Pune University, PUNE 411007, Tel. 020-25694952(O), 09423656179(M); Fax: 25697388; Email: rngacche@rediffmail.com
- GADKARI, SANJAY CHANDRAKANT, M.Sc.,Ph.D., Outstanding Scientist, Technical Physics Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085; Res. 56, Shantiniketan, Anushaktinagar, MUMBAI 400094; Tel. 022-25595051(O), 25571515(R), 09869610060(M); Fax: 25505296; Email: gadkari@barc.gov.in, s.c.gadkari@gmail.com
- GAHLAUT, VIJAY, PhD, DST Inspire Faculty, Biotechnology Division, CSIR-Institute of Himalayan Bioresource Technology, PALAMPUR 176061, Tel. 09457630379(M); Email: zone4vijay@gmail.com; vijaygahlaut@ihbt.res.in

GAIROLA, RAJENDRA PRASAD, M.Sc., D.Phil., Professor & Head, Department of Physics, P.O. Box 25, H.N.B. Garhwal University, SRINAGAR GARHWAL - 246174, Tel. 01346-252331(O), 252414(R), 09456303066(M); Email: rpgairola\_ec@rediffmail.com

- GAJBHIYE, SHANKAR NATHUJI, M.Sc., Ph.D., Scientist E1, National Institute of Oceanography, Regional Centre, Seashell, 7-Bungalows, Versova, MUMBAI- 400061
- GAKKHAR, SUNITA, M.Sc., Ph.D., Professor, Department of Mathematics, Indian Institute of Technology, Roorkee, ROORKEE, Res. B-7, Hill View Apartments, Indian Institute of Technology, Roorkee, ROORKEE, Tel. 01332-285171(O), 285693(R), 09719242545(M); Email: sungkfma@itr.ernet.in
- GANAPATHY SUBRAMANIAN, VAITHEESWARAN, Ph.D., Professor, School of Physics, University of Hyderabad, Prof. C.R. Rao Road, Gachibowli, HYDERABAD 500046, Res. I-907 Aparna Sarovar Zenith, Nallagantla, Serilingampally, HYDERABAD 500019; Tel. 09490942872(M); Email: vaithee@uohyd.ac.in, gvaithee@gmail.com
- **GANDHI, SONU,** PhD, Scientist E, DBT National Institute of Animal Biotechnology, Opp. Journalist Colony, Extended Q City Rd., Gachibowli, HYDERABAD 500032, Tel. 040-23120127(O), 09717693116(M); Email: gandhi@niab.org.in; sonugandhi@gmail.com
- **GANGULY, ASHOK,** M.Sc., Ph.D., Professor, Department of Applied Mathematics, Shri G.S. Instt. of Technology & Science, 23, Park Road, INDORE 452003
- **GARG, AMAR PRAKASH,** M.Sc., Ph.D., Professor & Head, Department of Microbiology, C.C.S. University, MEERUT 250005
- **GARG, BHAGWAN SINGH,** Ph.D., Professor of Chemistry, A-152, Majlis Park, DELHI 110033, Tel. 09910319941(M); Fax: 011-27666250
- **GARG, MRIDULA,** Ph.D., Asstt. Professor, Department of Mathematics, University of Rajasthan, JAIPUR 302004
- GARG, N.K., D.Phil., B-229, Indira Nagar, LUCKNOW 226016
- GARG, ROHINI, Assistant Professor, Department of Life Sciences, Shiv Nadar University, Gautam Budh Nagar, UP, Tel. 09560056446(M); Email: rohini@nipgr.ac.in; gargrohini20@gmail.com
- **GARTEN, V.A.**, Dr. (rer.nat) Cologne, Principal Research Scientist, 1296, Toorka Road, Burwood (Vic), 3125 AUSTRALIA
- GAUR, AMAR CHAND, M.Sc., D.Phil., D.Sc.(Paris), FNAAS, Formerly Professor & Head, Division of Microbiology, IARI, New Delhi; Formerly Professor of Agril. Microbiology, AMU, Aligarh & Emeritus Scientist (ICAR & DST), Res. Pusa Apartments, Plot-2, E-7, Sector 15, Rohini, DELHI - 110 089, Tel. 011-27876516, 09968073957(M), Email: acgaur2009@yahoo.in, acgaur8@gmail.com
- **GAUR, PRATIMA,** M.Sc., D.Phil., Professor & Head, Department of Zoology, Allahabad University, PRAYAGRAJ 211002
- **GAUR, RAJARSHI KUMAR,** PhD, Professor, DDU Gorakhpur University; 127-C, Pragati Vihar, New Dharampur Colony, Shahpur, GORAKHPUR 273006, Tel. 09352911723(M); Email: gaurrajarshi@hotmail.com
- **GAUR, YOGESHWAR NATH,** Ph.D., Reader & Head, Department of Mathematics, M R Engineering College, JAIPUR 302017
- GAUTAM, PREM LAL, Ph.D., F.N.A.A.S., Deputy Director General (Crop Science), Room No. 103, Indian Council of Agricultural Research, Krishi Bhavan, NEW DELHI 110114; Tel. 011-23382545(O), 25842508(R), Fax: 23387293, 23097003, Email: ddgcs.icar@nic.in

**GAWANDE, ABHIMAN MAHADERAO,** M.Sc., Lecturer, Chemistry Department, Nagpur University Campus, NAGPUR

- GAYATHRI, NARAYANAPPA, Ph.D., Professor, Department of Neuropathology, NIMHANS, Hosur Road BANGALORE-560029, Res. #18, Type 5, Block 4, NIMHANS Qrts., Byrasandra Campus, BANGALORE 560011, Tel. 080-2699513(O), 26995636(R); Email: gayathrin12@rediffmail.com
- GAYEN, DIPAK, PhD, Assistant Professor, Department of Biochemistry, School of Life Sciences, Central University of Rajasthan, NH-8 Bandarsindri, Kishangarh, AJMER 305817, RAJASTHAN; Tel. 09836079405(M), Email: gayen.dipak@gmail.com
- **GHAWANA, VIJAY KUMAR,** M.Sc., M.Phil., J.R.F., Department of Botany, D.E.I. Dayal Bagh, AGRA 282005
- GHILDIYAL, JAGDISH CHANDRA, M.Sc., D.Phil., Joint Director, Higher Education, Uttarakhand, Res. 48/5, Circular Road, Ekta Colony (Near Shanti Tennis Academy), Dalanwala, DEHRA DUN 248001; Tel. Email : drjagdishcghildiyal@gmail.com
- GHOSE, UMA RANI, M.Sc., Ph.D., Formerly Principal, N.C. College, Jaipur; Unit - 7, Rashmi Garden, Damana Chhak, Chandrasekharpur, BHUBANESWAR - 751 016
- GHOSH CHOWDHURY, SANDIP, B.E., M.Tech., Ph.D., Chief Scientist, Head, Materials Engg. Division, CSIR-National Metallurgical Laboratory, JAMSHEDPUR-831007, Res. Qr. No. CH Area/VI/46, JAMSHEDPUR 831001, Tel. 0657-2345007/5289(O), 2220366(R), 09835550277(M); Fax: 2345213; Email: sgc@nmlindia.org
- **GHOSH, A.K.,** Central Research Laboratory, Anti Biotic Project, P.O. Virbhadra, RISHIKESH
- GHOSH, AMIT KUMAR, Ph.D., Emeritus Scientist (CSIR), Birbal Sahni Institute of Palaeobotany, 53 University Road, LUCKNOW 226007, Res. Flat No. 5, Sri Girish Chandra Apartment, 5-RBL Road, New Hyderabad, LUCKNOW 226007, Tel. 0522-2742960(O), 09451914713, 09044955731(M); Fax: 2740485, 2740098; Email: akghosh\_in@ yahoo.com; amitbsip@gmail.com, amitk\_ghosh@bsip.res.in
- **GHOSH, ANIMESH,** PhD, Associate Professor, Dept. of Pharmaceutical Sciences & Technology, Birla Institute of Technology, Mesra, RANCHI 835215, Tel. 0651-2276247(O), 09007175618, 09470339587(M); Email: aghosh@bitmesra.ac.in; animju1607@gmail.com
- GHOSH, B.K., M.Sc., D.Phil., Professor of Physics, Allahabad University, PRAYAGRAJ - 211002
- GHOSH, GURU PRASANNA, D.Phil., Sheila Dhar Institute of Soil Science, 2-D Beli Road, PRAYAGRAJ
- GHOSH, J.C., M.Sc., Ph.D., Retd. Professor of Chemistry, Bhicknapahari, PATNA - 800004
- GHOSH, RASH BEHARI, M.Sc., D.Phil., F.B.S., F.I.A.T., Formerly Scientist-D, B.S.I.; C-78, New Garia Co-op. Housing Society, Sreenagar, P.O. Panchasayar, KOLKATA - 700094
- **GHOSH, SAURINDRA PRASAD,** M.Sc., Ph.D., DDG (Horticulture), I.C.A.R., Krishi Bhavan, NEW DELHI 110001
- GHOSH, SUBHO, M.Sc., Ph.D., Research Associate, Neurobiology Division, Indian Institute of Chemical Biology, 4, Raja S.C. Mallick Road, Jadavpur, KOLKATA - 700032; Tel. 033-24733491, 24733493(O), 24409230(R); Email: subho 26@rediffmail.com

GHOSH, SUBRATA KUMAR, MSc, PhD, Sr.Scientist, Dept. of Mycology & Plant Pathology, Central Research Institute for Jute & Allied Fibres, PO BARRACKPORE - 743101, DIST. NORTH 24 PARGANAS

- GHOSH, SUSANTA KUMAR, M.Sc., Ph.D., Former Scientist G and Head, ICMR-National Institute of Malaria Research, Flat#104, Block B, Brigade Paramount, Old Madras Road, Next to Gopalan Signature Mall, Nagavarapalya, CV Raman Nagar Post, BANGALORE 560093, Tel. 09845054366(M), Email: ghoshnimr@gmail.com
- GHOSH, TAPAN KUMAR, M.Sc., Ph.D., Professor of Zoology, University Dept. of Zoology, T.M. Bhagalpur University, BHAGALPUR 812007; Tel. 09431214734(M); Email: tkgzool@yahoo.co.in
- GHOSH, TARUN KANTI, MSc, PhD, FAI, FAEB, FIFI, FSESc, FAZ, Sr. Vice President, ULTRA-TECH Environ. Consultancy & Lab, Survey No. 87, Office 7 & 8, Bandal Prestige (in front of Siddhivinayak Mandir), Azad Nagar, Kothrud, PUNE 411038, Tel. 09423630022, 09689923616(M); Email: ghoshtk2@rediffmail.com, ghoshtk2@gmail.com
- **GHOSH, ZHUMUR,** Associate Professor, Division of Bioinformatics, Bose Institute, Unified Academic Campus, EN 80, Sector V, Bidhan Nagar, KOLKATA 700091, Tel. 09830452060(M); Email: zhumur@jcbose.ac.in; ghosh.jhumur@gmail.com
- GHOSHAL, UDAY CHAND, MBBS, MD, DNS, DM, Associate Professor, Dept. of Gastroenterology, Sanjay Gandhi Postgraduate Institue of Medical Sciences, Raebareli Road, LUCKNOW 226014, Res. Type IV, 57, SGPGI, LUCKNOW 226014, Tel. 0522-2668700 Ext.2405(O), 2668233(R), Fax: 2668078, Email: ghoshal@sgpgi.ac.in
- **GHOUSE, A.K.M.,** M.Sc., Ph.D., F.L.S., Reader, Botany Department, Aligarh Muslim University, ALIGARH 202001
- GILL, TEJENDRA SINGH, M.Sc., Ph.D., Lecturer, Department of Zoology, Kumaun University, NAINITAL
- **GILLANI, ZAHID H.,** M.B.B.S., M.D., Professor & Head of Pharmacology, Therapeutics & Toxicology, University of Jammu GMC JAMMU; Res. B-5, Medical Enclave, Govt. Medical College, JAMMU 180001
- GIREESHA, BIJJANAL JAYANNA, PhD, Professor, Department of Mathematics, Kuvempu University, Jnana Sahyadri, SHANKARAGHATTA 577451, Tel. 09741148002(M), Email: bjgireesu@gmail.com; bjgireesu@rediffmail.com
- **GIRIJAVALLABHAN, C.P.**, Ph.D., Professor Emeritus, International School of Photonics, Cochin University of Science & Technology, COCHIN 682022; Tel. 0484-2577540(O), 2346869(R); Email: vallabhan@cusat.ac.in
- GOEL, A.N., Department of Zoology, Vikram University, UJJAIN
- **GOEL, JAI PRAKASH,** M.Sc., Ph.D., Formerly Reader of Physics, Meerut College, MEERUT; Res. 193 Prabhat Nagar, MEERUT 250001; Tel. 2671339, 2670650, 2671651(R), 9759457113(M)
- GOEL, NEETU, PhD, Professor of Chemistry, Panjab University, H.No. 910, Phase 7, MOHALI 160062, Tel. 09815970112(M); Email: neetugoel@pu.ac.in; neetu\_at\_chem@yahoo.com
- GOEL, PRABUDH, MCh, FICS, FISPU, Additional Professor of Paediatric Surgery, All India Institute of Medical Sciences, NEW DELHI 110029, Res. H.No. 783, Nikka Singh Block, Asiad Village, NEW DELHI 110049, Tel. 011-26593309(O), 09999944511(M); Email: drprabudhgoel@gmail.com

GOEL, RAJESH KUMAR, PhD, Dean, Faculty of Medicine, Professor & Former Head, Department of Pharmaceutical Sciences & Drug Research, Punjabi University, PATIALA - 147002, Res. 197-A, Royal Enclave, Near Aggarwal Hospital, PATIALA; Tel. 0175-3046255(O), 09417881189(M); Email: goelrkpup@gmail.com

- GOEL, RENU, PhD, Scientist D, Translational, Health Science and Technology Institute (THSTI), NCR Biotech Science Cluster, 3rd Milestone, Faridabad-, Gurgaon Exp. FARIDABAD-121001, Tel. 07011922559(M), Email: drrenugoel@gmail.com
- GOEL, SUBHASH CHANDRA, Ph.D., Supervisor, R&D & QC, Optima Chemical Group, LLC, 1105 Lee Ave Extn., Douglas, GA 31533, USA
- **GOGOI, PRADIP K.,** M.Sc., Ph.D., F.I.C., Professor of Chemistry, Dibrugarh University, DIBRUGARH 786 004, Tel. 0373-2370210(O), 2370302(R), 09435131158(M), Fax: 2370323, Email: dr\_pradip@ yahoo.com
- GOKULAKRISHNAN, KUPPAN, PhD, Associate Professor, Department of Neurochemistry, Admin Block 2nd Floor, NIMHANS, Hosur Road, BANGALORE-560029, Tel. 080-26995515(O), 09962465824(M); Email: gokulnimhans@gmail.com; gokul@nimhans.ac.in
- GOMATHI, RAJU, MSc, PhD, Principal Scientist, Crop Production Division, ICAR-Sugarcane Breeding Institute, COIMBATORE 641007, TN, Tel. 0422-2472621-249(O), 09487477058(M); Fax : 2472923; Email : gomathi sbi@yahoo.co.in
- **GON CHAUDHURI, SANTI PADA,** B.E., Director, WBREDA, 52, Sakuntala Road, Agartala, TRIPURA 799001
- GOPAL, KRĪSHNA, Ph.D., F.A.E.B., F.B.R.S., F.Z.S., Scientist F & Head, Aquatic Toxicology Division, Indian Institute of Toxicology Research, P. Box 80, M.G. Marg, LUCKNOW 226001, Tel. 0522-2627586 Ext. 259(O), 2758263(R); Fax: 2628277; Email: kgdubey@hotmail.com
- GOPAL, V., M.Sc., Ph.D., Senior Lecturer, Div.of Neurophysiology & Behaviour, Department of Zoology, Madras University, P.G.Centre, COIMBATORE - 641004
- GOPALAN, K., B.E. (Elec.), Dr.Ing. (Elec. Power), Vice Chancellor, University of Cochin, COCHIN 682301
- GOPALAN, MYSORE NARAYANA IYENGAR, M.Sc., Ph.D., FIE(I), FIIE, FIETE, FIPE, FSSI, FORSI, FIIPE, FISPS, Formerly Professor, IIT, Mumbai; 56, Maruthi Temple Road, Saraswathipuram, MYSORE 570009; Tel. 0821-2542625(R), 09900523350(M)
- GOPESH, ANITA, D.Phil., Professor, Department of Zoology, University of Allahabad, PRAYAGRAJ 211002; Res. 6/1 Bank Road, PRAYAGRAJ 211002; Tel. 0532-2460788(O), 2644639(R); Fax: 2460788; Email: anita\_gopesh@yahoo.co.in
- GOPINATHAN, KESAVAN, M.Sc., Ph.D., Formerly Principal Scientist & Head of Extension, Economics, Training and Inf.Tech. Division of CIBA (ICAR), Santhome, CHENNAI 28; Res. Vaisakh, No. 55A/1, New 35, 2nd Main Road, Ram Nagar, Jawahar Nagar P.O., CHENNAI 600082; Tel. 044-26712334, 26712824(R), 09840368524(M); Email: drk\_gopinathan@yahoo.com
- GOSWAMI, AJANTA, Ph.D., Associate Professor, Department of Earth Sciences, IIT Roorkee, ROORKEE 247667, Res. G-06, Old Teachers Hostel, Vikas Nagar, IIT Roorkee, ROORKEE 247667, Tel. 01332-284835(O), 08954888815(M); Fax: 285638; Email: ajantagoswami@gmail.com

GOSWAMI, ANINDYA, PhD, Professor & Senior Principal Scientist, Cancer Pharmacology Division, CSIR-Indian Institute of Integrative Medicine, JAMMU - 180001, Tel. 0191-2585006-13 Ext. 224(O), 09419143995(M), Fax: 2586333, Email: agoswami@iim.res.in

- GOSWAMI, USHA, M.Sc., Ph.D., Senior Scientist, Assistant Director, Gene Lab, National Institute of Oceanography, Dona Paula, GOA 403004, Tel. 0832-226253 Extn. 4441-4446(O), 222105(R); Fax: 223340; Email: usha@csnio.ren.nic.in, usha\_goswami@yahoo.com
- GOTLURU, KEDARNATH, Scientific Officer (G), Chemistry Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25593816(O), 09820718998(M); Email: kedar@barc.gov.in; gkedarnath@gmail.com;
- GOULATIA, R.K., M.B.B.S., M.S., Professor & Head, Deptt. of Neuroradiology, Neurosciences Centre, AIIMS, Ansari Nagar, NEW DELHI - 110029
- GOUR, NIDHI, PhD, Associate Professor of Chemistry, Indrashil University, At & PO Rajpur Taluka Kadi, RAJPUR 382740, GUJARAT, Tel. 079-49049900 Ext. 213(O), 09909700831(M); Email : nidhi.gour@indrashiluniversity.edu.in; gournidhi@gmail.com
- GOVINDAN, KRISHNAMURTHY, M.Sc., Ph.D., Sr. Scientist, National Institute of Oceanography, Lokhandwala Road, Four Bungalows, Andheri (West), MUMBAI-400053, Tel. 09819987313, 09167374409(M); Email: kgovindan44@gmail.com
- GOWĎA, D. CHANNE, M.Sc., Ph.D., Professor of Organic Chemistry, DOS in Chemistry, University of Mysore, Manasagangotri, MYSORE 570006; Tel. 0821-5524226, 2419664(Lab), 2344348(R); Fax: 2421263, 2518835; Email:dcgowda@yahoo.com
- GOWDA, VINITA, PhD, Associate Professor, Department of Biological Sciences, Indian Institute of Science Education and Research Bhopal, Bhopal Bypass Road, BHAURI 462066, BHOPAL, MP, Tel. 0755-2691417(O), 2691418(L), 08959647671(M); Fax: 2692392; Email: gowdav@iiserb.ac.in
- GOYAL, ARUN, M.Sc., Ph.D., Assistant Professor, Department of Biology, University of Minnesota, Duluth, MN 55812, Tel. 218-7267566/7052/6508/6580; Fax: 7268142; Email: agoyal@d.umn.edu
- GOYAL, ARUN, M.Tech., Ph.D., FAMI, FABAP, FBRS, FNABS, FNAAS, FIFIB, Professor & Former Head, Department of Biosciences and Bioengineering, Indian Institute of Technology, Guwahati, GUWAHATI 781039, Res. F-64, IIT Guwahati, GUWAHATI 781039, Tel. 361-2582208(O), 2584208(R), 09435044273(M), Fax: 2690762, Email: arungoyl@iitg.ac.in
- GOYAL, DHARMENDRA PRATAP, M.Sc., Ph.D., Reader & Head, Department of Zoology, Chowk Hiran Maran, SAHARANPUR 247001, Tel. 0132-2647419
- GOYAL, MANISH KUMAR, PhD, Dean, Infrastructure Development & Professor, Chair Professor-BIS Standardization, Department of Civil Engineering, IIT Indore, INDORE, Tel. 09435880989(M); Email: mkgoyal@iiti.ac.in
- GOYAL, PRAMILA, M.Sc., Ph.D., Professor, Centre for Atmospheric Sciences, IIT Delhi, Hauz Khas, NEW DELHI 110016, Tel. 011-26591309(O), 26591677, 26524771(R), 09810152629(M); Fax: 26591386; Email: pramila@cas.iitd.ernet.in

GOYAL, RAVINDRA KUMAR, Ph.D., Senior Lecturer in Physics, D N College, MEERUT

- GOYAL, SURESH CHAND, M.Sc.,Ph.D., Professor & Dean,IAPTA, NASC FET, R.B.S. College, Bichpuri, AGRA; Res. 5/100A/1, Sonth Ki Mandi, Mathura Road, AGRA- 282002; Tel. 0562-3299366, 09837172639(M), Fax: 2636718(R); Email: suresh\_c\_goyal@rediffmail.com
- GROMIHA, M. MICHAEL, Ph.D., Professor, Department of Biotechnology, Indian Institute of Technology Madras, CHENNAI 600036, Res. C2-4-2B, Delhi Avenue, IIT Madras, CHENNAI 600036, Tel. 044-22574138(O), 22576138(R), 08754499778(M); Email: gromiha@iitm.ac.in, gromiha@hotmail.com
- GROVER, ABHINAV, Ph.D., Assistant Professor, School of Biotechnology, Jawaharlal Nehru University, NEW DELHI - 110067, Res. H.No. 532, Sec 13, Urban Estate, KURUKSHETRA – 136118, Tel. 011-26738728(O), 09891812561, 08130738032(M); Fax: 26742040; Email: abhinavgr@gmail.com
- GROVER, PRABHA, M.Sc., D.Phil., D.Sc., 14, Park Road, PRAYAGRAJ 211002
- **GROVER, R.K.,** M.Sc., Ph.D., F.P.S.I., Assoc.I.A.R.I., Emeritus Scientist, 532-H, Shikhar Apartments, MDC Sector 5, PANCHKULA 134109
- GUJAR, GOVIND TIKARAMSA, M.Sc., Ph.D., Head, Division of Entomology, Indian Agricultural Research Institute, NEW DELHI 110012; Res. A-2, Type V (Pusa Campus), Indian Agricultural Research Institute, NEW DELHI 110012, Tel. 011-25842482, 25848701(O), 25848764(R); Fax: 25842482, 25846420; Email: gtgujar@yahoo. com; gtgujar@iari.res.in
- **GULATI, S.P.,** M.A., D.I.I.T., Ph.D., Science Division, Cuttington University College, P.O.Box 277, MONROVIA LIBERIA, W.AFRICA
- **GUPTA, ABHAYA KUMAR,** M.Sc., Ph.D., Lecturer, CNI Boys College, Dehradun; Res. 31/1, Kailash Vihar, Near Shiv Mandir, Ladpur, Raipur Road, DEHRADUN 248008
- GUPTA, ANGAD PRASAD, Dhekha, REWA 486001
- **GUPTA, ANIK,** B.E., Electronics Engineer, Dept. of Physics, Jammu University, 116, Sector 2, Trikvta Nagar, JAMMU 180004
- **GUPTA, ARTI,** D.Phil., Lecturer, Department of Chemistry, CMP Degree College, University of Allahabad, PRAYAGRAJ 211002; Res.11/6 Punjabi Colony, Alopi-Bagh, PRAYAGRAJ 211006; Tel. 0532-2503203, 09935249585(M); Email: guptarti@yahoo.co.in
- **GUPTA, ARVIND KUMAR,** PhD, Associate Professor & Head, Department of Mathematics, Indian Institute of Technology Ropar, ROPAR 140001, Tel. 01881-242287(O), 09478402654(M); Email: akgupta@iitrpr.ac.in
- GUPTA, ASHISH, PhD, Additional Professor, Centre for Biomedical Research, SGPGIMS Campus, LUCKNOW, Tel. 0522-2668700 Ext. 5034(O), 08953815172(M); Email: ashishg24@gmail.com
- GUPTA, AWADH BEHARI, M.Sc., Ph.D., Lecturer, Department of Zoology, Bepin Behari (P.G.) College, JHANSI 284001
- **GUPTA, BRAHAM PRAKASH,** M.Sc., Research Scholar, Department of Mathematics, Allahabad University, PRAYAGRAJ
- GUPTA, DHARMA PRAKASH, M.Sc., D.Phil., D.Sc., FIMA(UK), C.Math(UK), Formerly Professor - Mathematics, 19/2, Nyaya Marg, Ashok Nagar, PRAYAGRAJ - 211001, Tel. 0532-2623343(O), Email: dharma1930 @yahoo.co.in

GUPTA, DHARMENDRA KUMAR, Ph.D., Professor, Department of Mathematics, Indian Institute of Technology Kharagpur, KHARAGPUR - 721302, Res. A-81, IIT Campus, IIT Kharagpur, KHARAGPR - 721302, Tel. 03222-283652(O), 283653, 278103(R); 09434721483(M), Fax: 255303, 282700, Email: dkg@maths.iitkgp.ernet.in

- **GUPTA, DWARKA PRASAD,** M.Sc., Ph.D., Formerly Professor & Head and Dean, Dept. of Zoology, University of Sagar; Res. F-01, Balak Hill View, Tili Road, SAGAR 470001; Tel. 07582-237137(R)
- GUPTA, DWIJENDRA KUMAR, M.Sc.,Ph.D., Professor & Ex Chairman, Department of Biochemistry, Ex Coordinator-Chair, Center of Bioinformatics, Institute of Interdisciplinary Studies, University of Allahabad, PRAYAGRAJ-211002, Tel. 0532-2545764(R), 09335150718, 09471004778(M); Email: dwijenkumar@rediffmail.com, dwijenkumar@gmail.com
- **GUPTA, J.R.,** Ph.D., Professor & Chairman, Department of Mathematics, H.P. University, Summer Hill, SHIMLA 171005, Tel. 0177-2831963
- **GUPTA, JAGDISH CHANDRA,** A.H.B.T.I., Ph.D.(Tech.), Chandra Niwas, 87/364 Ismailnagar, Near Kotwali, MEERUT CITY 250002, Tel. 516197
- **GUPTA, KADAMBRI,** M.Sc., Ph.D., Professor & Head, Deptt. of Zoology, University of Jammu, JAMMU 180004; Tel. 0191-2457136(O), 2555098(R), 09419212119(M); Email: dr.kadambrigupta@rediffmail.com
- GUPTA, KAILASH CHANDRA, Ph.D., D.Sc., Formerly Professor of Mathematics; Res. C-122, Flat 3, Nand Kishore Pareek Marg, Bapu Nagar, JAIPUR 302015, Tel. 0141-2701339(R), 09460192399(M); Email: kcgupta\_in2000@yahoo.com
- GUPTA, KAPIL DEO, M.Sc., Ph.D.(Math), Ph.D.(Chem.), F.I.C., Formerly Instructor, Department of Applied Physics, Indian School of Mines, DHANBAD, Res. C/o Dr.(Smt.) Ram Shree Gupta, Kajarahawa Ka Pokhara, Near Police Line, MIRZAPUR 231001
- GUPTA, KRISHNA SWARUP, Ph.D., DST Emeritus Scientist, Formerly Professor & Head, University of Rajasthan, Res. 1-K-14, Sector-1, Jawaharnagar, JAIPUR 302004, Tel. 0141-2654204(R), 09829239129(M); Email: guptaks14@rediffmail.com
- **GUPTA, M.C.,** Ph.D., Formerly Professor of Mathematics, University of Rajasthan, B/63 University Marg, Bapunagar, JAIPUR 302015, Tel. 0141-2704968
- GUPTA, MADAN MOHAN, M.Sc., Ph.D., Chief Scientist (Head, Analytical Chemistry Department), Central Institute of Medicinal & Aromatic Plants, LUCKNOW- 15, Res. A939/10, Indira Nagar, LUCKNOW, Tel. 0522-2718559(O), 2351617(R), 09415927850(M); Email: guptammg@rediffmail.com
- **GUPTA, MADHU,** M.Sc., D.Phil., 7/48, Sector II, Rajinder Nagar, SAHIBABAD (GHAZIABAD)
- **GUPTA, MAYANAK KUMAR,** Scientific Officer, Solid State Physics Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25596249(O), 09869834437, 9869834437(M); Fax: 25505151; Email: mayankg@barc.gov.in; mayankaditya@gmail.com;
- **GUPTA**, **MUKESH**, M.Sc., Ph.D., Ex Principal & Professor, Department of Mathematics, D.P.B.S.(P.G.) College, ANOOPSHAHR 203390 UP, Res. Moh. Khirki, ANOOPSHAHR-203390, UP Tel. 09411835164(M); Email: mukeshgpt26@gmail.com

**GUPTA, MUNENDRA NATH,** M.Sc., Ph.D., FBS, FPSI, Formerly Head of Botany; Res. 31/1, Kailash Vihar, Ladpur, Raipur Road, DEHRADUN - 248008; Tel. 9411206218(M)

- **GUPTA, N.K.,** M.Sc.(Hons.), Ph.D., Ph.D.(Lond.), Department of Biosciences, New Science Block, H.P.University, Summer Hills, SHIMLA-5
- GUPTA, NAVNEET KUMAR, M.Sc., M.Phil., Ph.D., Professor of Zoology, Head, Department of Biology, College of Basic Sciences, CSK HP Agricultural University, PALAMPUR 176062, Tel. 01894-230311(O), 232188(R), Fax: 230311; Email: cobs@hpkv.hp.nic.in, navneetedu14@yahoo.co.in
- GUPTA, NEELIMA, Ph.D., D.Sc., Vice Chancellor, Chhatrapati Shahu Ji Maharaj University, KANPUR 208024; Res. 188, Kanoon Goyan, BAREILLY 243003; Tel. 0512-2581280, 2584280, 2548686(O), 09412376677, 09412290544(M); Fax: 2585280; Email: guptagrawal@rediffmail.com, guptaby@gmail.com
- **GUPTA, PREM PRAKASH,** MVSc, PhD, AllMS, FRVC(Sweden), FNAAS, FNAVS, FEVA(Egypt), FIAVP, Formerly Additional Director of Research, PAU, LUDHIANA; Res. Flat No. 24, Delhi Govt. Officers Flats, Greater Kailash-1, NEW DELHI 110048; Tel. 011-29233837(R), 09873248812 (M); Email : drpgupta41@gmail.com
- **GUPTA, RACHANA,** M.A., Lecturer in Mathematics, Hindu Girls College; 638, Sector 15, SONEPAT 131001
- **GUPTA, RAHUL,** M.Sc., Ph.D., Lecturer, Deptt. of Statistics, Govt. M.A.M. College, JAMMU 180004
- **GUPTA**, **ŘAJIV K.**, Ph.D., Associate Professor, Department of Zoology, Jai Narain Vyas University, JODHPUR 342001
- GUPTA, RAJIVE, M.Sc., M.Phil., Ph.D., Former Professor of Chemistry, Jammu University; Res. 224, Sector 7, Channi Himmat Housing Colony, JAMMU 180015; Email: rajgupta5@rediffmail.com
- **GUPTA, RANJANA**, Ph.D., Ex Director R & D, Nimba Foods & Chemicals (P) Ltd, NEW DELHI, Res. D-041, The Crest, Park Drive, DLF-5, Sector 54, GURGAON 122009, Email : dr.ranjana.gupta@gmail.com
- GUPTA, ROHIT KUMAR, Ph.D., Scientist G, Group Head, Material Characterisation and Testing Group, Materials & Mechanical Entity, Vikram Sarabhai Space Centre, ISRO, TRIVANDRUM 695022; Tel. 0471-2563748(O), 09447583236(M); Fax: 2705427; Email: rkgupta.isro@gmail.com
- **GUPTĂ**, **S.K.**, M.Šc., Ph.D., Professor, Department of Mathematics, H.P. University, SHIMLA 171005, Tel. 0177-230778 Ext. 256(O), 231276(R); Fax: 230775
- GUPTA, SANTOSH KUMAR, PhD, Scientific Officer (F), Radio Chemistry Division, RLG Building, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25590636(O), 25563055(R), 09324087193(M); Email: santoshg@barc.gov.in
- **GUPTA, SATISH CHANDRA,** M.Sc., Ph.D.(Lond.), D.I.C., F.B.S., F.P.S.I., Formerly Director of Higher Education, UP & Professor of Botany, 59, Kailash Vihar, Agra 282007, Tel. 0562-2600242(R) 09837990440(M)
- GUPTA, SHALINI, PhD, Associate Professor, Room No.282, Block II, Department of Chemical Engineering, Indian Institute of Technology, Delhi, NEW DELHI 110016, Tel. 011-26591070(O), 09971798295(M); Email: shalinig@chemical.iitd.ac.in

GUPTA, SHARAN BIHARI, M.Sc., D.Phil., Formerly Professor of Chemistry, GB Pant University of Ag.Tech., 16A/606, HIG Apts., Vasundhra, Prahlad Gari, Link Road, GHAZIABAD - 201012, Tel. 0120-2882115(R), 9818064643(M)

- GUPTA, SHIV KUMAR, Ph.D., Formerly Associate Director, Physics Group, Bhabha Atomic Research Centre, MUMBAI 400085; Tel. 09757000235(M); Email: skg112@rediffmail.com
- **GUPTA, SUBASH CHANDRA,** MSc, PhD, Assistant Professor, Department of Biochemistry, Institute of Science, Banaras Hindu University, VARANASI 221005, Tel. 09628197432(M); Email : subhashg167@gmail.com
- **GUPTA, SUKH LAL**, M.Sc., Ph.D., Formerly Reader in Mathematics, Shivaji College, DU; Res. B-2/5 Ashok Vihar II, DELHI- 110052, 09311525225(M);
- GUPTA, UMA SHANKER, M.Sc., Ph.D., F.A.Z., F.Z.S.I., Reader in Zoology Department, C/67 Gour Nagar, Sagor University, SAGAR - 470003; Email: usg1952@yahoo.co.in
- **GUPTA, UMA SHANKER,** Ph.D., Professor, Department of Mathematics, University of Roorkee, ROORKEE 247667
- GUPTA, V.K., Laxmi Narash College, Institute of Technology, NAGPUR
- **GUPTA**, V.P., Department of Genetics, Punjab Agricultural University, LUDHIANA
- GUPTA, VARSHA, M.B.B.S., M.D., Professor, Department of Microbiology, Government Medical College & Hospital, Sector 32, CHANDIGARH, Res. H.No. 3109, Sector 48-D, CHANDIGARH 160047, Tel. 0172-2601023 Ext.1062(O), 2673244(R), 09646121571(M); Fax: 2609360, 2608488; Email: varshagupta 99@yahoo.com
- **GUPTA, VISHNU GOPAL,** M.Phil., Asstt.Professor of Mathematics, University of Rajasthan, 6, Natrajnagar, Netaji Marg, Behind Laxmi Mandir Talkies, Teenk Phatak, JAIPUR - 15
- GURAZADA, RAVI KUMAR, M.Sc., Ph.D., Scientific Officer (F), TP & PED, Bhabha Atomic Research Centre, MUMBAI 400085, Res. C-9, Darbari, Anushakti Nagar, MUMBAI 400094, Tel. 022-25591659(O), 25573601(R), Fax: 25505151, Email: gurazada@barc.gov.in
- GURTU, AVTAR KRISHNA, Ph.D., Principal, Satish Chandra College, Ballia-277001; Res. 76 C, Krishna Nagar, MATHURA-281004, Tel. 09897066813(M); Email: ak.gurtu@rediffmail.com
- GURTU, VISHNU KUMAR, D.Phil., Formerly Professor & Head, Department of Mathematics, Laxminarayan Institute of Technology, RTM Nagpur University; Res. A-102, Savitri Apartments, Buty Layout, Laxmi Nagar, NAGPUR 440022, Tel. 0712-2248906(R), Email : vkgurtu31 @rediffmail.com
- HABIB, IQBAL, Principal/Professor of Botany, House No. 618, Azam Nagar, Shan Medical Store, Near Jaman Ki Masjid, AZAM-NAGAR, BAREILLY – 243005; Tel. 09457255100(M); Email: iqbalhabib786786@gmail.com; iqbalhabib786@rediffmail.com
- HAIDER, MOHAMMED ALI, PhD, Associate Professor, Block 1, 112, Dept. of Chemical Engineering, IIT Delhi, Hauz Khas, NEW DELHI 110016, Tel. 011-26591016(O), 08882711151(M); Email : haider@iit.ac.in
- HALAGOWDER, DEVARAJ, Ph.D., D.Sc., Professor & Director, Department of Zoology, University of Madras, Guindy Campus, CHENNAI 25, Res. 23/2, IIIrd Main Road, Gandhi Nagar, Adyar, CHENNAI 20, Tel. 044-22202832/39(O), 24419596(R), 09884084325(M), Fax: 22301003, Email: hdrajum@yahoo.com

HALDAR, CHANDANA, M.Sc., UG Dip. German, Professor & Former Head, Department of Zoology, Former Director, Institute of Science, Pineal Research Lab, Banaras Hindu University, VARANASI-221005, Res. 894 Ganeshpuri, Suswahi, VARANASI – 221005, Tel. 09415222261, 07380500222(M); Fax: 2368174; Email: chaldar2001@yahoo.com, chaldarbhu@gmail.com, chaldar@bhu.ac.in

- HALLIGUDI, SHIVAPPA B., M.Sc., Ph.D., Former Emeritus Scientist, NCL, G-402, Mont Vert Seville, Wakad, PUNE–411057, Tel. 09637907056(M); Email: sb.halligudi@gmail.com
- **HANDOO, JEEVAN KUMAR,** M.Sc., Ph.D., Retd. University Professor, G2/403, Swiss County, Near PCMC High School, Thergaon, PUNE 411033; Email: jeevankumarhandoo@yahoo.com
- HANS, DHEERAJ KUMAR, M.Sc., LL.B., Head, Deptt. of Botany, C/o Dr. Rajeev Anand, A-46, Saket, MEERUT 250001
- HARAM, SANTOSH K., M.Sc., Ph.D., Professor, Dept. of Chemistry, University of Pune, Ganeshkhind, PUNE 411007, Res. I-804, Rohan Niley (I), Aundh, PUNE 411007, Tel. 020-25691373(O), 25899414(R), 09370532789(M); Email: haram@chem.unipune.ac.in
- HARIPRASAD, GURURAO, MD, PhD, Professor, Department of Biophysics, All India Institute of Medical Sciences, NEW DELHI 110029; Res. C2 Tower 9 Type 5, East Kidwai Nagar, Opposite AIIMS, NEW DELHI 110023; Tel. 011-26594029(O), 09811351715(M); Fax: 2658863; Email: dr.hariprasadg@gmail.com
- HASAN, QURRATULAIN, M.Sc., Ph.D., Senior Consultant, Kamineni Hospital, L.B. Nagar, HYDERABAD 500068, Res. House #119, Road #13A, Banjara Hills, HYDERABAD 500034, Tel. 040-39879999 Ext.210(O), 23396324(R), 09849760064(M); Fax: 24022277; Email: ghasan2000@yahoo.com
- HASEEB, AKHTAR, M.Sc., M.Phil., Ph.D., F.A.E.B., Professor & Head, Department of Plant Protection, Institute of Agriculture, Aligarh Muslim University, ALIGARH 202002
- HASHMI, SAFIR AHMAD, Ph.D., Professor, Department of Physics & Astrophysics, University of Delhi, Delhi 110007; Tel. 09871088201(M), Email: sahashmi@physics.du.ac.in, hashmisa2002@yahoo.co.in
- HASIJA, SURESH KUMAR, M.Sc., Ph.D., Professor Emeritus, Dept. of Biological Science, R.D. University, Jabalpur; Res. MIG-10, H.B. Colony, Residency Road, South Civil Lines, JABALPUR - 482001; Tel. 0761-4045684(R), 09424679069(M)
- HASSAN, MD. IMTAIYAZ, Assistant Professor, Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, Jamia Nagar, NEW DELHI 110025, Tel. 09990323217(O), 09311323414(R); Email: mihassan@jmi.ac.in; imtiyaz.hassan@gmail.com;
- HATI, SUBROTA, PhD, Assistant Professor, Department of Dairy Microbiology, Kamdhenu University, ANAND 388110, GUJARAT, Tel. 02692-264170(O), 09409669561(M); Email : subrota\_dt@yahoo.com; subrota.hati@kamdhenuuni.edu.in
- HAYAT, SHAMSUL, PhD, Professor of Botany, AMU, A-2, First Floor, Al-Hafeez Apartment, Iqra Road, New Sir Syed Nagar, ALIGARH 202002, Tel. 0571-2700920 Ext. 3315(O), 09456233655, 09412328593(M); Email: hayat\_68@yahoo.co.in, shayat.bt@amu.ac.in

HAZRA, PRANAB, M.Sc.(Ag.), Ph.D., Dean, PG Studies & Professor, Department of Vegetable Science, Bidhan Chandra Krishi Viswavidyalaya, MOHANPUR – 741252; Res. A8/219, Kalyani, Nadia, WEST BENGAL - 741235 Tel. 033-25823517(R), 09433259721, 08910782815(M); Fax: 03473-278605; Email: hazra.pranab05@gmail.com, deanpqsbckv1974@gmail.com

- HEBBARE, SURYA PRAKAŠH RAO, Ph.D., C/O Usha S Rao Hebbare, Central Library, I I T, Powai, MUMBAI 400076
- **HEGDE, SURESH MANJANATH,** Ph.D., Professor, Dept. of MACS, NITK Surathkal, SRINIVASNAGAR 575025, Tel. 0824-2474048(O), 2474252(R), Fax: 2474048, Email: smhegde@nitk.ac.in
- HISAMUDDIN, M.Sc., M.Phil., Ph.D., Associate Professor, Department of Botany, Aligarh Muslim University, ALIGARH 202002; Res. F-3, Azim Residency, New Sir Syed Nagar, ALIGARH; Tel. 05712702016(O), 09358251728(R); Email: hisams@gmail.com
- HOODA, DHARA SINGH, M.A., M.Phil., Ph.D., Formerly Pro-Vice-Chancellor, KUK; Res. 76, Sector 4, Haryana Urban Estate, ROHTAK 124001
- HOOROO, RUPA NYLLA KYNTA, Professor, Department of Zoology, North-Eastern Hill University, Mawlai-Umshing, SHILLONG 793022, Tel. 0364-2722320, 2722301(O), 09436119239, 09436116762(M); Fax: 2550108; Email: rnkhnehu@hotmail.com;
- HOTA, SUNIL KUMAR, Ph.D., Addl Director, O/o DG Life Sciences, DRDO Bhawan, Rajaji Marg, NEW DELHI 110011, Res. 149B, DRDO Residential Complex, Opposite Hockey Stadium, Sector 42A, CHANDIGARH, Tel. 09463998315(M); Email: drsunilhota@yahoo.co.in
- HRADAYNATH, R., M.Sc., (Res), FNAÉ, FOSA,FOSI, Dr.Ing. (Paris Sud), Formerly, Director, IRDE, Dehradun & Distinguished Scientist, (DRDO) Scientist Emeritus (DRDO & CSIR) & Consultant, SAMEER, C/O The Director, Instruments Research & Development Establishment, Raipur Road, DEHRADUN 248008, Res. 39/4 A, East Canal Road, DEHRADUN 248001, Tel. 0135 2654965, 2781248, Emai: hradaynath@gmail.com
- **HUSAIN, JAVED,** Formerly Professor of Physics, ZHCE&T; Res. Ground Floor, Mustafa Lodge Apartments, 233-234, Ghaffar Manzil, Jamia Nagar, NEW DELHI 110025; Tel. 09810029090(M), Email: javed\_husain\_engineer@yahoo.com
- **HUSSAIN, MOHD. GHULAM,** M.Sc., Ph.D., Senior Research Fellow, 11-4-93/98, Bazarghat, HYDERABAD 500004
- HYNNIEWTA, T.M., MSc, PhD, FBS, FES, FAPS, FAPT, FEHT, FIPE, Former Head of BSI (Eastern Research Centre), Shillong & (Sikkim Himalayan Research Centre), Gangtok; Res. Sacred Heart Road, Mawlai Phudmuri, SHILLONG-793008 Tel. 09862556926(M), Email: drtmhynniewta@yahoo.co.in
- IBNUSAUD, IBRAHIM, Former Professor & Director, Institute for Integrated Programmes & Research in Basic Sciences; Rural Research Institute for the Conservation of Science, Technology and Arts (RRICSTA), Quilon, Kerala, 689695; Tel. 0475-2961648(R), 09446986704(M); Email: i.ibnusaud@gmail.com;
- IMTIYAZ, MURTAZA, PhD, Professor cum Chief Scientist, Head, Div. of Basic Science & Humanities, Sher-e-Kashmir, University of Agricultural, Sciences & Technology of, Kashmir, J&K - 190025, Tel. 0194-2461257(O), 09858705068(M), Fax : 2461258, Email : imz murtaza@hotmail.com; murtazaimtiyaz18@skuastkashmir.ac.in

INDRADEV, M.Sc., Ph.D., Formerly Adviser, CSIR; Res. 53, Devdoot Apartments, Vikaspuri, New Delhi - 110 018, Tel. 09871109688(M); Email: drindradev@hotmail.com

- INDUSHEKHAR, V.K., M.Sc., Ph.D., Retd. Scientist 'F', C.S.M.C.R.I., C-3139, Shanti Nagar, Bhagwati Park Circle, Kaliabhid, BHAVNAGAR -364 002
- IQBAL, SYED AFTAB, M.Sc., Ph.D., F.I.C.S., F.I.C.C., FIAHPS, FIAEM, Principal, Crescent College of Technology, (RG TU), Nabi Bagh, Karodh, BHOPAL- 462038, Chief Editor, Oriental Journal of Chemistry, BHOPAL; Res. 10, Gulshan-e-Iqbal, New Maulana Azad Colony, Idgah Hills, BHOPAL 462001, Tel. 0755-2804871, 09893250180(M); Email: igbalospc@yahoo.com; www.orientjchem.org
- IQUEBAL, MIR ASIF, PhD, Senior Scientist, Centre for Agricultural Bioinformatics, ICAR-Indian Agricultural Statistics Research Institute, Library Ave, Pusa, NEW DELHI 110012, Tel. 08860912108(M), Fax: 011-25841564, Email: ma.iquebal@icar.gov.in; jiqubal@gmail.com
- ISAAC, RAJENDRA KUMAR, M.S.Engg.(Ágric.), M.Tech., (I.T.), Ph.D., Professor, Dept. of Soil, Water Land Engg. & Mgt., Vaugh School of Agric. & Tech., Faculty of Engg. & Tech., Sam Higginbottom Institute of Technology & Sciences (Formerly Allahabad Agricultural Institute), PRAYAGRAJ 211007; Tel. 09335354642(M); Email: isaac\_rk12@hotmail.com
- ISHAR, MOHAN PAUL SINGH, M.Sc., Ph.D., Former Vice Chancellor, University of Jammu, Jammu (J&K), Former Vice Chancellor, Maharaja Ranjit Singh Punjab Technical University, Bathinda, Res. 19-Holycity Orchard, Holycity Colony, Ajnala to Attari Amritsar bypass, AMRITSAR -143001; Tel. 09888619197(M); Email : mpsishar@gmail.com, mpsishar@yahoo.com;
- ISHWAR, BHOLA, M.Sc., Ph.D., D.Sc., Cospar Associate, University Professor, P.I., UGC & DST Projects, University Department of Mathematics, BRA Bihar University, MUZAFFARPUR 842001, Res. Ishwar Sadan, Damuchak, Behind University Library, MUZAFFARPUR 842001, Tel. 0621-2246630(O), 2244548(R), 09430051967(M); Fax: 2242495; Email: ishwar\_bhola@hotmail.com
- ISLAM, ASIMUL, PhD, Professor, Centre for Interdisciplnary Research in Basic Sciences, Jamia Millia Islami, NEW DELHI 110025; Res. 43, Jaswant Apartments, 16A Jamia Nagar, Okhla Village, NEW DELHI 110025, Tel. 09312812007(M); Email: aislam@jmi.ac.in
- ISLAM, MUHIBUL, M.Sc., Ph.D., FLS, FBS,FPS, FMPPS, FES, Professor, (Retd.) Department of Life Sciences, Dibrugarh University, DIBRUGARH 786004; Res. South Amulapatty, Near Bornamghar, Mohanaghat, P.O., Dibrugarh 786008; Tel. 0373-2319354 (R), 09613687441(M); Email: mislamfh@yahoo.co.in
- JACOB, CHACKO, Ph.D., Professor, Materials Science Centre, Indian Institute of Technology, KHARAGPUR - 721302, Res. B-204, Indian Institute of Technology, KHARAGPUR - 721302, Tel. 03222-283964(O), 283965(R), Fax: 255303, Email: cjacob@matsc.iitkgp.ac.in
- JACOB, MOLLY, MBBS, MD, Ph.D., FRCPath, Senior Professor, Department of Biochemistry, Christian Medical College, Bagayam, VELLORE - 632002, Res. SF No. 64/9A1, S R Garden, Thuthipet, VELLORE - 632011, Tel. 0416-2284267(O), 09894494337(M), Fax: 2262788, Email: mjacob@cmcvellore.ac.in

JADHAO, SANJAY BALKRISHNA, Ph.D., F.N.A.V.S., F.I.A.A.V.R., Scientist, ARS, Central Institute of Fisheries Education (ICAR), 7 Bunglow, Versova, MUMBAI - 400061; Res. 305B, Sarjan CHS, Plot 19, RSC II, Mahada Layout, Malwani, Malad (W), MUMBAI - 400095; Tel. 022-26361446-8(O), 28806261(R); Fax: 26361573; Email: jadhao. sanjay@gmail.com

- JADHAV, JYOTI PRAFULLA, Ph.D., Professor & Head, Department of Biotechnology, Shivaji University, KOLHAPUR, Res. Prerana 299, 'E' Ward, Shahu Nagar, KOLHAPUR – 416008, Tel. 09673517771(M); Email: jpibiochem@gmail.com
- JAIMALA, M.A., M.Phil., Ph.D., Professor, Department of Mathematics, Ch. Charan Singh University, MEERUT 250004, Tel. 09837991844(M), Email: jaimalaccsu@gmail.com
- JAIN, AJAI KUMAR, M.Sc., Ph.D., F.A.Z., Professor of Zoology, Jiwaji University, GWALIOR 474011; Res. G-1, Acharya Narendra Deo Bhavan, Jiwaji University Campus, GWALIOR-474011; Tel. 0751-2442752(O), 2341922(R), 09826069638(M); Fax: 2341450, Email: jainajai2010@gmail.com
- JAIN, DEVENDRA KUMAR, M.Sc., Ph.D., D.Sc., Professor of Pathophysiology, Rakshpal Bahadur College of Pharmacy, Badaun Road, BAREILLY; Res. A/9 Rajendra Nagar, BAREILLY - 243122; Tel. 0581-2585817(R), 09897342372(M)
- JAIN, DHANESH KUMAR, M.Sc., Ph.D., FLS, FBS, FBSE, FRSA, FBMA, FIBA, Reader in Botany, Meerut College, MEERUT; Res. 518, Subhash Nagar, Lane No. 10, MEERUT 250001, Tel. 0121-2664417
- JAIN, KAMAL KANT, M.Sc., Ph.D., F.B.S., Principal Scientist/Professor of Fish & Fisheries Science, Central Institute of Fisheries Education (Deemed University), Off Yari Road, Panch Marg, Versova, MUMBAI -400061; Tel. 022-26361446/47/48 Ext. 437, 26160400(R); 09821256580, 09892703294(M); Fax: 26361573
- JAIN, KANCHAN, Professor, Dept. of Statistics, Panjab University, CHANDIGARH - 160014; Res. House No. 34, Sector 16, PANCHKULA (HARYANA) - 134113, Tel. 0172-2534532, 2541776(O), 2572505, 2567781(R), 09872641634, 09814301634(M); Email: jaink14@gmail. com; jaink14@ yahoo.com;
- JAIN, MADHU, M.Sc., M.Phil., Ph.D., D.Sc., Department of Mathematics, I.I.T. ROORKEE – 247667, Tel. 01332 - 285121(O), 285506 (R), 09412811021(M); Email: madhufma@iitr.ernet.in
- JAIN, PRAKASH CHANDRA, M.Sc., D.Phil., Reader in Chemistry, Meerut College, 54, Golden Avenue I, Roorkee Road, MEERUT - 250001, Tel. 573238(R)
- JAIN, RADHA, PhD, Head, Plant Physiology & Biochemistry Division, IISR, 538K/22, Triveni Nagar I, Sitapur Road, LUCKNOW 226002, Tel. 0522-2480726, 2491800-861(O), 09451904106, 08840532280(M); Fax: 2480738; Email: radha\_dinesh@yahoo.co.in
- JAIN, RAJMAL, M.Sc., Ph.D., Reader, Physical Research Laboratory, Navrangpura, AHMEDABAD - 380009, Tel. 079-6302129(O), 6610820(R); Fax: 6301502; Email: rajmal@prl.ernet.in
- JAIN, S.C., M.Sc., Ph.D., Professor, Department of Chemistry, Delhi University, DELHI- 110007, Res. A-2/229 (Kothi) Paschim Vihar, New Delhi – 110063, 09810261947 (M); Email: jainsc48@hotmail.com; subhash.jain@gmail.com

JAIN, S.L., M.Sc., Ph.D., D.Sc., F.Z.S., Formerly Professor & Head, Geological Studies Unit, Indian Statistical Research Institute, CALCUTTA; Flat No. 2, Durga Complex, Sector H, Aliganj, LUCKNOW - 226024; Tel. 0522-761114

- JAIN, S.P., M.Sc., Ph.D., D.Sc., Professor of Zoology (Retd.), Agra College (Agra University); Res. 35 MIG, Kailash Puri, AGRA - 282002; Tel. 0562-2601644(R), 07599328423(M)
- JAIN, V.K., MSc, PhD, Professor & Head, Department of Chemistry, School of Sciences, Gujarat University, AHMEDABAD-380009, Tel. 079-26300969(O), 26928099(R), 09327013263(M); Email: drvkjain@hotmail.com
- JAIN, VARTIKA, PhD, Assistant Professor, Department of Botany, Govt. Meera Girls' College, UDAIPUR; Res. 3, Arvind Nagar, Sunderwas, UDAIPUR 313001, Tel. 0294-2491700, 09460084200(M); Email: vartikajain31@gmail.com; mgbotany @gmail.com;
- JAISWAL, ANIL KUMAR, M.Sc., D.Phil., Former Principal Scientist, ICAR-Indian Institute of Sugarcane Research; Res. 595 Subhash Nagar, Mumfordganj, PRAYAGRAJ - 211002; Tel. 07518408883(M); Email: jaiswalak59@gmail.com
- JAISWAL, VANDANA, PhD, Scientist, Biotechnology Division, CSIR-Institute of Himalayan Bioresource Technology, PALAMPUR 176061, Tel. 09453145936(M), Email: vandana@ihbt.res.in
- JAKHAR, ANUJ, PhD, Assistant Professor, 548 Department of Mathematics, IIT Madras, NAC-I, Near Campus Cafe, CHENNAI 600036, TN, Tel. 044-22574649(O), 07696413045(M); Email : anujjakhar@iitm.ac.in; anujjisermohali@gmail.com
- JAMALUDDIN, M.Sc., D.Phil., FPSI, FBS, FIISST, FISPP, Formerly Director, Scientist G & Head, Division of Forest Pathology, Tropical Forest Research Institute, JABALPUR, Res. 298, Mandla Road, 4th Mile, PO-Bilhari, JABALPUR - 482020; Tel. 0761-2601018(R), 09424767562(M); Email: jamaluddin\_ 125@hotmail.com
- JAMES RAJU, K.C., Ph.D., Professor and Dean, CASEST, School of Physics, University of Hyderabad, HYDERABAD – 500046, Res. Sinai, Plot No. 7, Shyam Nagar, Telecom Nagar Colony, Gachibowli, HYDERABAD – 500032, Tel. 040-23134305(O), 09441917858, 06305596572(M); Email: kcjrsp@uohyd.ernet.in, kcjrsp@uohyd.ac.in
- JANA, BANA BIHARI, M.Sc., Ph.D., FNAAS, FZS, FZSI, FMAFS, FASc&T, Vice- Chairman, International Centre for Ecological Engineering, University of Kalyani, KALYANI 741235, Tel. 033-5826323(R); 25809212 (O), Fax: 5828282; Email: bbj-icee@yahoo.co.in
- JAYACHANDRAN, KUNJURAMAN VIJAYAMMA, Ph.D., F.Z.S.I., F.A.Z., Former Director of Research & Scientific Consultant, MoES, Gol, Kerala University of Fisheries and Ocean Studies, Panangad P.O., COCHIN 682506; Res. Chiraag, S.L. Puram, P.O. Cherthala, Alleppey Dist., Kerala State-688523; Tel. 2863763(R), 09446493765, 07907519206(M); Email: chandrankvj@yahoo.co.uk
- JENA, BIKASH KUMAR, PhD, Principal Scientist, Materials Chemistry Department, 230 Main, Building, Institute of Minerals and Materials Technology, Acharya Vihar, BHUBANESWAR 751013, Tel. 0674-2379410(O), 09438416008(M), Fax: 2567160, Email: bikash@immt.res.in; bikashjena@gmail.com

JHA, N.K., Ph.D.(British Columbia), Formerly Professor, IIT Delhi, Visiting Professor, BRA Bihar University, Muzaffarpur, DII/13, Ansari Nagar (W), NEW DELHI - 110029, Tel. 6196384

- JHA, PIKA, PhD, Scientist F, Solid State Physics Laboratory, DRDO, Lucknow Road, Timarpur, DELHI 110054, Tel. 011-23903739(O), 09354975252, 09968492893(M); Email: pikajha.sspl@gov.in
- JHA, PRANAVA KUMAR, Ph.D., Asstt. Professor, Dept. of Computer Engineering, Delhi Instt. of Technology, Kashmere Gate, DELHI -110006
- JHA, RAJAN, Associate Professor, School of Basic Sciences, IIT Bhubaneswar, Argul, Jatni, DIST. KHURDA - 752055, Tel. 09556674679 (M); Fax: 06742301983; Email: rjha@iitbbs.ac.in; rajaniitd@gmail.com;
- JHA, RAM CHANDRA, Ph.D., Formerly Professor of Chemistry, Patna University, MIGH-120 Lohiya Nagar, Kankar Bagh Colony, PATNA -800020, Tel. 0612-367028(R)
- JHA, RAMANAND, Department of Physics, Indian Instt. of Science, BANGALORE
- JHA, S.N., M.Sc., Formerly Professor of Mathematics, B.R. Ambedkar Bihar University, MUZAFFARPUR - 842001; Tel. 0612-2243267(R)
- JHA, SHASHIDHAR NARAYAN, M.Sc., D.I.I.T., Ph.D., F.B.S., F.I.S.S., University Professor, Department of Botany, LN Mithila University, Bela Garden, AT & PO – DARBHANGA - 846004, Tel. 06272-222611(O), 246844(R)
- JOHRI, JAYANDRA KUMAR, Ph.D., FPSI, Former Emeritus Scientist, CSIR-NBRI; Res. L-IV/96, Sector M, Aliganj, LUCKNOW 226024, Tel. 0522-7962958(R), 07905944080, 09451543736(M); Email: jjohri2009@gmail.com
- JOHRI, MANOJ, Ph.D., Professor, Department of Physics & Electronics, D.A.V. College, C.S.J.M. University, KANPUR-208001, Former Junior Associate of Abdus Salam ICTP Trieste Italy; Res. 117/Q/719, Flat No. 302, Sarojini Apartment, Sharda Nagar, KANPUR, Tel. 09839283691(M); Email: mjohri\_knp@yahoo.co.in
- JOSHI, ARVIND JATASHANKER, Ph.D., F.B.S., FISPP, Formerly Professor & Head, Department of Life Sciences, Bhavnagar University, BHAVNAGAR - 364002, 09428994983 (M); Fax: 0278- 2521545, Email: ajjoshi2@yahoo.co.in
- JOSHI, BHARAT KUMAR, M.Sc., Ph.D., Formerly Professor of Mathematics; Res. K-9, M.I.G., Rishi Nagar, UJJAIN - 456001, Tel. 0734-2511042(R), 09826015221(M); Email: bk.joshi684@gmail.com
- JOSHI, CHANDRA MOHAN, M.Sc., Ph.D., Formerly Professor & Head of Mathematics, Dean Faculty of Science, Post Graduate Studies, M L Sukhadia University; Res. Shre Kunj, 106, Arihant Nagar, Kalka Mata Road, UDAIPUR – 313001; Tel. 0294-2470675, 09828442622(M); Email: cmjoshi106@gmail.com
- JOSHI, G.B., Ph.D., Lecturer, Chemistry Department, Bhavnagar University, Bhavnagar, GUJRAT
- JOSHI, HEMA, Research Officer, Malaria Research Centre, 22 Shyam Nath Marg, DELHI 110 054; Email : hema\_joshi\_mrc@yahoo.com
- JOSHI, KISHAN CHANDRA, M.Sc.(Chem.), D.Phil., Formerly Senior Scientist, Central Institute of Agricultural Engineering (ICAR), BHOPAL; Res. 393, Vivekanand Colony, D-Sector, UJJAIN - 456010; Tel. 0734-2564377(R), Email: krishjoshi@yahoo.com

JOSHI, RITA, Ph.D., Sr. Lecturer of Mathematics, Christ Church College, Mangaldeep Apartments, 7/107 B, Swarup Nagar, KANPUR

- JOSHI, ROHIT, PhD, Senior Scientist, Division of Biotechnology, CSIR-Institute of Himalayan Bioresource Technology, Post Box No.06, Holta, PALAMPUR 176061, HP, Tel. 01894-233339 Ext. 371(O), 09953989589(M), Fax: 230433, Email: rohitjoshi@ihbt.res.in; joshirohit6@gmail.com
- JOSHI, SAHIB SAROOP, Ph.D., Reader & Head of Chemistry Deptt., Government College of Engineering & Technology, RAIPUR - 492010
- JOSH, SANTA RĂM, Ph.D., Professor, Microbiology Laboratory, Department of Biotechnology & Bioinformatics, North-Eastern Hill University, SHILLONG 793022; Res. Lower Barapather, East Khasi Hills, SHILLONG 793002; Tel. 0364-2722405(O), 2544948(R), 09436102171(M); Email: srjoshi2006@yahoo.co.in
- JOSHI, SANTOSH KESHAV, M.Sc., Ph.D., Professor of Physics, Govt.PG Arts & Science College, 2-Senior MIG, Mhow Road, RATLAM - 457001
- JOSHI, SATISH CHANDRA, M.Sc., Ph.D., Reader, School of Studies in Zoology, Vikram University, UJJAIN 456010
- JOSHI, SHRIKANT V., Ph.D., Former Additional Director, International Advanced Research Centre for Powder Metallurgy & New Materials, HYDERABAD; Res. Flat No. 202, Gharonda Maitni Apts., 3-6-638 & 639, St. No. 9, Himayat Nagar, HYDERABAD 500029; Tel. 040-27601453(R), 09490117226(M); Email: me.svjoshi@gmail.com
- JOWHAR, TEJENDER NATH, Ph.Ď., FGSI, FMS, Former Scientist F, WIHG, Dehradun; Res. 31, Kalindi Enclave, Near Balliwala Chowk, DEHRADUN 248001, Tel. 0135-6528325(R), 09412005277(M); Email : tnjowhar@gmail.com
- JYOTI, M.K., M.Sc., Ph.D., Professor of Zoology, Dept. of Biosciences, University of Jammu, JAMMU 180004; Email : jyoti\_zoo@hotmail.com
- KABIR-UD-DÍN, M.Sc.,Ph.D., Professor & Chairman, Department of Chemistry, Aligarh Muslim University, ALIGARH 202002; Res. 4/1227, Sir Syed Nagar, ALIGARH 202002; Tel. 0571-2703515(O), 2401096(R); Email: kabir7@rediffmail.com
- KAILASA, SURESH KUMAR, PhD, Associate Professor & Head, Department of Chemistry, Sardar Vallabhbhai National Institute of Technology, SURAT 395007, Tel. 0261-2201730(O), 09033369827(M), Fax : 2227334, 2228394, Email : sureshkumarchem@gmail.com; skk@chem.svnit.ac.in
- KAIMAL, M.R., Ph.D., Professor & Head, Department of Computer Science, University of Kerala, Kariavattom, Trivandrum - 695581
- KALA, CHANDRA PRAKASH, MSc, PhD, Associate Professor, Indian Institute of Forest Management, Nehru Nagar, PB No. 357, BHOPAL 462003, Tel. 0755-4943111(R), 09406534298(M); Email: cpkala@yahoo.co.uk; cpkala@iifm.ac.in;
- KALÉ, RADHA DINAKAR, M.Sc., Ph.D., Research Director, Center for Scientific Research & Advanced Learnings, Mount Carmel College, BANGALORE - 560052; Res. No. 4, Archana Apts (S-1), 12th Cross, Margosa Road, Malleshwaram, BANGALORE - 560003; Tel. 080-23467806(R), 09845055261(M); Email: dr.rdkale@gmail.com
- KALIA, PRITAM, PhD, Former Professor, Head and Emeritus Scientist, ICAR-IARI; J1024 Indiabulls Centrum Park, Sector 103, Daultabad, GURUGRAM 122006, HARYANA, Tel. 09810185336(M); Email: pritam.kalia@gmail.com

KALIDAS, CHATTY, M.Sc., Ph.D., Formerly Professor & Emeritus Scientist (CSIR), IIT, CHENNAI; Res. 48/14, Usha Street, Dr.Seethapathy Nagar, Velachery, CHENNAI - 600 042, Email: rukminikalidas@yahoo.com

- KALITA, MOHAN CHANDRA, M.Sc., Ph.D., FICCE, Professor, Department of Biotechnology, Gauhati University, GUWAHATI 781014, Tel. 0361-2570231(O), 2572408(R), 09957181630(M); Fax: 2570133, 2544208; Email: mckalita@sify.com
- **KALSI, P.S.,** Ph.D., Professor & Head, Department of Chemistry, Punjab Agricultural University, LUDHIANA 141004
- KALSOTRA, BANSI LAL, M.Sc., Ph.D., (Delhi University), Pos.Doc.(USA), Former Professor & Head; Dean, Faculty of Science; Presently Research Consultant to DRDO Research Project, Dept. of Chemistry, University of Jammu, JAMMU 180006, Res. House No.10, Sector A, Subhash Nagar, JAMMU 180005; Tel. 0191-2453969(O), 2583652(R); Email: blkalsotra@rediffmail.com
- **KALYANKAR, S.D.,** M.Sc., Ph.D., Professor of Zoology, Marathwada University Campus, AURANGABAD
- KAMARAJU, RAGHAVENDRA, Scientist F, Vector Control Division, National Institute of Malaria Research (ICMR), Sector 8, Dwarka, NEW DELHI 110 077; Email: kamarajur2000@yahoo.com
- KAMBOJ, MALA, Senior Professor & Head, Dept. of Oral Pathology & Microbiology, PG Institute of Dental Sciences, Pt. BD Sharma University of Health Sciences, ROHTAK 124001; Res. 31/9J, Medical Campus, PGIMS, ROHTAK 124001, Tel. 01262-282645-48 Ext.2631(O), 281322(R), 09466902477(M); Email: malskam@gmail.com;
- KANCHANA, VENKATAKRISHNAN, Ph.D., Professor, Department of Physics, Indian Institute of Technology Hyderabad, Kandi, SANGAREDDY 502285, Medak District, Telangana; Res. H.No. 5042, BHEL MAC Society, Ramachandrapuram, SANGAREDDY 502032, Telangana; Tel. 040-23016702(O), 09490942873(M); Email: kanchana@phy.iith.ac.in
- KANCHARLAPALLI, SRINIVASU, PhD, Scientific Officer (F), Theoretical Chemistry Section, 2-216-H, Modlabs, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25593829(O), 09969807894(M); Fax: 25505151; Email: ksvasu@barc.gov.in
- KANDIKONDA, MAHARAJ KUMARI, M.Sc., Ph.D., Professor, Department of Chemistry, Dayalbagh Educational Institute, Dayalbagh, AGRA 282005, Res. 5/351, Swet Nagar, Dayalbagh, AGRA, Tel. 0562-2801545(O), 09259485999(M); Fax:2801226;Email: maharajkumari.k@rediffmail.com
- KANJILAL, ALOKE, PhD, Professor, Department of Physics, School of Natural Sciences, Shiv Nadar University, Delhi-NCR, NH91, Tehsil Dadri, GAUTAM BUDDHA NAGAR 201314, Tel. 09958840640(M); Email: aloke.kanjilal@snu.edu.in, aloke73@gmail.com
- KANNAN, SOUNDARAPANDIAN, M.Sc., Ph.D., Professor & Head, Department of Zoology, Periyar University, SALEM 636011 (TN), Res. 1/200 B Wattson Illam, Guru Colony, Thevar Kulam Road, SIVAKASI 626124, TN; Tel. 04562-254062, 09486252052, 09585132032(M); Email: skperiyaruniv@gmail.com

**KANNAPAN, P.L.,** Ph.D., Professor of Mathematics, Department of Pure Mathematics, University of Waterloo, Waterloo, Ontario N2L 3G1, CANADA

- KANORIA, MRIDULA, M.Sc., Ph.D., Professor, Department of Applied Mathematics, University of Calcutta, 92, APC Road, KOLKATA 700009, Tel. 033-23508386(O), 22591322(R); 09433775538(M); Email: k\_mri@yahoo.com
- KANSERI, BHASKAR, PhD, Associate Professor, Department of Physics, Indian Institute of Technology Delhi (IITD), Hauz Khas, NEW DELHI 110016, Tel. (011) 26591111(O), 26597900(R), 09811026412(M); Email: bkanseri@physics.iitd.ac.in
- **KANT, LAKSHMI V.,** Professor, Department of Mathematics, Nagarjuna Engineering College, HYDERABAD
- KANT, RAJNI, FRSC, FICS, FSFRC, FANSF, Vice Chancellor, Rabindranath Tagore University, Medhua, Post Bhojpur, Raisen, BHOPAL 464993; Tel. 0191-2432051(O), 09419194375, 07006297162(M); Email: rkant.ju@gmail.com;
- **KANT, RAVI,** Ph.D., Research Fellow, Department of Mathematics, Agra College, AGRA 282002
- KANT, TARUN, M.Sc., Ph.D., F.B.S., Scientist G & Group Coordinator (Research), Room No. 4 & 36, Arid Forest Research Institute, New Pali Road, JODHPUR 342005; Res. V/3, AFRI Camplex Plot No. 729, Basri Phase-II, JODHPUR; Tel. 0291-2729136(O), 09829051972(M); Email: tarunkant@gmail.com, tarunkant@icfre.gov.in
- KAPAHI, BAL KRISHAN, M.Sc., Ph.D., Scientist F (Retired), Indian Institute of Integrative Medicine (Formerly Known as RRL), Canal Road (CSIR), JAMMU TAWI 180001; Res. Kapahi Niwas, Tara Vihar, Pandoka Colony, Paloura, JAMMU TAWI 181121; Tel. 09906234457, 09419139566(M); Email: bkkapahi@rediffmail.com
- KAPGATE, DASHRATH KISANJI, M.Sc., Ph.D., D.Sc., M.A., LL.M., FBS, FUWA, FPS, Head of the P.G. Department of Botany, J.M. Patel College, BHANDARA- 441904, Tel. 07184-252364(O), 253784(R), Fax: 253268, Email: kapgate\_dk@rediffmail.com
- KAPOOR, DEEPA, MBBS, DGO, CIMP, SAG (Gynaecologist), GH, SGPGIMS, TYPE 5, B/11, SGPGI Campus, Rae Bareilly Road, LUCKNOW 226014, Tel. 0522-2494739(O), 2494136(R), 09415104357 (M); Email: dekapoor2002@yahoo.co.in
- KAPOOR, PRAMESH NARAIN, Ph.D., D.Phil.(Sussex), C.Chem., M.R.S.C., Chemistry Department, Delhi University, DELHI
- **KAPOOR, SANT KUMAR**, M.A., LL.B., Ph.D., Additional District & Sessions Judge, A-78, Poultry Area, Nilokheri, Distt. Karnal, HARYANA
- KAPUR-GHAI, JYOTIKA, M.Sc., Ph.D., Professor, Department of Zoology & Fisheries, Puniab Agricultural University, LUDHIANA, Tel. 98146-58116
- KAR, AMITABHA, M.Sc.(Ag.Engg.), Ph.D.(FMPE), Fellow (ISNS), FBRS, Former Professor (Agricultiral Engineering), N.D. University of Agriculture & Technology, Kumarganj, AYODHYA 224229; Res. 147, Allenganj, PRAYAGRAJ 211002, 09415225548(M); Email: amitabhkarkvk@gmail.com
- KAR, CHANDRA SHEKHAR, M.Sc., Ph.D., Research Officer, Bhitarkanika National Park, Forest Department, Orissa Govt., SATABAYA - 754225

KARAN, DHRUBASH MATHUR, M.Sc., Ph.D., Formerly Professor of Botany, Osmania University, Res. Flat No. 4, Elegance Ankita Apartment, Lane Opp. NCL, Godavari, Pipeline Road, Petbasheerabad, HYDERABAD - 500067; Tel. (040) 40208137(R), 09246363950(M); Email: dhrubash1938@gmail.com;

- KARIHALOO, JAWAHIR LAL, Ph.D., Former Director, ICAR; Former Coordinator, Asia-Pacific Consortium on Agricultural Biotechnology (APCoAB), Res. B1/15, Agrasen Apartment, Plot 10, Sector 7, Dwarka, NEW DELHI 110075; Tel. 09818872624(M); Email: jlkarihaloo@gmail.com
- KARIM, KAMAR BANU, M.Sc., Ph.D., D.Sc., Former Director, IAS Coaching Centre, Govt. of Maharashtra & The Institue of Science, Nagpur; Res. NOORAIN, 2nd Floor, Samiullah Khan Marg, Sadar Bazar, NAGPUR-440 001 Tel. 0712-536626(O), 531871(R)
- KARLSSON, PER W., M.Sc.(Electrophysics), M.Sc.(Maths), Reader (Mathematics), Technical University of Denmark, Building 303, DK-2800, Lyngby, DENMARK; Email: p.w.karlsson@mat.dtu.dk
- KARÚNAKARAN, KOLLATH, M.Sc., C.Sc., Ph.D., Formerly Professor, Kerala Agricultural University, SADHANA, Chuduvalathur, SHORANUR 679121
- KARUPPA SWAMY, S.A., M.Sc., Ph.D., Formerly Professor of Zoology, 39, Sivagami Nagar, 3rd Street East, Veerakeralam, P.O., COIMBATORE 641007; Tel. 09894409272(M)
- **KASHIRAM**, M.Sc., Ph.D., Reader, Chemistry Department, Osmania University, HYDERABAD 500007
- KASHYAP, HEMANT KUMAR, PhD, Professor, MS-637, Department of Chemistry, Indian Institute of Technology Delhi, Hauz Khas, NEW DELHI 110016, Tel. 011-26591518(O), 26597726(R), 08826259676(M), Email: hkashyap@chemistry.iitd.ac.in; kashyaphemant@gmail.com
- **KASHYAP, PREETI,** M.Sc., Ph.D., Lecturer, Physics Department, Jammu University, JAMMU 180004
- KASHYAP, RAJESH, M.D.(Medicine), Additional Professor, Dept. of Hematology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Rae Barielly Road, LUCKNOW 226014; Res. H.No. 11/134, Vikas Nagar, LUCKNOW 226022; Tel. 0522-2495180(O), 2769846(R), 09839220283(M); Fax: 2668177; Email: rajkashyapmd@gmail.com
- KASHYAP, SUBHASH CHAND, M.Sc., Ph.D., Ex Emeritus Professor, Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, NEW DELHI- 110016, Tel. 011-26531278(R), 09811504410(M); Email: skashyap@physics.iitd.ac.in, skashyap62@yahoo.com
- KASOJU, NAREŚH, PhD, Scientist C (Applied Biology), Bio-Medical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Poojapura, TRIVANDRUM 695012, Tel. 0471-2520311(O), 07981760739(M); Email: naresh.kasoju@sctimst.ac.in
- KATARIA, HARISH CHANDRA, M.Sc., Ph.D., F.I.Ć.C., F.I.C.S., Asstt. Professor of Chemistry, DK-2/20, View Point Bunglows, Kolar Road, Danish Kunj, BHOPAL 462016
- KATERIYA, SÜNEEL, Ph.D., Deputy Director (R&D), School of Biotechnology, Jawaharlal Nehru University, NEW DELHI– 110067, Tel. 011-45607323(R), 09312315704(M); Email: suneel77@yahoo.com, skateriya@jnu.ac.in

**KATHURIA, SNEH LATA,** M.Sc., Ph.D. (Retired) , 5001 Heritage Apartments, 5 Park Road, LUCKNOW – 226001; Tel. 09839194007(M); Email: skathuria2009@gmail.com

- KATIYAR, CHANDRA KANT, Ph.D., Head Health Care Research, Dabur India Limited, Dabur Research & Development Centre, 22, Site IV, SAHIBABAD 201010, GHAZIABAD (UP); Res. S-323, First Floor, South End Floors, Uppal's South End, Sector 48, Sohna Road, GURGAON 122101; Tel. 0120-4378614(O), 0124-4253323(R), 09811222655(M); Email: chandra.katiyar@dabur.com; ck\_katiyar@yahoo.com
- **KATOCH, RAJAN,** PhD, Senior Scientist (Biochemistry), Dept. of, Genetics & Plant Breeding, CSKHPKV, PALAMPUR 176062, HP, Tel. 01894-230391(O), 09418121870(M), Email: rajankatoch@yahoo.com
- **KAUL, VEENU,** Ph.D., Professor, Department of Botany, University of Jammu, JAMMU 180006, Res. 15, Saini Enclave, Camp Road, Talab Tilloo, JAMMU 180002, Tel. 0191-2451684(O), 2555046(R), 09419137180(M); Email: veenukaul@yahoo.co.in
- **KAUR, JAGDEEP,** Ph.D., Professor, Department of Biotechnology, Panjab University, Sector 14, CHANDIGARH 160014; Res. H.No. 47, Sector 33A, CHANDIGARH, Tel. 0172-2534086(O), 2624047(R), 09872846201(M); Email: jagsekhon@yahoo.com
- KAUSHAL, RADHEY SHYAM, M.Sc., Ph.D.(Phy.), Ph.D.(Phil.), UGC Research Scientist, Physics Dept., Delhi University, 48C, Block-A, Pocket-D, Shalimar Bagh, DELHI 110052
- KAUSHIC, S.D., M.A., Ph.D., 2, Alok, HAPUR
- **KAUSHIK, N.K.,** M.Sc., Ph.D., Professor (Retd.), Department of Chemistry, University of Delhi, DELHI 110007, Tel. (011) 27666987(R), 09818167997(M); Email: narenderkumar kaushik@yahoo.co.in
- KAVIRAJ, ANILAVA, M.Sc., Ph.D., Former Professor, Department of Zoology, Kalyani University, Kalyani, DIST. NADIA – 741235; Tel. 033-25828477, 25828478(O), 25560256(R), 09830443689(M); Email: akaviraj@gmail.com
- **KAZA, SUGUNA,** Ph.D., Professor, Molecular Biophysics Unit, Indian Institute of Science, BANGALORE-560012; Tel. 080-22932838(O), 23607945(R); Fax: 23600535; Email:suguna@mbu. iisc.ernet.in
- **KEHRI, HARBANS KAUR,** Department of Botany, Allahabad University, PRAYAGRAJ 211002
- KESAVADAS, CHANDRASEKHARAN, MBBS, DMRD, MD, CCST, FICR, FAMS, Professor, Department of Imaging Sciences & Interventional Radiology, SCTIMST; Lakshmi, H.No.7, Yamuna Nagar, Sreekariyam, TRIVANDRUM 695017; Tel: 0471-2524215(O), 2447002(R), 09447047002(M); Fax: 2550728; Email: chandkesav@yahoo.com
- KHADIKAR, PADMAKAR VINAYAK, M.Sc., Ph.D., Professor, 3, Khatipura, INDORE
- **KHAJURIA, NIRMALA,** M.Sc., Professor of Zoology, Govt. College for Women, Parade Ground, JAMMU
- **KHAMESHARA, SAGAR MAL,** Department of Physics, University of Rajasthan, JAIPUR
- KHAN, ABDUL ARIF, PhD, Scientist D, Microbiology Division, ICMR-National AIDS Research Institute, 73, G Block, MIDC, Bhusari, PUNE 411026, Tel. 09860530514, 09406500814(M); Email: abdularifkhan@gmail.com

KHAN, ABU TALEB, PhD, HAG Professor, Department of Chemistry, Indian Institute of Technology Guwahati, GUWAHATI - 781039, Former Vice Chancellor, Aliah University, Kolkata; Tel. 0361-2582305(O), 2584305(R), 09435118593, 08240915004(M); Fax: 2582349; Email: atk@iitg.ac.in; prof.atkhan@gmail.com

- KHAN, FAREED AHMAD, M.Sc., M.Phil., Ph.D., F.B.S., F.A.E.B., Associate Professor, Department of Botany, Aligarh Muslim University, ALIGARH 202002
- KHAN, IMTIAZ AHMED, PhD, FAEB, Associate Professor, Fish Nutrition Research Lab, Department of Zoology, University of Kashmir, Hazratbal, SRINAGAR 190006, Tel. 0194-2414580(O), 09419968539(M); Email: imtiazamu1@yahoo.com; drimtiazkuzoo@gmail.com
- KHAN, INSHAD ALI, Ph.D., Principal Scientist & Head, Clinical Microbiology Division, CSIR-Indian Institute of Integrative Medicine, Canal Road, JAMMU TAWI 180001, Res. E4, IIIM Residential Complex, CSIR-Indian Institute of Integrative Medicine, Canal Road, JAMMU TAWI 180001, Tel. 0191-2585006-15 Ext. 202(O), 2586886(R), 09419134373(M); Fax: 2586333; Email: iakhan@iiim.res.in
- KHAN, M. IQBAL A., Islamia Institution, 44, H.K. Konar Road, CALCUTTA 700014
- KHAN, M. ISRAT, Department of Botany, Andhra University, WALTAIR
- KHAN, MOHAMMAD SALMAN, PhD, Associate Professor, Department of Biosciences, Integral University, Kursi Road, Dasauli, LUCKNOW 226026, Tel. 09044015790, 09452614072(M); Email: contactskhan@gmail.com
- KHAN, MOHAMMED ISLAM, M.Sc., M.Phil., Ph.D., Scientist E1, Division of Biochemical Sciences, National Chemical Laboratory, PUNE 411008, Tel. 0212-336451-52, 331453(O); Fax: 330233, 334761
- KHAN, MURTAZA ALI, M.Sc., Ph.D., ARS, Ex Principal Scientist, Central Inland Capture Fisheries Research Institute, BARRACKPORE; Res. 26, Central Colony, Shahbad Gate, Dt. RAMPUR 244901; Tel. 0595-2350008(R), 08958191776(M); Email: fishbiol1943@gmail.com
- KHAN, SIRAJ AHMED, M.Sc., Ph.D., FISCD, Scientist G (Director Grade Scientist), Indian Council of Medical Research-Regional Medical Research Centre, NE Region, P.O. Lahoal, DIBRUGARH 786010; Tel./Fax: 0373-2381494(O), 09435032866, 09859306660(M); Email: sirajkhanicmr@gmail.com, sakhan.rmrcne@gov.in
- KHANDELWAL, MUDRIKA, PhD, Associate Professor, Department of Materials Science & Metallurgical Engineering, C-435, IIT Hyderabad, KANDI SANGAREDDY 502285, Tel. 04023017118, 09966355510(M); Email: mudrika@msme.iith.ac.in
- KHANNA, KRISHNA KUMAR, M.Sc., D.Phil., FPSI, FES, Former Scientist E, Botanist, BSI; Res. 950 B, Kalyani Devi, Dariyabad, PRAYAGRAJ 211003; Tel. 09335118484, 08765033314(M), Email: Krishna\_khanna1 @rediffmail.com, krishnakkhanna@gmail.com
- KHANNA, PRAGYA, Ph.D., D.Litt.(Hon.), FSLSc., FESW, Associate Professor in Zoology, Govt. College for Women, Parade Ground, JAMMU 180001, Res. H.No. 79, Sector 3, Lane 1, Nanak Nagar, JAMMU 180004, Tel. 0191-2435030(R), 09419194244(M), Email: pragyajmu2002@yahoo.co.in

**KHANNA, S.S.,** M.Sc., Ph.D., Formerly Director, Higher Education, U.P., 1683/956 A, Kalyani Devi, PRAYAGRAJ - 211 003, Tel. 0532 – 2452091, 08604839679 (M);

- KHARE, ANSHUMAN, M.B.A., D.Phil., Professor, Centre for Innovative Management, Operations Management, Sustainable Development, Athabasca University, #301 Grandin Park Plaza, 22 Sir Winston Churchill Ave., St.Albert AB T8N 1B4, CANADA; Tel. Bus: 780-4187533; Fax: 459-2093; Email: anshuman@athabascau.ca
- KHARE, ASHOK KUMAR, M.S., FASM, FAAAS, FASME, 2000 President ASM International, President, Ash Khare Consulting LLC; 5, Leslie Boulevard, Warren, PA 16365, USA; Tel. 814-726-2909; Email: khare@penn.com
- KHARE, BRIJ BEHARI, M.Sc., Ph.D., Professor, Department of Statistics, Faculty of Science, Banaras Hindu University, VARANASI 221005; Tel. 0542-2668941(R); 09452197041(M), Email: bbkhare56@yahoo.com
- KHARE, NEERJA, M.Sc., Ph.D., Ex. Head and Senior Asstt. Professor of Zoology, Govt. P.G. College, SATNA; Res. 'Gharounda', MIG-132, Near watertank, Bharhut Nagar, SATNA-485001, Tel. 07672-224680(R)
- KHARE, P.L., Ph.D., Professor, Department of Physics, Nagpur University, NAGPUR
- KHARE, PUJA, M.Sc., Ph.D., Scientist, Crop Production and Protection Div., CSIR-Central Institute of Medicinal & Aromatic Plants, LUCKNOW 226022, Res. E-5, Sugand Vihar (CIMAP Colony), Vikas Nagar, Sector 7, LUCKNOW 226015, Tel. 0522-2718566(O), 08004923033(M); Fax: 2718509; Email: kharepuja@rediffmail.com, pujakhare@cimap.res.in
- KHARE, SUNIL KUMAR, Ph.D., FRSC, FBRS, FMSc, FNAAS, Dean (R&D); Institute Chair Professor of Biochemistry, (HAG), Department of Chemistry, Indian Institute of Technology Delhi, Hauz Khas, NEW DELHI- 110016, Res. 52, Vikramshila Apartments, IIT Delhi, NEW DELHI-110016, Tel. 011-26596533(O), 26597733(R), 09350408194(M), Fax: 26581486, Email: skkhare@chemistry.iitd.ac.in, skhare@rocketmail.com
- KHERA, S., Professor of Zoology, Meerut University, MEERUT
- KHILLARE, YESHWANT KONDJI, M.Sc., Ph.D., Professor, Department of Zoology, Dr. B.R. Ambedkar Marathwada University, AURANGABAD-431004, Tel. 0240-2370420
- **KHOT, ASHOK G.,** Ph.D., Department of Mathematics, Madhav Institute of Technology & Science, GWALIOR
- KHULBE, RAGHUBAR DATT, M.Sc., Ph.D., D.Sc., FBS, FPSI, FRBS (Germany), Professor, Department of Botany, D.S.B. Campus, Kumaun University, NAINITAL 263002, Tel. 35596
- KHURANA, S.M. PAUL, M.Sc., Ph.D., Vice-Chancellor, R.D. University, JABALPUR 482001, Tel. 2601452(O), 2607452(R); Fax: 2603752, Email:rdvvcc@sancharnet.in
- **KISHORE, CHANDRA,** Ph.D., Lecturer in Mathematics, Dr. H.S. Gour University, SAGAR
- KISHORE, YUGAL, Ph.D., D.Sc., Reader, Dept. of PG Studies & Research in Physics, Rani Durgawati Vishwavidyalaya, JABALPUR 482001
- **KOHLI, M.P. SINGH,** Professor of Inland Fisheries, Central Inst. of Fisheries Education, Jaiprakash Road, Seven Bungalow, Versova, MUMBAI 400061

KONAR, SUSHIL KANTA, Ph.D, Editor, B-17/47, Ground Floor, KALYANI -741235, Dist. Nadia, Post Box No. 22, West Bengal; Tel. 033-25825548(R), 09831205106(M); Email : editor@environmentand ecology.com

- KONKIMALLA, V. BADIREENATH, M.Tech., Ph.D., Reader F, FC-309, School of Biological Sciences, National Institute of Science Education & Research, PO: Bhimpur-Padanpur, Via-Jatni, District KHURDA 752050, Res., Flat No. 1022, Tower Flora, DN Oxypark, Plot No. 533, Near Cosmopolis, Dumduma, Bhubaneswar (MC), KHORDHA 751019, Tel. 0674-2494211(O), 09439864399(M); Email : badireenath@niser. ac.in; badireenath@gmail.com
- KOR, S.K., D.Phil., D.Sc., Formerly Professor of Physics, Allahabad University, PRAYAGRAJ
- KORIKANTHIMATH, VEERATAYYA S., M.Sc., Ph.D., Former Director, ICAR Research Complex for Goa, Ela OLD GOA 403402; Res. 33, Sangamma, Opposite to Bandemma Temple, 2<sup>nd</sup> Main Road, Gandhi Nagar, DHARWAD 580004; Tel. 0836-2468222, 09482396626(M); Email: vskmath@gmail.com
- KOTHARI, HEMRAJ, B.Sc., D.W.P., C.E., M.I., Mech.E.M.S.E., M.A.E., M.I.E., M.A.Sc., Mech.E., Management & Technical Consultant, Kothari Consultants, 12, India Exchange Place, KOLKATA 700001, Res. 3D, Rajhans, 6 Hastings Park Road, Alipore, KOLKATA 700027, Tel. 033-2456-8068(R)
- KRISHAN, KEWAL, M.Sc., Ph.D., F.R.A.I, Professor & Former Chair, Department of Anthropology, Panjab University, CHANDIGARH, Tel. 0172-2541998(O), 2771034(R), 09876048205(M), Email : gargkk@yahoo.com; kewalkrishan@pu.ac.in
- KRIŠHNA, VIJAY, D.Phil., Dean, Faculty of Science & Professor, Chemistry Department, Allahabad University, PRAYAGRAJ, Res. M-22, Muirabad Housing Scheme, Stanley Road, PRAYAGRAJ; Tel. 0532-2461225(O), 2641195(R), 09919542140, 07897295499(M); Email: vkrishnaalld@rediffmail.com
- KRISHNAGOPAL, SRINIVAS, M.Sc., Ph.D., Head, Beam Physics & FEL Laboratory, G18, Accel. Dev. Lab, Centre for Advance Technology, INDORE 452013, Tel. 0731-488018(O), Fax: 488000, Email: skrishna@cat.ernet.in
- **KRISHNAMOORTHY, A.K.,** Ph.D., Professor, Department of Mathematics, Cochin University of Science & Technology, KOCHI 682022
- KRISHNANI, KISHORE KUMAR, Principal Scientist (Environmental Biotechnology and Nanobiotechnology), Division of Aquaculture, ICAR-Central Institute of Fisheries Education, Panch Marg, Off Yari Road, Versova, Andheri (W), MUMBAI, Maharashtra; Tel. 022-26361446/7/8 Ext. 489(O), 08600070775, 08788679672(M); Fax: 26361573; Email: krishnanik@hotmail.com, kishor.krishnani@icar.gov.in, krishnani@cife.
- **KUDENATTI, RAMESH BASAPPA,** Ph.D., Associate Professor, Department of Mathematics, Bengaluru City University, Central College Campus, BENGALURU 560001; Tel. 080-29572008(O), 09036583489(M); Email: ramesh@bub.ernet.in
- KUHAD, ANURAG, Ph.D., Assistant Professor of Pharmacology, University Institute of Pharmaceutical Sciences, Panjab University, CHANDIGARH 160014, Res. H.No. 348/1, I Floor, Sector 44-A, CHANDIGARH 160047, Tel. 0172-2541142(O), 09915173064(M); Fax: 2543101; Email: anurag.kuhad@pu.ac.in, anurag\_pu@yahoo.com

KUKRETI, RITUSHREE, M.Sc, Ph.D., Principal Scientist, Lab 403B, CSIR-IGIB, Mall Road, Near Jublee Hall, DELHI - 110007, Res. C-12, 29-31 Staff Houses, Probyer Road, Chhatra Marg, DU, DELHI - 110007, Tel. 09811689701(M); Email: ritus@igib.res.in, ritushreekukreti@gmail.com

- **KULKARNI, AJIT RANGNATH,** M.Sc., Ph.D., Professor, Metallurgical Engg. & Materials Science, Indian Institute of Technology, Powai, MUMBAI 400076; Tel. 022-25767636(O), 25707653(R); Fax: 25723480; Email:ajit.kulkarni@iitb.ac.in
- KULKARNI, DNYANESHWAR KESHAORAO, MSc, PhD, LLB, FIETE, FMAS, FICC, FISCA, Professor & Head of Physics, Institute of Science, 215, Siddhi-Vinayak Apartments, N.B.R.D., Gokulpeth, NAGPUR 440010; Tel.0712-2524148(O), 2545671(R), 09422146842(M); Email: dkknag@yahoo.co.in, dkk254@gmail.com
- KULKARNÍ, ŚHRIKRISHNA VYANKATESH, Ph.D., Professor, Department of Electrical Engineering, Indian Institute of Technology Bombay, Powai, MUMBAI 400076, Res. C-175, Hill Side Quarters, IIT Campus, Powai, MUMBAI 400076, Tel. 022-25767430(O), 25768430(R), 09820206875(M), Fax: 25723707, Email: svk@ee.iitb.ac.in
- KULRIYA, PAWAN KUMAR, Ph.D., Associate Professor, School of Physical Sciences, Jawaharlal Nehru University, NEW DELHI 110067, Res. 7463, D7 Vasant Kunj, NEW DELHI 110070, Tel. 011-26704637(O), 08800389872(M); Email: pkkulriya@mail.jnu.ac.in
- **KULSHRESHTHA, CHITRA,** M.A., Lecturer in Mathematics, Government Girls Inter College, RISHIKESH 249201
- KULSHRESHTHA, DAYA SHANKAR, Ph.D., Professor, Department of Physics & Astrophysics, University of Delhi, DELHI 110007; Res. C-7A, Vijay Nagar, DELHI 110009; Tel. 011-27667793(O), 27450024(R), 09818823060(M); Fax: 27667061; Email : dskulsh@gmail.com
- KULSHRESHTHA, KAMLA, M.Sc., Ph.D., Principal Scientist, Ecoeducation, Information and Publication Division, National Botanical Research Institute, LUCKNOW 226001; Tel. 0522-2205831-35 Ext.872(O), 09450400443(M); Fax: 205839; Email: dr\_kamla@rediffmail.com
- KULSHRESHTHA, RAJESH, M.Sc., Ph.D., Research Officer, ICTC Block, P.G. Department of Microbiology, King George's Medical University, LUCKNOW – 226003; Tel. 0522-2347516, 09415634123(M); Email: rashik2009@gmail.com
- KULSHRESTHA, ANIL KUMAR, M.Sc., D.Phil., Formerly Research Scientist, NIMR (ICMR), C-535, Kareli Scheme, GTB Nagar PO, PRAYAGRAJ–211016; Tel.09431992931(M);Email : akkul78@gmail.com
- KULSHRESTHA, SHEELENDRA KUMAR, MSc, PhD, FAZ, FAEB, FZSI, FNESA, FNC, Formerly Additional Director, Higher Education, Govt. of M.P.; Formerly Professor of Zoology; Res. 27/3, Geetanjali Complex, BHOPAL 462003, Tel. 0755-2772932(R), 09425377847 (M); Email: drskkulshrestha@yahoo.co.in
- KULWAL, PAWAN LAXMINARAYAN, M.Sc., Ph.D., Professor (CAS), State Level Biotechnology Centre, Mahatma Phule Agricultural University, RAHURI 413722 Dist. AHMEDNAGAR, Telefax. 02426-243578(O), 243033(R), 09404113740(M); Email: pawankulwal@gmail.com

**KUMAR**, **ANIL**, D.Phil., Formerly Professor in Physics, IIT KHARAGPUR; Res. 60/44 Balrampur House, PRAYAGRAJ - 211002; Tel. 09335021742(M), Email: anilite2002@yahoo.com

- KUMAR, ANIL, M.Pharm., Ph.D., MBA, LLB, DCRC, CIC, Professor of Pharmacology, University Institute of Pharmaceutical Sciences, UGC Centre of Advanced Study, Panjab University, CHANDIGARH - 160014; Tel. 0172-2534106(D), 09478692293(M); Fax: 2543101; Email: kumaruips@pu.ac.in, kumaruips@yahoo.com
- KUMAR, ANIL, Ph.D., Director, Education, Rani Lakshmi Bai Central Agricultural University, Near Pahuj Dam, Gwalior Road, JHANSI 284003, Tel. 07409960028, 09411195450(M); Email: ak\_gupta2k@rediffmail.com, directoreducation.rlbcau@gmail.com
- KUMAR, ASHOK, M.Sc., Ph.D., J.T.O., C/o Sri Jugeshwar Pd., Professor's Colony, Shiv Puri, P.O.Shastri Nagar, PATNA 800023
- **KUMAR**, **ASHOK**, M.V.Sc., Ph.D., DRDT(Illinois), Consultant Animal Biochemistry, Mol. Biology & Biotechnology; Formerly Principal Scientist of Biochemistry, Indian Veterinary Research Institute; Res. 64-Mandal Vihar, IVRI Road, IZATNAGAR- 243122; Tel. 0581-2310007(R), 09458452485(M), Email: drashokkum@rediffmail.com
- KUMAR, ASHUTOSH, Ph.D., Assistant Professor, Lab No.606, Department of Biosciences and Bioengineering, Indian Institute of Science, Bombay, Powai, MUMBAI 400076, Res. Qtr.No. 165, C-22, Sahayadri, IIT Bombay, Powai, MUMBAI 400076, Tel. 022-25767762(O), 25768762(R), 08108681717(M); Fax: 25723480; Email: ashutoshk@iitb.ac.in
- KUMAR, BIRENDRA, Ph.D., Chief Scientist, Genetics & Plant Breeding Division, CSIR-Central Institute of Medicinal & Aromatic Plants, P.O. CIMAP, LUCKNOW 226015; Res. H.No. 4/558, Sector 4, PO Vikas Nagar (Near Vikas Nagar Thana), LUCKNOW 226022; Tel. 0522-2718508(O), 09450095841, 08004944535(M); Email : birendrak67@rediffmail.com, birendrak67@gmail.com, b.kumar@cimap.res.in
- KUMAR, BRIJESH, Ph.D., Scientist E, Aryabhatta Research Institute of Observational Sciences, Manora Peak, NAINITAL 263002; Tel. 05942-233734 Ext.111(O), 07351440011, 9927470408(M); Email: brij@aries.res.in, bkumar.aries@gmail.com
- **KUMAR, DEVESH,** DSc, Professor, Department of Physics, Babasaheb Bhimrao Ambedkar University, LUCKNOW 226025; Res. A-1/2-2, Babasaheb Bhimrao Ambedkar University, LUCKNOW 226025; Tel. 08081462145(M); Email: dkclcre@yahoo.com
- KUMAR, DHIRENDRA, M.Sc., Ph.D., FIFI, Retired Principal Scientist, CIFRI; Res. 50E/1M, Govindpur, (Near Raja Jim), PRAYAGRAJ 211004, Tel. 09451847502(M), Email: dkumar63@rediffmail.com
- **KUMAR, DINESH,** PhD, Associate Professor, R.No. 109, New CBMR Building, Centre of Biomedical Research, SGPGIMS Campus, Raebareli Road, LUCKNOW 226014, Tel. 08953261506, 08005409932(M), Fax: 0522-2668995, Email: dinesh@cbmr.res.in
- KUMAR, GOPENDRA, M.Sc., D.Phil., Chemistry Department, University of Botswana, P.Bag UB 00704, Gaborone, BOTSWANA, Tel. 267-3552481(O), Fax: 3554578; Email : kumarg@mopipi.ub.bw, gkumar50@hotmail.com

KUMAR, HEMANTH, M.Sc., Ph.D.(Lond.), FISCD, FRSH, FRSTMH, Officer in Charge, ICMR-National Institute of Malaria Research, Field Unit, Directorate of Health Services Building, Campal, Panaji, GOA - 403001, Tel. 0832-2222444, 2421149, 2222440(O), 09422388116(M); Email: hemanthkumar2007@gmail.com

- KUMAR, HIMANSHU, PhD, Professor of Laboratory of Immunology and Infectious Disease Biology, Department of Biological Sciences, Indian Institute of Science Education & Research Bhopal, Academic Building 3, Block C, Room No. 220, Bhopal By-Pass Road, Bhauri, BHOPAL -462066, Tel. 0755-2691413, 6691414(O), 08223015777(M); Fax: 6692392; Email: hkumar@iiserb.ac.in
- KUMAR, JITENDRA, Ph.D., Formerly Professor & Head, Materials Science, IIT Kanpur, Res. 654 Race Course Valley, Near Police Lines, DEHRADUN 248001, UK; Tel. 09450938992(M), Email: jkiitk@gmail.com, jk@iitk.ac.in
- KUMAR, JITENDRA, Ph.D., Post Doctoral Associate, Lab of Dr. Shahryar Kianian, 1551 Lindig Street, USDA-ARS, Cereal Disease Laboratory, University of Minnesoata, St. Paul, MN 55108, USA, Res. 1264 Fifield Avenue, St. Paul, MN 55108, USA, Tel. +1-6124176095(M); Email: jitsingh27281@gmail.com
- KUMAR, KRISHNA, M.Sc., D.Phil., Professor, Zoology Department, University of Allahabad, PRAYAGRAJ 211002
- KUMAR, M.Ś. MUKTESH, M.Sc., Ph.D., F.I.A.A.T.,F.S.B., Scientist F & Former Head, Forest Botany Department, Forest Ecology & Biodiversity Conservation Division, Kerala Forest Research Institute, PEECHI 680653, THRISSUR, Res. A-7, B-Block, Pentapark Apartments, Pottayil Lane, MG Road, Poothole, TRICHUR 680004, Tel. 0487-2389546(R), 09447694119, 09497356546(M); Email: muktesh.kumar@gmail.com;
- KUMAR, MAHESH, PhD, Professor, Electrical Engineering Department, Indian Institute of Technology Jodhpur, NH-65, Nagaur Road, Karwar, JODHPUR 342037, Tel. 0291-2801357(O), 3551836(R), 09116075710(M); Email: mkumar@iitj.ac.in; mkchahar1@gmail.com
- KUMAR, MUKESH, PhD, Associate Professor, #18, Super Academic Block, Department of Physics, IIT Ropar, Rupnagar, PUNJAB 140001, Tel. 01881-232462(O), 08968422263(M); Email: mkumar@iitrpr.ac.in
- KUMAR, NARINDER, M.Phil., Ph.D., Professor, Department of Statistics, Panjab University, CHANDIGARH - 160014, Res. E-1/17, Panjab University Campus, Sector 14, CHANDIGARH - 160014, Tel. 0172-2534536(O), 2541362(R), 09815340648(M); Email: nkumar@pu.ac.in; nkumar67@yahoo.com
- **KUMAR**, **NISHANT**, PhD, Senior Scientist & In-charge, Artificial Breeding Research Centre, ICAR-National Dairy Research Institute, KARNAL 132001, HARYANA, Tel. 0184-2259331(O), 07056535724(M); Email: drnishantvet@yahoo.com
- KUMAR, PANKÁJ, Scientist F, Accelerator Mass Spectromerty & Geochronology Division, Inter University Accelerator Center, Aruna Asaf Ali Marg, PO Box 10502, NEW DELHI 110067, Tel. 011-24126018(O), Ext.7482(R), 09958247857(M); Fax: 24126036; Email: baghelpankaj@gmail.com; pkb@iuac.res.in;
- KUMAR, PAWAN, M.Sc., D.Phil., Specialist (Environment), Narmada Control Authority, 27, Press Complex, A.B. Road, INDORE 452008
- KUMAR, PRADEEP, D.Phil., Professor, Department of Physics, University of Allahabad, PRAYAGRAJ

**KUMAR**, **PRAVEEN**, Assistant Professor, Department of Materials Engineering, Indian Institute of Science, BANGALORE - 560012, Tel. 080-22933369(O), 23604142(R), 09945306436(M); Email : praveenk@materials.iisc.ernet.in; praveenk.iisc@gmail.com;

- KUMAR, PRAVEEN, PhD, Assistant Professor, School of Materials Science, Indian Association for the Cultivation of Science, KOLKATA 700032, Tel. 033-24734971 Ext. 2168(O), 07696007516(M); Fax: 24732805; Email: praiitr@gmail.com; praveen.kumar@iacs.res.in;
- KUMAR, PRAVIN, PhD, Scientist G & In-charge of Low Energy Ion Beam Facility (LEIBF), Inter University Accelerator Centre, Aruna Asaf Ali Marg, NEW DELHI - 110067, Tel. 011-24126018/22/24/25/26/29/45/46(O), 09868243245(M); Fax:24126041; Email: pravin@iuac.res.in; vishakhapk @gmail.com;
- KUMAŘ, RAJ, MD, FRCP, FAMS, FICAAI, FICS, FNCCP, Director & Head, Respiratory Allergy & Applied Immunology & Head, National Center of Respiratory Allergy, Asthma and Immunology, Vallabhbhai Patel Chest Institute, University of Delhi, DELHI – 110007, Tel. 011-27667993, 09810146835(M); Fax: 27666549; Email: rajkumarvpci@gmail.com
- KUMAR, RAJ, MCh, MRCS, FRCS, MAMS, FASET, Professor & Head, Department of Neurosurgery, S.G.P.G.I.M.S., LUCKNOW - 226014, Tel. 0522-2494107(O.T.), 2494735(C), 2494741,4157(O), 2494158(R); Fax: 4668017, 4668129; Email : rajkumar@sgpgi.ac.in; rajkumar1959@gmail.com
- KUMAR, RAJENDRA, Ph.D., Principal Scientist, Division of Genetics, ICAR-Indian Agricultural Research Institute, NEW DELHI 110012; Former DG, UP Council of Agricultural Research); Tel. 011-25841481(O), 08004910406, 09837757018(M); Email: rajendrak64@yahoo.co.in, profrajendrak64@gmail.com
- KUMAR, RAJESH, PhD, Professor of Physics, University School of Basic & Applied Sciences, Guru Gobind Singh Indraprastha University, Dwarka, Sector 16C, NEW DELHI 110078, Tel. 011-25302406(O), 25302966(R), 09718876101(M); Email : rajeshkumar@ipu.ac.in; kumarrpi@gmail.com
- **KUMAR, RAJIV**, PhD, Assistant Professor, Centre of Experimental Medicine & Surgery, Institute of Medical Sciences, Banaras Hindu University, VARANASI 221005, Tel. 09162666554, 08299213259, 09935940735 (M); Email: rajiv.kumar@bhu.ac.in; rajiv082@yahoo.com
- KUMAR, RAJNEESH, M.Sc., M.Phil., Ph.D., Professor, Department of Mathematics, Kurukshetra University, KURUKSHETRA - 136119; Res. House No. 801, Ward No. 19, Amin Road, Opposite Shakti Rice Mill, KURUKSHETRA - 136118; Tel. 01744-238410 Ext. 2499, 2575(O), 292644(R), 09416120992(M); Email:rajneesh\_kuk@rediffmail.com
- KUMAR, RAKESH, Ph.D., Professor & Head, Department of Zoology, Govt. PG College (Sri Dev Suman University Campus), RISHIKESH 249201; Res. 53, Ashok Vihar Lane No. 2 (Near Surya Hospital), Haridwar Bypass, Azabpur Kalan, DEHRADUN;Tel. 09412927443, 09557387323 (M); Email: rkneuron@gmail.com, confpth2013@gmail.com
- KUMAR, RAKESH, PhD, Senior Principal Scientist, Agrotechnology Division, CSIR-IHBT Palampur, PALAMPUR 176061, HP, Tel. 01894-230411(O), 292743(R), 09418067763(M); Fax : 230433; Email : rakeshkumar@ihbt.res.in

**KUMAR, RANJEET RANJAN,** PhD, Senior Scientist, Room No.311, Biochemistry Division, Indian Agricultural Research Institute, Pusa Campus, NEW DELHI - 110012, Tel. 08368958133, 09968563788(M); Email: ranjeetranjaniari@gmail.com; ranjeet.kumar@icar.gov.in

- KUMAR, RANJIT, M.Sc., Ph.D., Assistant Professor in Chemistry, Faculty of Science, Dayalbagh Educational Institute (Deemed University), Dayalbagh, AGRA- 282005, Res. 52, Radha Nagar, Dayalbagh, AGRA 282005, Tel. 0562-2801545(O), 09837338561(M), Fax: 2801226, Email: rkschem@rediffmail.com
- KUMAR, SACHIN, PhD, Professor, N103 Academic Complex, Biosciences & Bioengineering Department, Indian Institute of Technology Guwahati, GUWAHATI 781039, Tel. 361-2582229(O), 2910219(R), 07896024650 (M); Fax: 2582249; Email: sachinku@iitg.ac.in; sachin22vet@gmail.com
- **KUMAR, SANGAM,** M.Sc., Ph.D., LL.B., Associate Professor, P.G. Department of Physics, L.S. College, B.R.A. Bihar University, MUZAFFARPUR 842001, Tel. 09905222295(M); Email : kumar\_sangham@rediffmail.com, kumarsangam.phy@gmail.com
- **KUMAR, SANJEEV,** PhD, Principal Scientist, Agricultural Biotechnology, Division of Crop Improvement, ICAR-Indian Institute of Sugarcane Research, Raibareli Road, PO Dilkusha, LUCKNOW 226002, Tel. 09415224064, 09305054565(M), Email : sanjeeviivr@gmail.com; sanjeev.kumar7@icar.gov.in
- KUMAR, SANTOSH, M.Phil., Ph.D., Professor & Dean, Rani Durgawati University, JABALPUR, Res. H.No. 992/3036, Jabali Dant Chikitsalaya, Survey of India Chauraha, Behind SBI Qtrs, Vijay Nagar, JABALPUR 482001, Tel. 0761-2644374(R), 09827391761(M); Email: s\_kumar123@rediffmail.com
- KUMAR, SARVESH, M.Sc., Ph.D., Professor & Head, Department of Zoology, D.S.B. Campus, Kumaun University, NAINITAL 263002, Tel. 05942-236785(O), 236602, 236914(R)
- KUMAR, SHAILESH, PhD, Scientist, Lab 202, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, NEW DELHI 110067, Tel. 011-26735217, 26735149(O), 09870531899(M); Email: shailesh@nipgr. ac.in
- KUMAR, SOMESH, Ph.D., Professor, Department of Mathematics, Indian Institute of Technology, KHARAGPUR - 721302, Res. A-121, IIT Kharagpur, KHARAGPUR - 721302, Tel. 03222-283662(O), 283663(R), 09434051947(M), Fax: 255303, Email: smsh@maths.iitkgp.ac.in, smsh@iitkgp.ac.in
- **KUMAR, SUGAM,** PhD, Scientific Officer F, Solid State Physics Division, Bhabha Atomic Research Centre, MUMBAI 400085, Tel. 022-25596282(O), 08369761820(M); Email: sugam@barc.gov.in
- KUMAR, SUNDEEP, PhD, Principal Scientist, Division of Genomic Resources, National Bureau of Plant Genetic Resources, Pusa Campus, NEW DELHI-110012, Tel. 011-25842495(O), 46103433(R), 09717579629(M); Email : sundeep.kumar@icar.gov.in; sundeepk sharma77@rediffmail.com
- **KUMAR, SUNIL,** M.Sc., Ph.D., Scientist EII, Head, Microbiology & Plant Pathology Division, Central Instt. of Medicinal & Aromatic Plants, P.O. CIMAP, LUCKNOW 226 015

**KUMAR**, **SUNIL**, M.Sc.,Ph.D., F.A.E.B., Deputy Director, National Institute of Occupational Health, Meghari Nagar, AHMEDABAD - 380016, Tel. (079) 2686351, 352(O), 2831678(R); Email: sunilnioh@yahoo.com

- KUMAR, SUSHIL, PhD, Assistant Professor, V-214, Department of Applied Mathematics, USoVSAS, Gautam Budha University, GREATER NOIDA, GB NAGAR 201312, Tel. 0120-2344343(O), 09389983170, 08744950999(M), Email: sushil.kumar@gbu.ac.in; sushil12@gmail.com
- KUMAR, SUSHIL, PhD, Associate Professor, Dept. of Chemical Engineering, Motilal Nehru National Institute of Technology Allahabad, PRAYAGRAJ-211004, Tel. 0532-2271583(O), 09455421398(M); Email: sushilk@ mnnit.ac.in; sushilk2006@gmail.com
- KUMAR, TANKESHWAR, Ph.D., UGC Professor, Department of Physics, Panjab University, CHANDIGARH 160014, Res. F-23, PU Residential Area, Sector 25, CHANDIGARH 160014, Tel. 0172-2534449(O), 2727563(R), 09815991816(M); Fax: 2783336; Email: tankesh@pu.ac.in
- KUMAR, VIJAY L., Ph.D., Professor, Department of Pharmacology, All India Institute of Medical Sciences, Ansari Nagar, NEW DELHI - 110029; Res. 3266, Sector 23, GURGAON- 122017; Tel. 011-26593681(O), 0124-4202266(R); Fax: 26588663; Email: kumarvl98@hotmail.com
- KUMAR, VIJAY, M.Sc., Ph.D., F.A.Z., F.A.E.B., F.I.A.E.B., F.E.S.I., Formerly Head, Department of Zoology, M.S. College, SAHARANPUR; Res. 9/33, Indira Nagar, Lucknow 226016, Tel. 0522-2358946
- KUMAR, VISHAL, MBBS, MS(Ortho-PGI), FICS, FIAMS, FIMSA, FRCS(Glas), FRCS (Eng), FACS, Associate Professor of Orthopaedics, PGIMER, CHANDIGARH; Res. Teacher's Flat No. 24, PGIMER, Sector 12, CHANDIGARH 160012, Tel. 09914208789, 08360744013(M); Email: drkumarvishal@gmail.com;
- **KUMAR, VISHNU,** M.Sc., Ph.D., Reader in Botany, C-1, Teacher's Residence, Meerut University, MEERUT 250004
- KUMBHAT, R.K., M.Sc., Ph.D., Associate Professor, Deptt. of Maths & Statistics, J.N.V. University, JODHPUR - 342001
- **KUMPATI, PREMKUMAR,** MSc, PhD, FNABS, FABMS, Professor, Dept. of Biomedical Science, Bharathidasan University, TIRUCHIRAPPALLI 620024, TN, Tel. 08056589893(M); Fax: 0431-2407045; Email: premslab@gmail.com
- KUSHARI, D.P., M.Sc., Ph.D., Formerly Professor of Botany, Burdwan University, Res. Krishna Sayar Park (South), Post: Nutanganj, BURDWAN 713102; Tel. 0342-2565688(R); Email: botqt@burdwan.ernet.in
- KUTTY, BINDU M., MPhil, PhD, Professor, Department of Neurophysiology, Officer in Charge, Center for Consciousness Studies, National Institute of Mental Health & Neurosciences, Hosur Road, BANGALORE 560029, Tel. 080-26995170(O), 26560431(R), 09449789375, 09611202260(M); Fax: 2656830; Email: bindu.nimhans@gmail.com
- LAHA, RANJAN, PhD, Assistant Professor, Centre for High Energy Physics, Indian Institute of Science, BANGALURU 560012, Tel. 09339844075(M), Email: ranjanlaha@iisc.ac.in
- LAHIRI, INDRAJIT, M.Sc., Ph.D., Professor in Mathematics, University of Kalyani, B-1/146, Kalyani, District Nadia, WEST BENGAL 741 235; Tel. 09433466170(M), Email: ilahri@hotmail.com

LAKHANI, ANITA, M.Sc., Ph.D., B.Ed., Lecturer, Department of Chemistry, Faculty of Science, Dayalbagh Educational Institute, Dayalbagh, AGRA - 282005, Res. 3/215, Prem Nagar, Dayalbagh, AGRA - 282005, Tel. 0562-2801545(O), 09457815168(M); Fax: 2801226; Email: anitasaran2003@yahoo.co.in

- LAKSHMANAN, K.K., M.A.,M.Sc.,Ph.D., Formerly Professor & Head of Botany, Bharathiar University; Parsn-Nestle Colors, Row House Nr. 4, Nanjundapuram Road, COIMBATORE-641036, Tel. 0422-4220610(R); Email: kklaksh53@rediffmail.com
- LAKSHMI, VIJAI, M.Sc., Ph.D., Assistant Director, Medicinal Chemistry Division, Central Drug Research Institute, LUCKNOW 226001
- **LAKSHMIKANTAM, V.,** M.A., Head & Professor, Deptt. of Applied Mathematics, Florida Instt. of Technology, MELBOURNE FL 32901, USA
- **LAKSHMINARAYAN, G.,** Ph.D., Retd. Professor of Mathematics, J N T University Colony, No.6-3-563/D, Erramanzil Colony, HYDERABAD-500082
- LAL, BAL KRISHNA, M.Sc., Ph.D., Formerly Professor of Mathematics, BRA Bihar University; Lane 3, Shivpuri, West of Damuchak, MUZAFFARPUR 842001; Tel. 0621-2267052
- **LAL, BANSI,** Department of Mathematics, Jute Research Institute, BARRACKPORE, W.B.
- LAL, KANHAIYA, D.Phil., D.Sc., Director (Former), Sugarcane Research Institute, MUZAFFARNAGAR 251001, Res. A-28 "Ranjananilayam" Gitapalli (Alambagh), LUCKNOW- 226005, 0919410654199 (M); Email: dr.klal16@gmail.com
- LAL, KEEMTI, Ph.D., Sr. Reader, Chemistry Department, D.N. College, MEERUT - 250002
- LAL, KRISHNA, D.Phil., Formerly Professor of Mathematics, BHU; Res. A-19, Brij Enclave Colony, P.O. Sunderpur, VARANASI - 221005, Tel. 0542-2316487(R)
- LAL, M., Ph.D., D.Sc., Director, Rattan Institute of Technology and Management, Seoli Dist. PALWAL (Haryana), Res. House No. 908, Sector 9, FARIDABAD- 121006 (HARYANA), 09466753858 (M); Email: lalmange@yahoo.com
- LAL, OM PRAKASH, M.Sc.(Ag.), Ph.D.(W.Ger.), Type V, A-4, Pusa Campus, IARI, NEW DELHI 110012
- LAL, PAWANINDRA, MBBS, MS, DNS, MNAMS, FIMSA, FRCS(Ed), FRCS(Glasg), FRCS(Eng.), FACS, Professor of Surgery, Maulana Azad Medical College (University of Delhi) & Associated Lok Nayak Hospital, NEW DELHI 110002, Res. B-90, Swasthya Vihar, DELHI 110092, Tel. 011-23221921-30/222(O), 22541555, 22519334(R), Fax: 22534239, Email: profplal@gmail.com
- LAL, RAMA SHANKAR, M.Sc., D.Phil., Retd. Professor & Head of Mathematics & Principal, DAV College, Professor's Colony, Moh. Anandnagar, SIWAN 841226
- LAL, SATYA SHARAN, Ph.D., F.H.S.I., F.Z.S.I., Professor Emeritus and Former Head, Dept. of Zoology, C.C.S. University, MEERUT; Res. 193/5, Thapar Nagar, MEERUT; Tel. 0121-2420422(R), 09897048782(M)
- LAL, SHYAM, M.Sc., Ph.D., Former Director, MOEF; Plot No. 321-322, Ashola Extn. Colony, Bhati, (Near Radha Swamy Satsang, PH-IV), P.O. Fatehpur Beri, NEW DELHI 110074

LAL, SUNDER, M.Sc., M.Phil., Ph.D., Ex Vice-Chancellor; Ex Professor & Head, Department of Mathematics, Dr. B.R. Ambedkar University, Institute of Basic Science, Khandari, AGRA - 282002, Tel. 0562-6536122, 09412271718(M), Email: sunder\_lal2@rediffmail.com

- LALL, SURESH BEHARI, M.Sc., Ph.D., Formerly Head, Zoology Deptt., M.L. Sukhadia University, 80, Arihant Nagar, Panjabi Bagh, Kalkamata Road, UDAIPUR 313001, Tel. 0294-2414180, Email: dr\_sball@rediffmail.com
- LALTHANTLUANGA, R., M.Sc., Ph.D., Vice- Chancellor, Mizoram University Tanhril, AlZAWL 796004 (MAZORAM) Tel. 0389 2330650, 0943610165 (M); Email: tluanga10@gmail.com
- LARK, BHAJAN SINGH, Ph.D., Formerly Professor of Chemistry, GND University, Res. 157A, Dashmesh Avenue, P.O. R.S. Mills, AMRITSAR 143104, Tel. 0183-2257011, 09814574377(M); Email: dr.bslark@gmail.com
- LATA, CHARU, PhD, Head, Inclusive Health & Traditional Knowledge Studies Division, CSIR-National Institute of Science Communication and Policy Research, (NIScPR), 14 Satsang Vihar Marg, NEW DELHI 110067; Tel. 011-26964473(O), 0120-3542368(R), 09958424684(M); Email: charulata@niscpr.res.in; charulata14@gmail.com
- LAVALE, SUBHASH GOPAL RAO, M.Sc., Ph.D., F.I.C., F.E.C.S.I., Professor of Chemistry, J.H. Govt. P.G. College, BETUL (M.P.) 460001
- LAVANIA, SESHU, Ph.D., CSIR Emeritus Scientist, Department of Botany, University of Lucknow, LUCKNOW 226007, Res. 4/221, Vivek Khand, Gomti Nagar, LUCKNOW 226010, Tel. 0522-3596674(R), 09415545489(M); Email: lavaniaseshu@yahoo.co.in
- **LAXAMI, A.B.,** Department of Mathematics, D B S College, Kumaun University, NAINITAL
- **LEE, SURESH MOSES,** M.Sc., Ph.D., Former Raja Ramanna Fellow and Outstanding Scientist, Department of Atomic Energy; Res. 93/1, Velachery Road, Guindy, CHENNAI 600032, Tel. 09444600302(M); Email: sureshlee@rocketmail.com
- LOHANI, ANAND BALLABH, M.Sc., Ph.D., Formerly Professor of Mathematics, Kumaun University, Nainital; Res. Windsor Cottage, Mallital, NAINITAL, UTTARAKHAND - 263001; Tel. 05942-237489, 09410141789(M)
- LOHIA, ANURADHA, M.Sc., Ph.D., Senior Scientist, Department of Biochemistry, Bose Institute, P1/12 CIT Scheme VII M,CALCUTTA - 700 054
- LOKESH, BELUR R., Ph.D., Chief Scientist, Director, S&T Unit, Department of Lipid Science and Traditional Foods, Central Food Technological Research Institute, MYSORE 570020; Res. HIG-27, Ramkrishna Nagar, J Block, MYSORE 570022; Tel. 0821-2514153(O), 2516310(R), 09845100516(M); Fax: 2517233; Email: lokesh\_lipids@yahoo.co.in
- LOKHANDE, RAMA SADASHIV, M.Sc., Ph.D., Research Director & Director, School of Basic Sciences, Jaipur National University, Jaipur; Former Professor of Chemistry, University of Mumbai; Res. 'Kumudini', Plot No. 120, Ajantha Co-op Hsc.Society, Nandivali Road, Dombivli 421202, Dist. Thane; Tel. 07737361802(M); Email: lokhanderama sadashiv1950@gmail.com
- LOMTE, VIJAY SHIVAJIRAO, M.Sc., Ph.D., Professor and Director, BCUD, Department of Environmental Sciences, Dr.B.R. Ambedkar Marathwada University, AURANGABAD - 431004

LOPUS, MANU, MSc, PhD, FRSB, FRSC, FMASc, Reader, School of Biological Sciences, UM-DAE Center for Excellence in Basic Sciences, University of Mumbai Kalina Campus, Vidyanagari PO, MUMBAI - 400098, Tel. 022-26530226(O), Email: manu.lopus@cbs.ac.in;

- LUQMAN, SUAIB, Ph.D., Senior Principal Scientist (CSIR-CIMAP) & Professor (AcSIR), CSIR-Central Institute of Medicinal and Aromatic Plants, PO CIMAP, Kukrail Picnic Spot Road, LUCKNOW-226015, Res. 85 Mayur Residency Extension, Faridi Nagar, Indira Nagar, LUCKNOW 226016, Tel. 0522-2718635(O), 09450904995(M); Fax: 2716141; Email: s.luqman@cimap.res.in
- MADHYASTHA, NAGAPPAYYA M., M.Sc., Ph.D., Vinyas, Prashanath Nagar, B/H Derebail Church, MANGALORE 575006; Email: madhyasthamn@yahoo.co.uk, mattu@dataone.in
- MAHADEVAN, C.K., Ph.D., D.Sc., FASCh, CSIR Emeritus Scientist, Department of Physics, Bharathidasan University, TIRUCHIRAPPALLI – 620024, TN, Res. Ananda Illam, 4-134/B-39, Kamarajar Nagar Colony, Erumbukkadu (P.O.), NAGERCOIL - 629004, TN, Tel. 09442161237(M); Email: mahadevan58@yahoo.co.in
- MAHAJAN, AVINASH, Ph.D., Associate Professor, Department of Physics, IIT Bombay, Powai, MUMBAI 400076; Res. C-43, Bldg.No. 7, IIT Campus, Powai, MUMBAI 400076; Tel. 022-25767573(O), 25768573(R); Fax: 25723480; Email: mahajan@phy.iitb.ac.in
- **MAHAJANI, A.V.,** Principal Investigator, 18 (IV), Asawari, 4 Shivaji Nagar, North Ambazari Road, NAGPUR 440010
- MAHANTA, JOYASREE GOSWAMI, M.Sc., Lecturer, Cotton College, c/o Sri P.K. Mahanta, Former Chief Minister, 63 Old MLA Hostal, Dispur, GUWAHATI 781006
- MAHANTI, MAHENDRA KUMAR, M.Sc., Ph.D., Professor of Chemistry, NISER, BHUBANESWAR-751005; Res. Plot No. 401, BJB Nagar, Lewis Road, BHUBANESWAR-751014, Tel.0674-2430030(R), 09938423968(M); Email: mkmahanti@gmail.com
- MAHANWAR, PRAKASH ANNA, PhD, Professor (Polymer Technology), Polymer & Surface Engg. Dept. Institute of Chemical Technology, NM Parekh Marg, Matunga, MUMBAI 400019, Tel. 09324134190(M), Fax: 022-233611020, Email: pa.mahanwar@ictmumbai.edu.in; pmahanwar@yahoo.com
- MAHAPATRA, PRABHU PRASAD, M.Sc., Ph.D., F.I.C., Former Principal, Government Autonomous College, BHAWANIPATNA; Res. Nandighos Apartments, Apartment No. 103, (Goilundi Road), BERHAMPUR 760002, GUNJAMTel. 230224(R), 09437294385(M); Email: gacb@rediffmail.com
- MAHESHWARI, DEVI H., B.Sc.(Hons.), M.Sc., D.Sc, Reader in Botany, Andhra University, WALTAIR (AP)
- MAHESHWARI, HARI SHANKER, M.Sc., Ph.D., LL.B., FISC, Formerly Professor & Head of Criminology & Forensic Science, Dr. H.S. Gour University, SAGAR; Res. C/o Ranchhodilal Radhelal Maheshwari, Katra Bazar, SAGAR- 470 002, Tel. 07582 244046, 249411(R), 09826359735(M); Email: hsmaheshwari@yahoo.com
- MAHESHWARI, SURESH CHANDRA, M.Sc., Ph.D., Retired Principal, JB College of Science, WARDHA; Res. Flat No. 2, Yeshwant Apt., Laxmi Nagar, WARDHA 442001; Tel. 07152-240025(R), 07588242393, 09456669703(M); Email: scmaheshwari1@rediffmail.com

MAHESHWARI, VINOD KUMAR, M.Sc., Ph.D., F.P.SI., F.S.S.T., Chief Technical Officer, I.A.R.I. Regional Station, KARNAL - 132001, Tel. 0184-2267169(O), 2206946(R), 09466031836(M); Fax: 2266672; Email: vinodmaheshwari56@gmail.com

- MAHESWARAPPA, NAVEENA B., ICAR-National Fellow, ICAR-National Research Centre on Meat, Chengicherla, Boduppal Post, HYDERABAD-500092, Tel. 040-42215196(O), 09951745870(M); Fax: 29804259; Email:naveenlpt@rediffmail.com; maheswarappa.naveenlpt@gmail.com;
- MAHTO, SANJEEV KUMAR, PhD, Associate Professor and Coordinator (HoD), School of Bio-Medical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi-221005; Tel. 0542-7165117(O), 07617052884(M); Email: skmahto.bme@iitbhu.ac.in, sanjeevyou@yahoo.co.in
- MAIKHURI, RAKESH KUMAR, M.Sc., Ph.D., Professor, Department of Environmental Sciences, HNB Garhwal Central University, SRINAGAR GARHWAL, Uttarakhand 246174; Res. Amara Kunj, Bugani Road, SRINAGAR GARHWAL 246174; Tel. 09410392632(M); Email: rkmaikhuri89@gmail.com, rkmaikhuri@rediffmail.com
- MAISHI, ARIF ISMAIL, M.D., PhD, Professor, Medical Specialist & Scientist, Editor-in-Chief Acta Clinica Scientia Hahnemann Hospital &; Institute of Medical Research, 26, Mughalpura, Babe Aali Road, Shahjahanabad, BHOPAL 462001; Email: maishi\_29@yahoo.co.in
- MAITRA, GAURANGI, Scientist, DBT Nodal Centre for Medical Colleges and Biomedical Research in North East India, Tezpur University, TEZPUR 784028; Tel. 03712-267045 Ext. 5446, 5420(O), 09678009553(M); Fax: 267045; Email: gaurangimaitra@yahoo.com
- MALEYVAR, R.P., M.Sc., Ph.D., Formerly Professor & Head of Zoology, Kurukshetra University; Res. 575, Bahawalpur CGHS, Plot No. 1, Sector-4, Dwarka, NEW DELHI - 110078, Tel. 011-42720450, 09968098557(M); Email: rajendra77m@gmail.com
- MALHOTRA, J.C., M.Sc., A-49 Hauz Khas Enclave, NEW DELHI 110016 MALHOTRA, NAGESHWAR, J.R.F., Chemistry Department, G N D University, AMRITSAR
- MALHOTRA, NEENA, M.Sc., Ph.D., Formerly Asstt. Professor, HPU; Res. 140, Vista Villas, Greenwood City, Sector-46, GURGAON 122003
- MALHOTRA, PAWAN, M.B.B.S., Research Officer, ICMR Centre for A.D.R., Monitoring, Department of Pharmacology, Government Medical College, JAMMU
- MALIK, FAYAZ AHMAD, Scientist, Division of Cancer Pharmacology, CSIR-Indian Institute of Integrative Medicine, Canal Road, J&K 180001, Tel. 0191-2585006/9, 2585010/13(O), 09419187187(M); Email : fmalik@iiim.ac.in;
- MALKHEDE, DIPALEE DILEEP, Ph.D., Professor, Department of Chemistry, SP Pune University, PUNE 411007, Tel. 020-25693981(O), 09503266913(M); Fax: 25691728; Email: ddm@chem.unipune.ac.in;
- MALL, S.B., M.Sc., D.Phil., F.E.S.I., F.A.Z., (Retd.) Reader in Zoology, Christ Church College, KANPUR - 208001, Res. Subhedar Niwas, 4/278A, Vishnu Puri, KANPUR - 208002, Tel. 0512 - 2544524 (R), 09415406018(M)
- MALLA, NANCY, M.D., (Microbiology) F.A.M.S., Former Professor & Head, Department of Medical Parasitology, P.G.I. Medical Education & Research, CHANDIGARH - 160012, Tel. 0172-2571685(R); Email: drmallanancy@gmail.com

MALLICK, BIBEKANAND, Ph.D., Associate Professor & HOD, Department of Life Sciences, RNAi & Functional Genomics Lab, National Institute of Technology, ROURKELA - 769008, Res. NIT Campus, NIT Rourkela, ROURKELA - 769008, Tel.0661-2462685(O),2463685(R), 09178096433 (M); Email: vivek.iitian@gmail.com

- MALVEY, PRABHAKAR, M.Sc., Ph.D., Lecturer, Department of Botany, Osmania University, HYDERABAD 7
- MALVIYA, S.C., M.Sc., Dr.Rev.Nat., Dean, College of Basic Sciences, Pant Nagar Agri. University, PANT NAGAR
- MAMIDIPUDI, GHANASHYAM KRISHNA, Ph.D., Associate Professor, School of Physics, University of Hyderabad, C.R. Rao Road, Gachibowli, HYDERABAD-500046, Res. 502, Satguru Villa, Plot 7A-1, Engineers Colony, HYDERABAD 500073, Tel. 040-23134382(O), 66787884(R); Email: mgksp@uohyd.ernet.in
- MANCHANDA, ROHIT, Ph.D., Professor, Biomedical Engineering Group, Department of Biosciences and Bioengineering, Indian Institute of Technology Bombay, Powai, MUMBAI 400076, Tel. 022-25722545(O), Fax: 25723480, Email: rmanch@iitb.ac.in
- MANDAL, BALAJI PRASAD, Scientific Officer (G), Chemistry Division, Bhabha Atomic Research Centre, Mumbai 400085, Tel. 022-25592201(O), 09869923115(M); Email : bpmandal@barc.gov.in; bpmandal80@gmail.com;
- MANDAL, BIKASH, Ph.D., Senior Scientist, Division of Plant Pathology, Indian Agricultural Research Institute, NEW DELHI - 110012, Res. 5C, Scientist Apartment, Pusa, IARI, NEW DELHI - 110012, Tel. 011-25842134(O), 25842248(R), 09868616510(M); Email : leafcurl@rediffmail.com
- MANDAL, DASRATH, M.Sc., Ph.D., D.Phil., Reader, Department of Chemistry, Patna University, PATNA, Email: parvesh.127@gmail.com
- MANDAL, KRISHNA GOPAL, Ph.D., Post-Doc, FNABS, FAScT, FISA, FIWRS, FISOR, FISCAR, Director, ICAR-Mahatma Gandhi Integrated Farming Research Institute (MGIFRI), PIPRAKOTHI 845429, Motihari, Bihar; Tel. 09438184806, 09861161434(M); Email: kgmandal@gmail.com; director.mgifri@icar.gov.in
- MANDAL, MANAS KUMAR, Ph.D., FNAPsy, Distinguished Scientist & Director General (Life Sciences), DRDO Bhawan, Rajaji Marg, NEW DELHI 110011; Res. C-4, Service Officers' Flat, EMU (DRDO), DRDO Residential Complex, Lucknow Road, Timarpur, DELHI 110054, Tel. 011-23016976, 23014259(O), 23926895(R); Fax: 23014259; Email: mandalmanask@yahoo.com
- MANE, UDAY HARISHCHANDRA, M.Sc., Ph.D., Professor, Director of Centre for Coastal & Marine Biodiversity (Ratnagiri); Department of Zoology, Dr. B. Ambedkar Marathwada University, AURANGABAD-431004; Tel. 0240-2400431-36 Ext. 462(O), 2400935(R), 09823067058 (M); Fax: 0240-2400291; Email: director\_ccmb@hotmail.com
- MANGRAUTHIA, SATENDRA KUMAR, Ph.D., Senior Scientist, Biotechnology Section, ICAR-Indian Institute of Rice Research, Rajendranagar, HYDERABAD 500030, Res. Flat # 509, Lahari's Fort View Apartment, Hyderguda, Attapur, HYDERABAD 500048, Tel. 040-24591342(O), 09346533605(M); Fax : 24591217; Email : skmdrr@gmail.com

MANI, DINESH, M.Sc., D.Phil., D.Sc., Professor, Department of Chemistry, University of Allahabad, Sheila Dhar Institute of Soil Science, 5, Lajpatrai Road, PRAYAGRAJ - 211002; Tel. 09415235493(M); Email: dineshmanidsc@gmail.com

- MANI, GOPAL KRISHNA, M.Sc., Ph.D., Asstt.Professor of Zoology, 28, Vivekanand Colony, University Road, GWALIOR
- MANIVEL, PONNUCHAMY, Ph.D., Principal Scientist (Plant Breeding) & Head, ICAR-NIRCA Research Station, Vedasandur, Dindigal District 624710, TN; Res. Mangammalpatti, Karaikeni PO, Peraiyur TK, Madurai District 625702, TN; Tel. 02692-271605, 271606 Ext. 204(O), 09429543209(M); Fax: 271601; Email: manivelp@yahoo.com
- MANNA, BUDDHADEB, M.Sc., Ph.D., F.A.Sc., FZS, FHSI, Professor Emeritus, Department of Zoology, University of Calcutta; Res. 140A/11, Sarat Ghosh Garden Road, Dhakuria, Kolkata- 700031, Tel. 033-24753680-82(O), 24155928(R), Email: bmanna59in@yahoo.com
- MANWAL, DEVA DAS, Ph.D., CChem., FRSC(Lond.), CSci(UK), Eur.Chem., Former HoD & Professor, Dept. of Chemistry, Osmania University, HYDERABAD, Res. Flat No.103, Jaya Residency, Asmangadh, Malakpet, HYDERABAD 500036; Tel. 040-27682337(O), 24150168(R), 09959573363(M); Email: ddmanwaall@gmail.com
- MARSHAL, PhD, Associate Professor, Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, NEW DELHI – 110016; Tel. 011-26591356(O), 09652013844(M); Email : dhayalmarshal@gmail.com; marshal@iitd.ac.in
- MARTHA, SUBASH CHANDRA, PhD, Associate Professor, Department of Mathematics, Indian Institute of Technology Ropar, RUPNAGAR 140001, Tel. 01881-242306, 242287(O), 237309(R), 09855786765(M); Email: scmartha@iitrpr.ac.in; scmartha2022@gmail.com;
- MARUTHAMUTHU, P., Vice-Chancellor, Madurai Kamaraj University, Palkalai Nagar, MADURAI 625021; Tel. 0452-2459166(O), 2458220(R), 09842158190(M); Fax: 2458449; Email: vcmku@ rediffmail.com

  MASOOD, MOHAMMAD, M.Sc., D.Phil., Scientific Advisor & Executive
- MASOOD, MOHAMMAD, M.Sc., D.Phil., Scientific Advisor & Executive Secretary, Institute of Applied Sciences, PRAYAGRAJ; Res. 46/31B/11A Muirabad, PRAYAGRAJ-211002, Tel. 0532-2644073(O), 09452163807(M)
- MATHARU, RATTAN SINGH, M.A., Ph.D., Retd. Principal, Govt. PG Collège & Professor of Mathematics, H.No. 144, Near Trimurti Chauk, Sunder Nagar, Mahadeo Ghat Rd, RAIPUR 492013
- MATHEW, DEEPU, MSc, PhD, Assistant Professor, CPBMB, IT-BT Complex, KAU Post, Kerala Agricultural University, THRISSUR 680656, Tel. 0487-2438576(O), 2370228(R), 09446478503(M); Email : deepu.mathew@kau.in
- MATHUR, AJAY KUMAR, Ph.D., Former Chief Scientist & Presently The Consultant, Division of Plant Biotechnology, Central Institute of Medicinal & Aromatic Plants, PO CIMAP, LUCKNOW- 226015, Tel. 0522-2718656(O), 4104958(R), 09415419061(M); Email: akmcath@gmail.com
- MATHUR, KRISHNA CHANDRA, Ph.D. (Delhi), Ph.D. (Edinburgh), Formerly Professor of Chemistry, J.N.V. University, Jodhpur; Res. 26, Navbharat Niketan, 3A/246A, Azad Nagar, KANPUR 208002, Tel. 0512-2562748, 09336819448(M); Email: kcmathur1@rediffmail.com
- MATHUR, PRADÈEP KUMAR, M.Sc., Ph.D., Head, Zoology Department, D.A.V. College; Res. 7/183 Swarup Nagar, KANPUR 208002, Tel. 0512-2306687(O), 2214797(R)

MATTE, H.S.S. RAMAKRISHNA, PhD, Scientist D, Centre for Nano and Soft Matter Sciences, Arkavathi, Suvery No.7, Shivanapura, Dasanapura Hobli, BENGALURU - 562162, Tel. 080-29630257(O), 09533119922(M); Email: matte@cens.res.in

- **MATTHEWS, JAMES M.,** M.Tech., M.S., Ph.D., Dr.of Engg., Director, Transportation Engg. & Professor of Civil Engg., Temple University, 1247 North Broad Street, Room 515, Philadelphia, PA 19122, U.S.A.
- MAURYA, DEEPAK M., Ph.D., Professor, Department of Geology, Faculty of Science, The MS University of Baroda, VADODARA-390002, Res. E-2, Vikram Baug, Pratapganj, VADODARA 390002, Tel. 0265-2785560(O), 2783751(R), 09824438424(M); Email : dmmaurya@yahoo.com
- MAURYA, RAM CHARITRA, Ph.D., D.Sc., C.Chem., FIC, FRSC(UK), Former Professor & HOD of Science & Humanities, MITS; Coordination & Bioinorganic Chemistry Laboratory, Former Head, Department of Chemistry & Pharmacy, Rani Durgavati Vishwavidyalaya, JABALPUR 482001; Tel. 0761-2600484(O), 2601303(R), 09753074334(M), Fax : 2603752; Email: rcmaurya1@gmail.com
- MAYANNA, SANABHAGHATTA MAYANNA, M.Sc., Ph.D., Professor, Dept. of Post Graduate Studies in Chemistry, Central College, Bangalore University, BANGALORE 560 001, Tel. 080-2216060(O), 3301726(R); Fax: 3219295; Email: vcccvs@blr.vsnl. net.in
- MAZUMDAR, ANJANI KUMAR DAS, M.Sc., Ph.D., Professor of Chemistry, T.M. Bhagalpur University, BHAGALPUR 812007
- MAZUMDAR, DIPAK, Ph.D., FIIM., FANE, Ministry of Steel (GOI) Chair Professor, Department of Materials Science & Engineering, Indian Institute of Technology Kanpur, KANPUR 208016, Res. 421, Type IV, IIT Campus, IIT Kanpur, KANPUR 208016, Tel. 0512-2597328(O), 2598535(R), 09415134718(M), Fax: 2597505, Email: dipak@iitk.ac.in
- MEHANATHAN, MUTHAMILARASAN, PhD, Assistant Professor, The Millet Lab, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, HYDERABAD 500046, Telangana; Tel. 040-29552318(O), 09560969018(M); Email: muthamilarasan@gmail.com, muthu@uohyd.ac.in
- MEHER, PRABÍNA KUMAR, PhD, Scientist (Senior Scale), R.No.310, Training-cum-Admin, Block, Indian Agricultural Statistics Research Institute, Library Avenue, Pusa, NEW DELHI 110012, Tel. 011-25847121 Ext.4157(O), 09310714631(M); Email : meherprabin@yahoo.com; prabina.meher@icar.gov.in;
- MEHROTRA, P.N., M.Sc., Professor & Head, Department of Zoology, Ranchi University, RANCHI
- **MEHROTRA**, **RAVI**, MBBS, MD(Path.), DPhil, FRCPath, Director & Scientist G, Institute of Cytology & Preventive Oncology, I-7, Sector 39, NOIDA 201301, Tel. 0120 2578837, 2573225(O), 09415324211(M), Fax: 2579473, Email: rmehrotra@icmr.org.in, directoricpo@icmr.org.in
- MEHROTRA, S.L., M.Sc., FIE, FIETE, Formerly Lt. Gen., ADC, Signal Officer in Chief, Indian Army; G-406, Som Vihar, R.K. Puram, NEW DELHI 110022, Tel. 011-26168239, 09811513472 (M); Email: genslmehrotra@gmail.com
- MEHROTRA, VINAY SWARUP, M.Sc.Ag., D.Phil., Professor & Head, Dept. of Agriculture and Animal Husbandry, PSS Central Institute of Vocational Education, (PSSCIVE), Shyamla Hills, BHOPAL- 462013, Res. E-12, Shalimar Garden, Sarvadharm Sector, Kolar Road, BHOPAL; Tel. 09424485821(M); Email: drvs.mehrotra@gmail.com

MEHTA, ANAND SWARUP, M.Sc., Ph.D.(Lond.), FBS, Formerly Professor & Head, Botany Dept., Patna University; B-1, Friends House, Gandhi Nagar, Boring Road, PATNA- 800001, Tel. 0612-2572779

- MEHTA, BIPINCHANDRA HIRALAL, M.Sc.,Ph.D., M.A., Professor, Department of Chemistry, University of Mumbai, Vidyanagri, Mumbai 400098, Res. 4 Megha Co.Op.Hsg.Soc., Daftary Road, Malad (E), MUMBAI 400097, Tel. 28890891(R); Email: bipin\_281050@ yahoo.com
- MISHRA, AMIT KUMAR, Assistant Professor, Room No.1112, Academic Block-I, Indian Institute of Technology, Near Old Residency Road, Ratanada Circle, JODHPUR 342011, Tel. 0291-2449054(O), 07665144555(M); Email: amit@iitj.ac.in;
- MISHRA, ANAND PRAKASH, M.Sc., D.Phil., D.Sc., F.I.C., Professor of Inorganic Chemistry, Biocoordination Laboratories, Chemistry Department, Dr. H.S. Gour University, SAGAR-470003, Tel. 09425425938, 09479625938, Email : apmishrasagar@gmail.com, apmishra@dhsgsu.edu.in
- MISHRA, BHARTENDU NATH, B.Tech., M.Tech., Ph.D., Professor & Head, Department of Biotechnology, Institute of Engineering & Technology, Sitapur Road, LUCKNOW 226021, Res. D-202, Type IVB, Teachers Colony, Institute of Engineering & Technology, Sitapur Road, LUCKNOW-226021, Tel. 08795999945, 09415012030(M); Email: profbnmishra@gmail.com
- MISHRA, DEVENDRA DATTA, M.Sc., Ph.D., F.I.C.S., Ex. Principal, GGGC; Res. G-3/347 Gulmohar, E-8, Arera Colony, BHOPAL 462039, Tel. 0755-2427200(R), 09424476168(M); Email: mishradd15@ gmail.com
- MISHRA, DEVENDRA KUMAR, DPhil, Associate Professor, Department of Physics, Institute of Science, Banaras Hindu University, VARANASI 221005, Tel. 09450578401(M), Email: kndmishra@gmail.com
- MISHRA, GANGADHAR, M.Sc., Ph.D., Professor of Chemistry, Ranchi University, 4C/1, Professor Colony, Tagore Hill Road, Morabadi, RANCHI 834008
- MISHRA, GAURAV KUMAR, PhD, Scientist & Asst. Professor, Lichenology Laboratory, POSH Division, CSIR-National Botanical Research Institute, Rana, Pratap Marg, LUCKNOW-226001, Tel. 0522-2297851(O), 09415688614, 07705869936(M); Email : gmishrak@gmail.com; gauravk.mishra@nbri.res.in
- MISHRA, GYAN PRAKASH, PhD, Principal Scientist & Head, Division of Seed Science & Technology, Indian Agricultural Research Institute, Pusa, NEW DELHI 110012, Tel. 011-25841428(O), 08810254373, 08140128622(M); Fax: 258414817; Email: gyan.gene@gmail.com
- MISHRA, INDU, Ayurveda Charya, Vaidya (Doctor), c/o Formerly Prof. Yogendra Mishra, Reader, P.G. Department of Zoology, Samastipur College, SAMASTIPUR 848 134
- MISHRA, KAMLA PRASAD, Ph.D., Scientist F, O/o Director General (Life Sciences), DRDO-HQ, SSPL Campus, Timarpur, NEW DELHI 110054, Res. NCH-705, DRDO Complex, Timarpur, DELHI 110054, Tel. 011-23884409(O), 09868758401(M); Fax: 23810141; Email: kpmdipas@gmail.com
- MISHRA, KRISHNA KUMAR, M.Sc., Ph.D., Associate Professor (G), Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, V.N. Purav Marg, Mankhurd, MUMBAI-400088; Res. 407, Bhaskara, TIFR Housing Complex, Homi Bhabha Road, Navy Nagar, Colaba, MUMBAI 400005; Tel. 022-25072210(O), 09969078625(M); Fax: 25566803; Email: kkm@hbcse.tifr.res.in, vigyan.lekhak@gmail.com

MISHRA, KUMUDINI KANT, M.Sc., Ph.D., Professor, Department of Chemistry, Rani Durgavati University, JABALPUR - 482 001; Tel. 0761-2417823, 09893083340(M); Email: kkmishra.chem@gmail.com

- MISHRA, PRABHU NARAYAN, M.Sc., M.B.A., D.Phil., Professor, Instt. of Management Studies, Devi Ahilya University, INDORE 452001
- MISHRA, RAM BABU, M.Sc., Ph.D., Head, Department of Mathematics, Banaras Hindu University, VARANASI 221005, Res. Flat 31, Ellexy Apartment, Gandhi Nagar, Naria, VARANASI, Tel. 0542-2307435(O), 2318172(R), 09415389701(M); Fax: 2368174; Email: rbmishra\_bhu@yahoo.com
- MISHRA, RAMADHAR, M.Sc., Ph.D., Principal, V.B. Singh Government Degree College, Campierganj, Gorakhpur; 23J, Lachchhipur, Gandhi Nagar, 10 Number Boring, Gorakhnath, GORAKHPUR 273015, Tel. 0551-250122
- MISHRA, RATIKANTA, M.Sc., Ph.D., Scientific Officer (F), Chemistry Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Res. 4-A, Kailas, Anushakti Nagar, MUMBAI 400085, Tel. 022-25592460(O), 25527191(R), 09969085197(M), Fax: 25505151, Email: mishrar@barc.gov.in
- MISHRA, SABYASHACHI, PhD, Associate Professor, Department of Chemistry, IIT Kharagpur, KHARAGPUR 721302, Tel. 0322-2282328, 2282329(O), 09475373920(M); Email: mishra@chem.iitkgp.ac.in
- MISHRA, SANJAY KUMAR, PhD, Scientific Officer, Solid State Physics Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25594306(O), 09869735124(M); Fax: 25505151; Email: skmsspd@barc.gov.in; sanmishra\_it@yahoo.com;
- MISHRA, SEEMA, Associate Professor, Department of Chemistry, University of Lucknow, LUCKNOW 226007; Tel. 09415787993(M); Email: seema\_mishra2003@yahoo.co.in;
- MISHRA, SHASHI KANT, Ph.D., Head, Germplasm Evolution Division, National Bureau of Plant Genetic Resources, Pusa Campus, NEW DELHI 110012; Res. D-18, IARI, Pusa Campus, NEW DELHI 110012; Tel. 011-25848074(O), 25843189(R), 09811653506(M); Email: skmishra\_gene@rediffmail.com
- MISHRA, SHRI NIWAS, M.Sc., D.Phil., PES, F.L.S., Professor & Head of Botany, Govt. Model Science College, Parnkuti Anantpur, University Road, REWA 486002, 09827642557 (M); Email: sn\_mishra1954 @rediffmail.com
- MISHRA, U.C., D.Phil., F.I.C.S., Asstt. Manager, Bio-fertiliser Plant, Krishak Bharati Cooperative Ltd., Kribhco Nagar, SURAT 394515, Tel. 0261-8422088, 8420034 (4 Lines)(O), 2861313, 8422903(R); Fax: 84220038
- MISHRA, VISHAL, PhD, Assistant Professor, School of Biochemical Engg., IIT (BHU), VARANASI 221005, Tel. 09415962309(M); Email : vishal.bce@iitbhu.ac.in; mishrdch@gmail.com
- MISHRA, YOGENDRA, M.Sc., Ph.D., Formerly Professor of Zoology, Res. F/o Sri Amarnath Mishra, Amrik Singh Rathi, 1138/5 Patel Nagar, Gali No. 14, GURGAON
- MISRA, A.N., M.D., M.R.C.P.(Edin.), Lecturer in Medicine, Medical College, BHAGALPUR
- MISRA, ABHA, Ph.D., Associate Professor, Department of Instrumentation & Applied Physics, Indian Institute of Science, BANGALORE 560012; Res. ND-24, Housing Colony, IISC Campus, BANGALORE 560012; Tel. 080-22933198(O), 23604142(R), 09449682451(M); Email: abha. misra1@gmail.com

MISRA, ADITYA KUMAR, M.Sc., Ph.D., Sr. Lecturer in Chemistry, NMSN Dass (P.G.) College, 20 Saudagaran, BAREILLY - 243003

- MISRA, AMARENDRA NARAYAN, M.Sc., Ph.D., Professor, Department of Botany, University of Pune, PUNE 411007
- MISRA, ANIRBAN, PhD, Professor, Department of Chemistry, University of North Bengal, SILIGURI-734013, DIS.DARJEELING, Tel. 09434228745 (M); Email: misraanirban@gmail.com; anirbanmisra@yahoo.com
- MISRA, ARVIND KUMAR, Ph.D., Professor, Department of Mathematics, Institute of Science, Banaras Hindu University, VARANASI 221005, Res. E-Block, Warden's Quarter, Broacha Hostel, Banaras Hindu University, VARANASI 221005, Tel. 07521999874(R), 09450640474 (M), Email: akmisra@bhu.ac.in; akmisra\_knp@yahoo.com
- MISRA, ARVIND, D.Phil., Professor, Department of Chemistry, Institute of Science, Banaras Hindu University, VARANASI - 221005; Res. TF-28, Tyagraj Colony, BHU Campus, VARANASI - 221005; Tel. 09415646480 (M); Fax: 2368127; Email: arvindmisra2003@yahoo.com; amisra@bhu.ac.in
- MISRA, ASHWANI KUMAR, M.Sc., D.Phil., General Manager (Chem), ONGC, 195/1 Rajpur Road, Near Sai Dev Sthanam, DEHRADUN -248001
- MISRA, JITENDRA KUMAR, D.Sc., LL.B., PGDHRM, FBS, FNRS, Formerly Reader, Mycological Research Unit, Department of Botany, Sri JNPG College, LUCKNOW; Res. 16/1287 Indira Nagar, LUCKNOW 226016, Tel. 0522-2716216(R); 09415029071(M), Email: jitrachravi@gmail.com
- MISRA, MAHESHWAR, Ph.D., Physics Department, Gorakhpur University, GORAKHPUR
- MISRA, MARKANDEY, M.Sc., Ph.D., Associate Professor & Head, Department of Zoology, M.L.K.P.G. College, BALRAMPUR, UP, Tel. 05263-233666(R), 09415773310(M)
- MISRA, NISHA, M.Sc., Ph.D., Professor in Botany, DDU Gorakhpur University, 6-A, Munshi Colony, University Campus, GORAKHPUR 273009, Tel. 0551-334262, 09450878293(M); Email: nishamisra11 @yahoo.co.in
- MISRA, S.C.K., Scientist F, Deputy Director, National Physical Laboratory, Dr. K.S. Krishnan Marg, NEW DELHI- 110012
- MISRA, SHYAM SUNDER, B.V.Sc.& A.H., M.V.Sc., Ph.D., Formerly Professor & Head, Dept. of Surgery & Radiology & Dean, Veterinary College, HIG-2, Mahavidya Colony, Phase I, MATHURA 281003, Tel. 0565-2421294
- MISRA, VATSALA, M.B.B.S., M.D., F.I.C.Path, Professor & Head, Department of Pathology, M.L.N. Medical College, P-1, Professor's Enclave M.L.N. Medical College Campus, PRAYAGRAJ 211001, Tel. 0532-2256090(R), 09415214308(M); Email: vatsala.m@rediffmail.com; drvatsalamisra@gmail.com
- MISRA, VIRENDRA, M.Sc., Ph.D., FIC, FAEB, Former Chief Scientist, IITR, LUCKNOW, Res. 538K/1681, Near Water Tank, Triveni Nagar II, Sitapur Road, LUCKNOW 226020; Tel. 09450906714(M); Email: virendra\_misra2001@yahoo.co.in
- MITRA, SUDIP, PhD, Associate Professor, School of Agro & Rural Technology, Indian Institute of Technology Guwahati, GUWAHATI 781039, Tel. 0361-2583800(O), 09958806933(M); Email : sudipmitra@yahoo.com; sudipmitra@iitg.ac.in
- MITTAL, PRAMOD KUMAR, M.Sc., Ph.D., Principal, Government Degree College, Lansdowne, PAURI-GARHWAL

MITTAL, RANJAN, Ph.D., Head, Inelastic Neutron Scattering Section, Solid State Physics Division, Bhabha Atomic Research Centre, Trombay, MUMBAI–400085, Tel. 022-25594307(O), 25579492(R), 09969144710 (M); Fax: 25505151; Email: rmittal@barc.gov.in

- MODAK, BRINDABAN, PhD, Scientific Officer F, Theoretical Chemistry Section, Chemistry Division, Bhabha Atomic Research Centre, MUMBAI-400085, Tel. 022-25599023(O), 08356972761(M), Email: bmodak@barc.gov.in; bmodak.tcs@gmail.com
- MOGAL, H.F., M.Sc., M.Phil., Ph.D., Former Head of Microbiology, B.P. Baria Science Institute, NAVSARI, Res. C/o Dr. (Mrs.) S.B. Umrigar, B/401, Raj Ratna Complex, Nr. Raneshwar Mahadev Temple, Vasana Road, VADODARA 390015, Tel. 09825463187(M)
- MOHAMMAD, ALI, M.Sc., M.Phil., Ph.D., D.Sc., Professor (Retd.) and UGC-BSR Faculty Fellow, Department. of Applied Chemistry, Faculty of Engineering and Technology, Aligarh Muslim University, ALIGARH -202002; Res. Iqra Colony, Street No. 04, New Sir Syed Nagar, ALIGARH -202002; Tel.0571-2700920 Ext.3000(O), 09897785425(M); Email: mohammadali4u@rediffmail.com, alimohammad08@gmail.com
- MOHAMMAD, SHAKIR, M.Sc., M.Phil., Ph.D., Professor, Division of Inorganic Chemistry, Department of Chemistry, Aligarh Muslim University, ALIGARH 202002, Res. Street No. 6, IQRA Colony, Opposite IQRA Public School, New S.S. Nagar, ALIGARH 202002, Tel. 0571-2703515(O), 2700592(R), 9837430035(M), Fax: 2702758, Email: shakir078@yahoo.com
- MOHAN, CHAKRABHAVI DHANANJAYA, PhD, FRSB, Senior Scientist, FEST Division, CSIR-Indian Institute of Toxicology Research, Vishvigyan Bhawan, 31, Mahatma Gandhi Marg, Lucknow 226001, UP; Tel. 09663166681(M); Email: cd.mohan@yahoo.com; cd.mohan@iitr.res.in
- MOHAN, JAG, M.Sc., Ph.D., F.I.C., Professor & Head, Department of Chemistry, Maharshi Dayanand University, ROHTAK 124001, Tel. 01262-72598(O), 73748(R); Fax: 41132; Email: mdu@mdul.ernet.in
- MOHAN, NARENDRA, M.Sc., LL.B., Ph.D., UGC Emeritus Fellow, 2A/40, Azad Nagar, Nawabganj, KANPUR 208002, Tel. 0512-2560587, 09956672387(M); Email: drnmohan@rediffmail.com, drnmsaxena@gmail.com
- MOHAN, SHIV, Ph.D., Former Project Director, RISAT-UP/ISRO; Res. 4, AADIT Bungalows, Shiluj Road, Thaltej, AHMEDABAD 380054, Tel. 079-26850454(R), 09712128524(M); Email: shivmohan.isro@gmail.com
- MOHANTY, BIMAL PRASANNA, MVSc, PhD, ARS, FNAAS, FŽS, FIFSI, FZSI, FISEC, Assistant Director General (Inland Fisheries), Indian Council of Agricultural Research, 308, Krishi Anusandhan Bhawan II, Pusa, NEW DELHI 110012; Res. C-102, NASC Residential Complex, D.P. Shastri Marg, NEW DELHI 110012; Tel. 011-25842178(O), 09230618153(M); Email: bimal.mohanty@icar.gov.in, bimalmohanty12@gmail.com
- MOHANTY, SANGHAMITRA, President, Odisha Bigyan Academy, Plot No. B/2, Saheed Nagar, BHUBANESWAR 751007, Res. HIG-32, 7 Acres, Housing Board Colony, Chandrashekharpur, BHUBANESWAR 751016; Tel. 0674 2541085(O), 2744081(R), 09437141890, 09556152773(M); Fax: 2547256; Email: sanghamitramohanty1@gmail.com

MOHAPATRA, PRADIPTA KUMAR, M.Sc., Ph.D., Professor of Botany, Ravenshaw University, CUTTACK - 753003; Tel. 09437356901(M); Email: pradiptamoha@yahoo.com

- MOHAPATRA, SATYABRATA, PhD, Associate Professor, University School of Basic & Applied Sciences, Guru Gobind Singh Indraprastha University, Sector 16C, Dwarka, NEW DELHI 110078, Tel. 011-25302429(O), 25302959(R), 09910562090(M); Fax: 25302111; Email: smiuac@gmail.com, smohapatra@ipu.ac.in
- MOITRA, AMITA, M.Sc., Ph.D., Reader, P.G. Deptt. of Zoology, Bhagalpur University, BHAGALPUR 812007
- MONDAL, KALYAN KUMAR, Ph.D., Principal Scientist, Division of Plant Pathology, Plant Bacteriology Lab. #27, ICAR-Indian Agricultural Research Institute, Pusa Campus, NEW DELHI 110012, Res. 5B, Scientist Apartment, ICAR-IARI, Pusa Campus, NEW DELHI 110012, Tel. 011-25843474(O), 09868153461(M); Fax: 25840772; Email: mondal\_kk@rediffmail.com, kalyan.mondal@icar.gov.in
- MONDAL, MOHAN, B.V.Sc.& A.H., Ph.D., Senior Scientist, ICAR-National Dairy Research Institute, Eastern Regional Centre, A-12 block, Kalyani, Dist. NADIA 741235; Tel. 033-25828264(O), 08902258026(M); Email: drmmondal@gmail.com
- MONDAL, SUKANTA, M.Sc.,Ph.D., Principal Scientist, Type-IV, No.7, National Institute of Animal Nutrition & Physiology (NIANP) Campus, Adugodi, BANGALORE 560030, Tel. 080-25711164 Ext. 209(O), 25704030(R), 09449544315(M); Fax: 25711420; Email: sukanta781@gmail.com;
- MONDHE, ONKAR SANTOSHRAO, M.Sc., Ph.D., D.Y.Sc., A.I.C., C.Chem., Asstt. Govt. Examiner (Questioned Docu.), Krishnai Chikitsalaya, Mahavir Nagar, Near New Prabhat Colony, Badnera Road, AMARAVATI 444606, Tel. 0721-675848
- MOULIK (BHATTACHARYA), SUNANDA, M.Sc., M.Phil., Ph.D., F.B.S., Associate Professor & Head, Botany Department, Behala College, Parnasree, CALCUTTA 700 060; Res. Merlin Sapphire, 147-Upen Banerjee Road, Parnasree, KOLKATA-700060; Tel. 033-24015142(R), 09231499129(M); drsunandamoulik@gmail.com
- MUKHERJEE, ASHIS KUMAR, M.Sc., Ph.D., D.Sc, FRSB, Professor, Department of Molecular Biology and Biotechnology, Tezpur University, TEZPUR 784028, Res. House No. B-29, Tezpur University, TEZPUR 784028, Tel. 03712-275405(O), 09957184351(M), Fax: 267005, 267006, Email: akm@tezu.ernet.in
- MUKHERJEE, DILIP, M.Sc., Ph.D., Professor, Department of Zoology, Endocrinology Laboratory, University of Kalyani, KALYANI 741235, Res. 140B Sarat Bose Road, Avantika Apartment, KOLKATA 700029, Tel. 033-2582-8286/8478/8750 Extn.316(O), 09836627201(M), Fax: 5828282, Email: dilipmukher@rediffmail.com; dilipmukher@gmail.com
- MUKHERJEE, KALYAN KUMAR, M.Sc., Ph.D., Professor, Department of Botany, Cytogenetics Laboratory, Bose Institute, 93/1 A.P.C. Road, KOLKATA 700009, Tel. 033-3502402/03(O), 3344076(R); Fax: 3506790; Email: kalyan@bosemain.boseinst.ernet.in
- **MUKHERJEE, P.K.,** M.Sc., Ph.D., F.B.S., I.T.E.C., F.M.A.S., Formerly Professor & Head of Botany; Res. Opposite Hislop College, Shanti Vihar, Civil Lines, NAGPUR- 440001

MUKHOPADHAYAYA, MALAY KUMAR, M.Sc., M/s Khetan Udyug, B-40 2nd Phase, Industrial Area, Adityapur, JAMSHEDPUR - 832109, Tel. 07631009909(M)

- MUKHOPADHYAY, RADHANATH, MSc, PhD, FIFS, FBSB, Former Professor of Botany & Programme Coordinator (Phase I), CAS Botany Dept., The University of Burdwan, Res. 8/3, Dina Bandhu Mukherjee Lane, Shibpur, HOWRAH- 711102,Tel. 09433015696(M), Email: rnm.burdwan@gmail.com
- MULEY, D.B., Ph.D., Director, Govt. Institute of science, AURANGABAD 431001
- **MULLICK**, **U.P.**, Mg.Director & Sr.Consultant, Hope Jhonstone & Sons, 9 Hastings Street, CALCUTTA 700001
- MUNSHI, KAILASH NATH, D.Phil., D.Sc., Formerly Professor & Head, Department of Chemistry, Nagpur University Campus, NAGPUR 440033, Res. H-8, Shabri Apartments C-13, Ambazari Layout, Ramnagar Hill Top, NAGPUR 440033, 09372301202(M)
- MURAD, HUMAYUN, M.Sc., Ph.D., FRES, FESI, Formerly Professor of Zoology, Aligarh Muslim University; Res. 'Shagoofa-e-Niamat', 4/1263, Medical College Road, ALIGARH - 202002
- MURALIDHARAN, KRISHNAMURTHI, Professor, S-103, Chemistry Building, School of Chemistry, University of Hyderabad, Gachibowli, HYDERABAD 500046, Tel. 040-23134819(O), 09848160333(M); Email: murali@uohyd.ac.in;
- MURALIDHARAN, KUNNUMMAL, Ph.D., PDF, Professor & Head, Department of Statistics, Faculty of Science, MS University of Baroda, VADODARA 390002, Res. 301, Sri Hari Flats, 17 City Park Society, SAMA, VADODARA 390008, Tel. 0265-2794269(O), 2786470(R), 09879596190(M); Fax: 2795569; Email: muralikustat@gmail.com
- MURALIKRISHNA, GUDIPATI, PhD, FAFST(I), FACCT(I), Former Chief Scientist (Scientist G); Res. 187, Lahari, CFTRI Layout, Bogadhi 2<sup>nd</sup> Stage, MYSORE 570026; Tel. 0821-2516531(R), 09480382199(M); Email: krishnagm2002@yahoo.com
- MURTHY, ADITYA, Ph.D., Scientist V, National Brain Research Centre, Nainwal Mode, MANESAR 122050
- **MURTHY, NEMANI KRISHNA,** M.Sc., Ph.D., 7-13-1, Sridhara Nilayam, Opp. A.U. Outgate, Waltair 530017, Tel. (0891) 2550903
- MURTHY, S. NARASIMHA, M.Sc., D.I.I.T., Ph.D., Professor of Mathematics, No. 77/4, Second Cross, Second Main Road, Ganganagar Layout, BANGALORE - 560032, Tel. 08971153014(M); Email: simhamurthy44@ gmail.com
- MURTY, UPADHYAYULA SURYANARAYANA, M.Sc., Ph.D., PGDCM, Director Grade Scientist & Head, Biology Division, CSIR-IICT, Tarnaka, HYDERABAD 500607, Res. 12-13-733, St.1, Tarnaka Kinity Colony HYDERABAD-500017, Tel. 040-27193134(O), 27170639(R), 09440802794(M); Fax: 27193227; Email: murty\_usn@yahoo.com
- MURUGAN, MUTHTAMILSELVAN, PhD, Associate Professor, Department of Mathematics, Bharathiar University, COIMBATORE 641041, Tel. 0422-242416(O), 09788109948(M); Email: muthtamil1@buc.edu.in
- MURUGESAN, V., M.Sc., M.Phil., Ph.D., Professor of Chemistry and Director, Centre for Research, Anna University, CHENNAI 600025; Tel. 044-24411054, 22357023, 09444376464 (M); Email: V\_murugu@hotmail.com

MUTHU, M.S., MPharm, PhD, Professor in Pharmaceutics, Dept. of Pharm. Engg. & Tech., Indian Institute of Technology, Banaras Hindu University, VARANASI - 221005 (UP), Tel. 0542-2575878(O), 09235195928(M); Fax: 2368428; Email: msmuthu.phe@iitbhu.ac.in

- MUTHURAJAN, RAVEENDRAN, PhD, Professor (Biotechnology), Dept. of Plant Biotechnology, Tamil Nadu Agricultural University, COIMBATORE 641003, Tel. 0422-6611353(O), 09842181968(M); Email : raveendrantnau@gmail.com
- NAG, TAPAS CHANDRA, M.Sc., Ph.D., Professor, Department of Anatomy, All India Institute of Medical Sciences, Ansari Nagar, NEW DELHI 110029, Res. E-15, AV Nagar, Khelgaon Road, NEW DELHI 110049, Tel. 011-26546699(O), 26265931(R), 09654215492(M); Fax: 26588663, Email: tapas\_nag@yahoo.com, tapas\_nag@aiims.edu
- NAGABHSHAI, RADHA KONDA, Department of Zoology, Marathwada University, AURANGABAD
- NAGPAL, B.N., M.Sc., Ph.D., Asstt. Director, Malaria Research Centre, 20 Madhuban, Vikas Marg, DELHI 110 092, Tel. 011-22547983, Email: b\_n\_nagpal@hotmail.com
- NAIR, C. RAJAGOPALAN, M.Sc., D.Phil., C.Chem., M.R.I.C. (Lond.), Asst. Professor, Clinical Biochemistry Deptt., P.G. Institute of Med. Education & Research, CHANDIGARH
- NAIR, CHERUPALLY KRISHNAN KRISHNAN, M.Sc., Ph.D., FSB, FMAS, Hon. Director of Research, St. Gregorios Dental College & Research Centre, KOTHAMANGALAM 689101, Res. Harekrishna, Peechanikade, Puliyanam PO, ANGAMALY 683572, Tel. 0485 2571429, 2572529(O), 0484-2985426(R), 09446805426(M); Email: ckknair@yahoo.com
- NAIR, K. MADHAVAN, Ph.D., Scientist E, National Institute of Nutrition, Jamai-Osmania, HYDERABAD 500007, Res. LIG B-422, Dr. A.S. Rao Nagar, ECIL P.O., HYDERABAD 500062, Tel. 040-27197269(O), 27120369(R), 09849665422(M), Fax : 27019074, Email: nairthayil@gmail.com
- NAIR, RAJESH V., Ph.D., Associate Professor, Department of Physics, Indian Institute of Technology Ropar, RUPNAGAR 140001, Punjab; Res. No.11, Type IV, Residential Complex, IIT Ropar, RUPNAGAR 140001, Tel. 01881-242274(O), 09888904852(M); Email: rvnair@iitrpr. ac.in
- NAIR, RENUKA R., M.Sc., Ph.D., FAMS, Scientist G (Senior Grade), Division of Cellular & Molecular Cardiology, Sree Chitra Tirunal Institute for Medical Sciences & Technology, THIRUVANANTHAPURAM 695011, Tel. 0471-2524505(O), 2728889(R); Fax: 2446433, 2550728; Email: renuka@sctimst.ac.in
- NAIR, V.K. RAMACHANDRAN, M.Sc., Ph.D., Professor, Dept. of Statistics, Cochin University of Science & Technology, COCHIN 682022
- NAIR, VIJAYALAKSHMI R., M.Sc., Ph.D., D.Sc., FMBA, FSB, FIFA, Consultant, Marine Biology and Marine Pollution; Res. HB/50, Vijaya, South Bridge Avenue, Panampilly Nagar, KOCHI 682036, Tel. 0484-2316999(R); Email: vijayalakshmi40@hotmail.com
- NAJA, MANISH KUMAR, Ph.D., Scientist F, Aryabhatta Research Institute of Observational Sciences, Manora Peak, NAINITAL 263001, Res. Vaishali Colony, KATHGODAM; Tel. 05942-270773(O), 09411793315 (M); Fax: 233439; Email: manish@aries.res.in, manishnaja@gmail.com

NAMPOORI, V.P. NARAYANAN, Ph.D., Professor, International School of Photonics, Cochin University of Science & Technology, COCHIN - 682022, Tel. (0484) 532848(O), 542463(R); Email: vpnnampoori@cusat.ac.in

- NANDA, ASOK KUMAR, Ph.D., Professor, Department of Mathematics & Statistics, Indian Institute of Science Education and Research Kolkata, MOHANPUR 741246; Email: asok.k.nanda@gmail.com, asok@iiserkol.ac.in
- NANDA, NUTAN, Research Officer, Malaria Research Centre, 22 Shyam Nath Marg, DELHI 110 054
- NANDA, PRATIVA KUMARI, M.Sc., M.Phil., Ph.D., Reader in Botany, Shaila Bala Women's College, Cuttack, Buxi Bazar, CUTTACK-753001; Res. Flat No. 406, Chandralok Apartment, Professor Pada, PO College Square, Distt. Cuttack 753003; Tel. 0671-2414020(O), 2320060(R), 09437226645, 09437604410(M); Email: nanda\_pkn99@yahoo.com
- NANDA, SUDARSAN, Ph.D., D.Sc., Former Professor, IIT Kharagpur; Chintan Building, Campus 4, KIIT University, BHUBANESWAR 751024, Tel.0674-2725630,2725272(O),08763004008,09178445532(M); Fax: 2725481, 2725453, Email: snanda@kiit.ac.in
- NANDI, SAMIT KUMAR, PhD, FRSC, FNAAS, FISVS, FIAAVR, FSAB, Professor and Former Head, West Bengal University of Animal & Fishery Sciences WBUAFS; Res. Flat-4C, 4<sup>th</sup> Floor, 53/45, RN Guha Road, Golpark, KOLKATA 700028, Tel. 033-25569234(O), 09433111065(M); Email: samitnandi1967@gmail.com, drsknandi@wbuafscl.ac.in
- NANDI, SHYAMAL KUMAR, M.Sc., Ph.D., Former Professor & Group Head-EIA & CC, G.B. Pant National Institute of Himalayan Environment, Kosi-Katarmal, ALMORA-263643; Res. Appt. No. S-55, Ideal Enclave-2, Rajarhat Main Road, KOLKATA - 700136; Tel. 09411703555(M), Email: shyamal\_nandi@rediffmail.com
- NANDI, SUMANTA, Ph.D., Principal Scientist, ICAR-NIANP, Adugodi, BANGALORE 560030, Res. Apt No. 151, Sobha Morzaria Grandeur, Bannerghatta Road, Bangalore 560029; Tel. 080-25711164(O), 49668189(R), 09964310877(M); Email: snandi71@gmail.com, snandi71@yahoo.co.in
- NANDI, UTPAL, PhD, Senior Scientist, Pharmacology Division, CSIR-Indian Institute of Integrative Medicine, Canal Road, JAMMU 180001, J&K, Tel. 09419261216(M); Email: utpalju@gmail.com
- NAQVI, REHANA ABBAS, Central Mining Res. Station, Barwa Road, DHANBAD 826001
- NAQVI, S.M.K., Ph.D., Former Director, ICAR-CSWRI & P.S.; Res. J-34, Shanti Marg, Ashok Chowk, Adarsh Nagar, JAIPUR 302004; Tel. 09414440194, 08000131578(M); Email: naqvismk@yahoo.co.in
- NAQVI, SYED QAMAR ABBAS, M.Sc., M.Phil., Ph.D., FPSI, CIES(Paris), Former Professor, Plant Virology Lab., Department of Botany, Aligarh Muslim University, ALIGARH; Res. 332 Greater Azad Enclave, West Dahaorra, ALIGARH; Tel. 0571-2721763(R), 09412593463(M)
- NARAIN, ARUN SHANKER, M.Sc., Ph.D., Formerly Professor & Head, Department of Zoology, University of Gorakhpur, Laxmi Niwas, 2 Barood Khana, LUCKNOW 226018, Tel. 09919401566(R); Email: arunshanker.narain@gmail.com

NARAIN, GOPAL, Department of Chemistry, Government Degree College, RAIPUR

- NARAIN, NABIN KUMAR, M.Sc., D.Phil., Professor & Head, Department of Training and Placement and Students Welfare, National Institute of Technology (NIT), JAMSHEDPUR 831014; Res. Road No. 2, Q.No. 7/2/1, Adityapuri, JAMSHEDPUR 831013; Tel. 0657-2373408(O), 2371385, 3092898(R), 09834828142(M); Email: nk\_narain@rediffmail.com
- NARANG, AVTAR SINGH, M.Sc., Ph.D., Formerly Professor, Deptt. of Biochemistry, PAU, L-1/141 A DDA Flats, Kalkaji, NEW DELHI 110019, Tel. 011-26021651, 26028319
- NARESH, RAM, PhD, Professor, Dept. of Mathematics, School of Basic & Applied Sciences, Harcourt Butler Technical University, KANPUR 208002, Tel. 0512-2534001(O), 09415440665(M); Fax: 2533812; Email: rntripathi@hbtu.ac.in:
- NARSIMHAN, LINA, M.Sc., Visiting Professor, B.E.F.T., H.B.T.I., KANPUR NARSINGHANI, VENSIKUMAR GULABRAI, M.Sc., Ph.D., Professor, Deptt. of Plant Breeding and Genetics, J.N.K.V.V., JABALPUR 482 004
- NATARAJAN, KRISHNAMURTHY, Ph.D., Research Scientist, Immunology Group, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, NEW DELHI - 110067; Tel. 011-26176680(O), 25083574(R); Fax: 26162316; Email:natrajan@icgeb.res.in
- NATARAJAN, SARADHA, Ph.D., Professor, School of Mathematics, Tata Institute of Fundamental Research, Homi Bhabha Road, MUMBAI 400005, 704, Bhaskara, TIFR Housing Colony, Homi Bhabha Road, MUMBAI 400005, Tel. 022-22782654(O), 22804593(R), 09892361908 (M); Email: saradha@math.tifr.res.in
- NATESAN, USHA, B.E., M.Tech., Ph.D., D.Litt., Director, National Institute of Technical Teachers Training and Research, Taramani, CHENNAI 600113, Res. House No. 25, MIG 13 Block, 3<sup>rd</sup> Loop Street, Kottur Gardens, CHENNAI-600085, Tel. 09599958764(M); Email: u\_natesan@yahoo.com
- NATESH, S., Adviser Gr. I (Scientist H), Govt. of India, Ministry of Science & Technology, Department of Biotechnology, Block 2, 7th Floor, CGO Complex, Lodi Road, New Delhi- 110003; Tel. 011-24364064(O), Fax: 24364064; Email: natesh@dbt.nic.in
- NATH, GIRISHWAR, Ph.D., F.A.Sc., Formerly Professor of Mathematics, Indian Institute of Science, BANGALORE; Res. C/O Prof. S.K. Sinha, Type IV/17, KNIT Campus, Kamla Nehru Institute of Technology, SULTANPUR 228118; Tel. 05362-228061
- NATH, GYANENDRA, M.Sc., D.Phil., Formerly Director, DST, Res. I-91, Ground Floor, South City II, GURGAON 122001
- NATH, KEDAR, M.Sc., Ph.D., Former Deputy Director of Fisheries, S/O Late Prof. Krishna Nand, C-302, Celebrity Meadows (Ansal API), Sushant Golf City, LUCKNOW 226030; Tel. 09336855310(M); Email: 21kedarnath@gmail.com;
- NATH, MALA, Ph.D., Professor-Emeritus Fellow, Department of Chemistry, Indian Institute of Technology Roorkee, ROORKEE 247667; Res. 412, Solani Puram, ROORKEE 247667; Tel. 01332-285797(O), 270602(R), 9897135529 (M); Fax: 273560; Email : malanfcy@iitr.ac.in
- NATH, PATHAK RAVINANDAN, M.Sc., Ph.D., Dip-in-German, Reader in Chemistry, Tata College, CHAIBASA 833202

NATH, RAMAPATI, M.Sc., Ph.D., FPSI, FNSI, Formerly Professor of Nematology & Director Sugarcane Research, Bihar; Res. 401/A, Vishal Kamla Apartments, Munder Shah Colony, Road No. 2, Khajpura, PATNA– 800014, Tel. 0612-2591491, 09430034366(M)

- NATH, SUBIR, PhD, Scientist G, Inter University Accelerator Centre, Aruna Asaf Ali Marg, NEW DELHI 110067, Tel. 011-24126018(O), 24126034(R), 09953011090(M); Email : subir@iuac.res.in; subirnath.iuac@gmail.com;
- NATH, SURENDRA, M.Sc., Ph.D., FAZ, FZSI, FSIH, Formerly Professor & Head of Zoology, Res. Post Box No. 140, GPO Pacca Danga, JAMMU (TAWI) 180001, Tel. 0191-2595460(R)
- NATH, TAPAN KUMAR, PhD, Professor, Department of Physics, IIT Kharagpur, PO IIT Kharagpur, WEST MIDNAPORE 721302, Tel. 03222-283862, 283848(O), 283863(R), 09932952097(M); Fax: 255303; Email: tnath@phy.iitkgp.ac.in; tapnath@gmail.com
- NATH, VIRENDRA, M.Sc., Ph.D., FBS, FES, FPbS, FAPT, CSIR Emeritus Scientist, National Botanical Research Institute, R.P. Marg, LUCKNOW 226001, Tel. 0522-2297837(O), 2323523(R), 09415025032(M); Fax: 2205836, 2205839; Email: drvirendranath2001@rediffmail.com
- NAUTIYAL, ANANT RAM, M.Sc., D.Phil., Professor & Director, HAPPRC, HNB Garhwal University, Post Box No. 14, SRINAGAR GARHWAL 246174, Tel. 01368-251733, 252172(O), 252675(R); Fax: 252070; Email: arn@softhome.net
- NAUTIYAL, M.C., M.Sc., D.Phil., Professor & Director, High Altitude Plant Physiology Research Centre (HAPPRC), H.N.B. Garhwal University, P.B. No. 14, SRINAGAR GARHWAL 246174, Tel. 01346-252172, 253760(O), 09411154648(M); Fax: 252070; Email: mcnautiyal@gmail.com
- NAUTIYAL, PRAKASH, M.Sc., D.Phil., FNIE, Professor, Department of Zoology & Biotechnology, H.N.B. Garhwal University, P.O. Box 96, SRINAGAR 246174; Res. P11, Professor Colony, Chauras Campus, H.N.B. Garhwal University, SRINAGAR 246174; Telefax. 01370-267384(O), Email: pn.mahseer@yahoo.com
- NAVNEET, M.Sc., M.Phil., Ph.D., FBS, FPSI, Professor, Department of Botany & Microbiology, Gurukul Kangri (Deemed to be University), HARDWAR 249404, 07300761327(M); Email: navneetbithel@gmail.
- NAYAK, AMEEYA KUMAR, PhD, Professor, Department of Mathematics, IIT Roorkee, ROORKEE -247667, Tel. 01332-284777(O), 286777(R), 09634972590(M), Email: ameeya.nayak@ma.iitr.ac.in
- NAYAKA, SIDDAIAH CHANDRA, PhD, Professor (ICAR), DOS in Biotechnology, University of Mysore, Manasagangotri, MYSORE 570006, Tel. 0821-2419883(O), 09886640778(M); Email: moonnayak@gmail.com; chandranayak@appbot.uni-mysore.ac.in
- NEGI, ARVIND SINGH, Ph.D., Principal Scientist, Chemical Sciences Division, CIMAP, Kukrail Picnic Spot Road, LUCKNOW 226015; Res. 175 Mayur Udyaan, Faridi Nagar, P.O. CIMAP, LUCKNOW 226015, Tel. 0522-2718583(O), 09452158129(M); Fax : 2342666; Email : arvindcimap@rediffmail.com
- NEGI, DEVENDRA SINGH, M.Sc., D.Phil., FRSC, Professor, Department of Chemistry, HNB Garhwal University, SRINAGAR (GARHWAL) 246174, Res. P-14, Professor Colony, HNB Garhwal University Residential Colony, Chauras Campus, CHAURAS, Tel. 1370-267392(O), 267994(R), 09412029934(M); Email : devendra\_negi@yahoo.com, hodchem srinagar@gmail.com

NEGI, SHARAD SINGH, M.Sc., Ph.D., D.Sc., Director, Forest Research Institute, P.O. New Forest, DEHRADUN-248006, Res. 178, Subhash Road, DEHRADUN, Tel. 0135-2755277(O) 2719995(R), 09411173194(M); Fax: 2756865; Email: sharadnegi@hotmail.com

- NEHEMAIAH, A.K., M.Sc., Ph.D., Crusade Fellow, Hema Villa, 4, Rose Lane, Richmind, BANGALORE 560025
- NIGAM, RAVINDRA KUMAR, M.Sc., Ph.D., SRF, Reader, P.P.N. College, 106/29, Gandhi Nagar, KANPUR 208012; Res. 7/183, Swaroop Nagar, KANPUR 208002; Tel. 0512-2540069(O), 09839210115 (M); Email: goldrk@yahoo.com
- NIGAM, SANDEEP, PhD, Scientific Officer G, Chemistry Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25590287(O), 09820765961(M); Email: snigam@barc.gov.in
- NIGAM, VINODINI, M.Sc., Ph.D., Asstt. Professor in Zoology, Govt. Boys' P.G. College, SIDHI (M.P.)
- NIRANJAN, G.S., M.Sc., D.Phil., Reader/Ex Principal, D.V.(PG) College, ORAI; Res. 2647, Rajendra Nagar, Station Road, ORAI - 285001; Tel.05162-252738, 09415032238(M)
- OJHA, SHEO NARAIN, M.Sc., Ph.D., Reader, Department of Mathematics, Satish Chandra College, BALLIA 277001, Tel. 05498-23026
- OM PRAKASH, D.Phil., Dept. of Chemistry, Allahabad University, PRAYAGRAJ
- **OWA, S.,** Lecturer, Department of Mathematics, Kinki University, 3-4-1, Komakae, Higashi-Osha, Osaha, JAPAN
- OZHA, DURGA DUTT, M.Sc., Ph.D., FIC, FST, FIAES, FIWWA, FASC, FBRS, FAEB, FICCE, FASEA, FASET, C.Chem., FRSC (Lond.), Senior Scientist & Incharge Chemical Lab. (Retd.) Ground Water Department, Jodhpur; 'Guru Kirpa', Brahmapuri, Hazari Chabutra, JODHPUR 342001, Tel. 0291- 2794466(R), 094144478564 (M); Fax: 2613449, Email: ddozha@gmail.com
- PACHPATTE, BABURAO GOVINDRAO, Ph.D., Professor & Head, Department of Mathematics & Statistics, Marathwada University, AURANGABAD; Res. 57, Shri Niketan Colony, Near Abhinay Talkies, AURANGABAD 431001, Email: bgpachpatte@gmail.com
- PADHA, NARESH, M.Sc., M.Phil., Ph.D., Lecturer, Physics Department, Jammu University, JAMMU 180004
- PAIK, PRADIP, PhD, Associate Professor, School of, Biomedical Engineering, Indian Institute of Technology, Banaras Hindu University, VARANASI 221005, Tel. 08500109932, 08309097692(M), Email: paik.bme@iitbhu.ac.in; pradip.paik@gmail.com
- PAITAL, BISWARANJAN, PhD, Assistant Professor, Zoology Department, CBSH, OUAT; Q.No. S/13 Municipality Colony, At-Jobra, PO College Square, D-CUTTACK 753003, Odisha, Tel. 0674-2397029(O), 09337413232(M); Fax: 2397970; Email: biswaranjanpaital@gmail.com
- PAKNIKAR, KISHORE MADHUKAR, M.Sc., Ph.D., F.M.A.S., Scientist, Microbial Sciences Division, Agharkar Research Institute, G.G. Agarkar Road, PUNE 411004; Tel. 020-5653680(O), 5534531(R); Fax: 5651542; Email:paknikar@vsnl.com
- PAL BHADRA, MANIKA, Ph.D., Principal Scientist, Centre for Chemical Biology, CSIR-IICT, Uppal Road, Tarnaka, HYDERABAD 500007; Res. H.No. 12-13-645/D, Nagarjuna Nagar, Tarnaka, SECUNDERABAD 500017; Tel. 040-27193236(O), 27158011(R), 09848960101(M); Fax: 27160387; Email: manikapb@gmail.com

PAL, ASIM KUMAR, Ph.D.,F.I.C., F.N.A.V.S., Joint Director, Central Institute of Fisheries Education, Panch Marg, Off Yari Road, Versova, Andheri (West), MUMBAI - 400061; Res. 1205-B, Green Tower, 216, Gill Bert Hill Lane, Andheri (West), MUMBAI - 400058; Tel. (022) 26300995(O), 26709265(R); Fax: 26300995; Email: drasimkpal53@gmail.com, akpal53@gmail.com

PAL, DULAL ČHANDRA, M.Sc., Ph.D., FBS, FES, FIAT, Formerly Scientist-I, Botanical Survey of India; Secretary, Gram Seva Sangha, P.O. Hatthuba, North 24 Parganas – 743269; Tel. 03216-253086(R),

09434018704(M); Email: drdcpal@yahoo.com

- PAL, KAUSHIK, Ph.D., FRSC, FIE, Professor, Department of Mechanical and Industrial Engineering, IIT Roorkee, ROORKEE 247667, Res. 203/5, Saraswati Kunj, IIT Roorkee Campus, ROORKEE 247667, Tel. 01332-284761(O), 286761(R),09458165781(M); Fax: 285665; Email: kaushik@me.iitr.ac.in
- PAL, LILY, MBBS, MD(Pathology), Associate Professor(Pathology), Sanjay Gandhi PG Institute of Medical Sciences, Rae Bareli Road, LUCKNOW-226014, Tel. 0522-2668004-8 Ext.2245(O), Ext 2984(R); Email: lilypal@sgpgi.ac.in
- PAL, RANABIR, MD, Ph.D., MBA, DCH, MBBS, FAIMER Fellow, Professor and Chair, Department of Community Medicine, MGM Medical College, KISHANGANJ; Res. Flat No. E-3, P-15, C.I.T. Road, VI-M-S, KOLKATA -700054, Tel. 08003996867, 09123000282(M); Email: ranabirmon@yahoo.co.in
- PAL, SATYABRATA, Ph.D., Professor, Department of Agricultural Statistics, 101/B, Bakul Bagan Road, KOLKATA - 700025; Tel. 033-24852160, 24759048(R); Email:satbrpal@vsnl.net
- PAL, UDIT NARAYAN, PhD, Senior Principal Scientist & Professor, Group Head, Societal Electronics Group, Plasma Device & Technologies Laboratory, CSIR-Central Electronics Engineering Research Institute, PILANI 333031, Tel. 01596-252224(O), 294205(R), 09772975628(M); Fax: 242294; Email: paludit@gmail.com; udit@ceeri.res.in
- PALIWAL, Y.C., M.Phil., Ph.D., Deptt. of Mathematics, Paliwal Degree College, SHIKOHABAD 205135
- PALLU, REDDANNA, M.Sc., Ph.D., Director, National Institute of Animal Biotechnology, University of Hyderabad Campus, HYDERABAD – 500046, Tel. 040-23013900(O), Fax: 23010745, Email: director@ niab.org.in
- PANCHADHYAYEE, PRADIPTA, PhD, Associate Professor of Physics, Prabhat Kumar College, Contai; 'UMESH'; At: Dhandighi; PO: Karkuli; PS: Contai; DIST.: PURBA MEDINIPUR; WB 721404, Tel. 03220-255020(O), 07908190612, 09746161100(M); Fax: 255020; Email: ppcontai@gmail.com
- PANCHAGNULA, RAMESH, M.Pharm., M.Sc., Ph.D. (Ciuncinnati), D.Sc. (Strathclyde),FRSC,FCCP, Managing Director, Nektar Therapeutics India (Pvt.) Ltd., House No. 4, Mani Enclave, Yapral, HYDERABAD 500087; Tel. 040-27840679(M); Email: panchagnula@yahoo.com
- PANDA, B.C., M.Sc., Ph.D., Head, Division of Agril. Physics, I.A.R.I., NEW DELHI- 110012
- PANDA, GAUTAM, M.Sc., Ph.D., Principal Scientist, Central Drug Research Institute, BS 10/1, Sitapur Road, Jankipuram Extension, LUCKNOW -226031, Res. B5/SF/T1, CSIR Scientist Apartment, Sector K, Aliganj, LUCKNOW - 226024, Tel. 0522-2772450, 2772550 Ext.4661(O), 2746635(R), 09450657049(M); Fax: 2771941; Email: gautam.panda@gmail.com

PANDA, PRADEEPTA, Ph.D., Associate Professor, School of Chemistry, University of Hyderabad, Gaehibowli, PO Central University, HYDERABAD - 500046, Res. Flat No. 417, Sri Maruthi Nivas, Sudharshan Nagar, Sherilingampalli, HYDERABAD - 500019, Tel. 040-23134818(O), 09951615333(M); Email: pradeepta.panda@gmail.com

- PANDE, GIRISH CHANDRA, M.Sc., Ph.D., Formerly Professor of Mathematics, Lucknow University Res. 126, Arya Nagar, LUCKNOW -226004, Tel. 0522-2691304, 2693785(R), 09336036760, 09208152429(M)
- PANDE, LALIT KUMAR, Ph.D., Professor of Physics, School of Environmental Sciences, Jawaharlal Nehru University, New Mehrauli Road, NEW DELHI 110067
- PANDE, VIJAY, M.Sc., Ph.D., Professor of Mathematics, Kumaun University, Tilak Pur, ALMORA 263601, Tel. 05962-237744(O), 230825(R), Email: vijpande@gmail.com
- PANDEY, ABHAY KUMAR, Ph.D., Professor & Head, Department of Biochemistry, University of Allahabad, PRAYAGRAJ 211002, Res. B-13A, Ashok Nagar Extn., PRAYAGRAJ 211001, Tel. 09839521138(M); Email: akpandey23@rediffmail.com
- **PANDEY, AJAY,** M.Sc., Ph.D., Technical Assistant (Agril.), Near Agriculture College, Padra, REWA 486001
- PANDEY, ANAND, MBBS, MS, MCh, Professor (Jr), Department of Pediatric Surgery, King George's Medical University, LUCKNOW 226003, Tel. 0522-2395309(R), 09415002162(M); Email : dranand27@ rediffmail.com; anandpandey@kgmcindia.edu
- PANDEY, ANITA, Ph.D., Scientist G & Head, Center for Environmental Assessment & Climate Change, GB Pant National Institute of Himalayan Environment & Sustainable Development, Kosi-Katarmal, ALMORA 263643, Res. G.B.P.I.H.E.S.D. Campus, Kosi-Katarmal, ALMORA 263643, Tel. 05962-241041, 241154(O), 241054(R), 09412093858(M), Fax: 241150, 241014, Email: anita@gbpihed.nic.in
- PANDEY, ANJANA, M.Sc., Ph.D., Professor, Department of Biotechnology, Motilal Nehru National Institute of Technology, Allahabad, PRAYAGRAJ 211004; Res. B28, Staff Colony, MNNIT Allahabad, PRAYAGRAJ 211004; Tel. 09452690849(M); Email: anjanap@mnnit.ac.in;
- PANDEY, ARUN KUMAR, M.Sc., Ph.D., F.Z.S.I., F.A.I.E.S., Professor & Head Zoology, L.N. Mithila University DARBHANGA 846008, Res. 'Arunanchal', House No. 19, Dighi Tank West, DARBHANGA 846004, Tel. 06272-248641(O), 251010(R), 09431286661(M); Fax: 222598;
- PANDEY, BHAGWAN RAM, M.Sc., Ph.D., Joint Director, C.S.T., UP, 9, Nabiullah Road, Surajkund Park, LUCKNOW 226018
- PANDEY, BHUPENDRA NATH, M.Sc., Ph.D., FAZ, FZSI, FIAES, Ex-Professor & Head, Department of Zoology and Dean, Faculty of Science, Magadh University, BODH GAYA 824234; President, Zoological Society of India, Gaya, Res. Hill View Compound, Rampur, GAYA 823001, Tel. 07903139797, 09234761998(M); Email: bnpandeymu@gmail.com
- PANDEY, DHARMA DEO, M.Sc., Ph.D., FBS, FTE, FNRS, Former Professor, N3/75R, 11K, RK Puram, Karamajitpur, Near Dhirendra Manila College, VARANASI 221005, Tel. 09204443729(M); Email: pandeydd17@gmail.com

PANDEY, GIRIJESH CHANDRA, M.Sc., Ph.D., FIAES, FBRS, FNC, FZSI, FAAZ, FSED, FSBSRD, FNEA, Professor, Department of Environmental Science, Dr RML Avadh University, FAIZABAD; Res. 147, Avas Vikas Colony, Angoori Bag, FAIZABAD – 224001; Tel. 05278-245146(O), 09415164361, 07800592665(M); Fax: 245146(O); Email: gcpandeyenv @yahoo.com

- PANDEY, HANS DEO, M.Sc., Ph.D., F.R.Comm.S., FIAPS, Formerly Professor & Head, Department of Mathematics & Statistics, Gorakhpur University, Dean, Faculty of Science & Pro-Vice-Chancellor; Res. 20G, Indira Nagar, P.O. Shivapuri Colony, GORAKHPUR - 16, Tel. 0551-2321613(R), 09415610782(M)
- PANDEY, JITENDRA KUMAR, Assistant Vice President R&D Dept., University of Petroleum & Energy Studies, Energy House, Bidholi Campus, DEHRADUN 248007, Tel. 0135-2970194(O), 07579216817(M); Fax: 2776090; Email: jeetusnu@gmail.com;
- PANDEY, K.C., M.Sc., Professor, CII/7 River Bank Colony, LUCKNOW 226001
- PANDEY, KAILASH NATH, M.Sc., Ph.D., FPSI, FSMP, FNRS, FISST, Professor & Head, Department of Botany, Kumaun University, SSJ Campus, ALMORA 263601; Res. 1/1, Professor's Colony, Kumaun University, S.S.J. Campus, ALMORA 263601, Tel. 05962-237745(O), 231054(R), Fax: 231507; Email: kailash\_nathpandey@yahoo.co.in
- PANDEY, KANTI BHOOSHAN, MSc,PhD, Principal Scientist, CSIR-Central Salt & Marine Chemicals Research Institute, Gijubhai Badheka Marg, BHAVNAGAR 364002, Tel. 09913811711(M); Email: kantibiochem@gmail.com:
- PANDEY, KRISHNA KUMAR, M.Sc., Ph.D., FSA, FBS, FINS, FSLW, Associate Professor & Head, Department of Botany, DAV PG College, GORAKHPUR 273001, Res. 106-A, Siddharth Nagar Colony, Taramandal Road, PO-Siddharth Enclave, GORAKHPUR 273017, Tel. 0551-6818015(R), 09450533494, 07071015657(M)
- PANDEY, KRISHNA NAND, M.Sc., D.Phil., Formerly Scientist F, ICMR, New Delhi; Res. B-289/B, Sector-19, NOIDA 201301, Tel. 09891185517(M); Email: knpandey01@yahoo.com, knpandey@gmail.com
- PANDEY, L.P., A.N.C. Division, National Metallurgical Lab, JAMSHEDPUR 831 007
- PANDEY, LALIT MOHAN, PhD, Associate Professor, Dept. of Biosciences and Bioengineering, Indian Institute of Technology Guwahati, GUWAHATI 781039, Tel. 0361-2583201(O), 08811079475, 09999893649(M); Email: lalitpandey@iitg.ac.in
- PANDEY, M.D., B.V.Sc.& A.H., M.R.C.V.S., (Lond.), Ph.D., Formerly Professor & Head, Department of Physiology, College of Veterinary Science, Mathura; Res. 503, Radhika Vihar, MATHURA - 281004, Tel. 0565-2420706(R)
- PANDEY, MANISH KUMAR, Principal Scientist-Genomics, Prebreeding & Bioinformatics, Center of Excellence in Genomics & Systems Biology, International Crops Research Institute for the Semi-Arid Tropics, PATANCHERU 502324, HYDERABAD, Tel. 0918455683430, 08790057150(M); Email: manish.pandey@icrisat.org; manishgenetics@gmail.com;

PANDEY, MANOJ BHUSHAN, D.Phil., Associate Professor, Department of Physics, VSSD College, KANPUR - 208002, Res. 132/B/2, Gomati Nagar, Makadi Kheora, KANPUR- 208002, Tel. 0512-2562613(O), 09451052040(O); Fax: 2563842; Email: mbpandey@gmail.com

- PANDEY, R.C., Ph.D., F.A.S., Editor, B.I.J.P., 2A/2, Shivkuti, PRAYAGRAJ 211004
- **PANDEY, R.N.**, Ph.D., F.I.M.A.(U.K.), F.R.A.S.(London), New F/6, Jodhpur Colony, Banaras Hindu University, VARANASI
- PANDEY, RAKESH, Scientist, Microbiology & Plant Pathology, CIMAP, P.O. CIMAP, LUCKNOW 226015
- PANDEY, RAM CHET, M.Sc., Ph.D., Lecturer, Department of Physics, Shivharsh Kishn P.G. College, BASTI (UP)
- PANDEY, RAMENDRA PATI, PhD, Associate Professor, School of Health Sciences & Technology, UPES, DEHRADUN 248007, Uttarakhand; Tel. 09818790558(M), Email: ramendra.pandey@gmail.com
- PANDEY, S.D., M.Sc., Ph.D., F.A.Z., F.Z.S.I., F.R.É., Řeader, Department of Zoology, Christ Church College, KANPUR 208001
- PANDEY, SADA NAND, Ph.D., Formerly Professor & Head of Applied Sciences; Res. 'Rishi Niketan', 130-C, Shivpuri New Colony, Near Azad Chawk, GORAKHPUR 273016, Tel. 0551-2321527(R), 09415386954 (M), Email: pandeysnp@yahoo.co.in
- PANDEY, SHANKAR DATT, Ph.D., Reader & Head, Department of Physics, P.P.N. College, KANPUR
- PANDEY, SHIV PRAKASH, Research Scholar, Department of Chemistry, Lucknow University, LUCKNOW
- PANDEY, SUDHAKAR, PhD, Assistant Director General (Flowers, Vegetables, Spices and Medicinal Plants), Horticultural Science Division, Indian Council of Agricultural Research, Krishi Anusandhan Bhawan-II, Pusa, NEW DELHI 110012, Tel. 011-25846490(O), 09415371451(M), Email: sudhakarpandey.hsd@icar.org.in; sudhakariivr@gmail.com;
- PANDEY, UMESH CHANDRA, M.Sc., D.Phil., F.B.S., Associate Professor, Botany Department, Bareilly College, BAREILLY 243 005, Res. C-27, LIG Ektanagar, BAREILLY 243122; Tel. 0581-2535202, 09412544138(M)
- PANDEY, UPENDRA KUMAR, PhD, Assistant Professor, Department of Electrical Engineering, School of Engineering, Shiv Nadar Institution of Eminence, NH 91, Village Chitahara Post Dadri, GAUTAM BUDHHA NAGAR 201314, Tel. 0120-7170100 Ext.690(O), 1335(R), 08105752985(M); Email: upendra.pandey@snu.edu.in; ukpandey@gmail.com
- PANDEY, VIMAL CHANDRA, Ph.D., CSIR-Pool Scientist, Dept. of Environmental Science, Babasaheb Bhimrao Ambedkar University, LUCKNOW – 226025; Res. D 20, Sector D, LDA Colony, Kanpur Road, LUCKNOW - 226012, Tel. 08004799955(R), 09454287575(M); Email: vimalcpandey@gmail.com
- PANDEY-RAI, SHASHI, MSc, PhD, Professor, Laboratory of Morphogenesis, Department of Botany, Institute of Science, Banaras Hindu University, VARANASI 221005, Tel. 09450828556(M); Email: shashi.bhubotany@gmail.com; pshashi@bhu.ac.in
- PANDIT, BHARAT RASIKLAL, M.Sc., Ph.D., F.T.E., Professor, Ecology Division, Department of Life Sciences, Bhavnagar University, BHAVNAGAR, Res. 102, Kalrav Residency, Rupani–Ghogha Circle Road, BHAVNAGAR 364001; Tel. 09824541022(M), Email: bharatrpandit@yahoo.com, bharatr\_pandit@rediffmail.com

PANDYA, CHANDRAKANT B., M.Sc., Ph.D., F.I.C., Senior Research Officer, National Institute of Occupational Health, Meghani Nagar, AHMEDABAD-380016

- PANDYA, S.M., M.Sc., Ph.D., FBS, FTE, FNIE, FAPS, Formerly Professor & Head, Department of Biosciences, Saurashtra University, RAJKOT 360005; Res. 705, Mangal Jyot Tower, Jodhpur Char Rasta, Satellite, Ahmedabad 380015, Tel. 079-6924235, Email: pandyasanjay@icenet.net
- PANSARE, SUNIL V., Scientist C, Division of Organic Chemistry, National Chemical Laboratory, PUNE 411 008
- PANT, ADITYA BHUŚHAN, Ph.D., Senior Principal Scientist, System Toxicology & Health Risk Assessment Group, CSIR-Indian Institute of Toxicology Research, Vishvigyan Bhavan, 31, MG Marg, Post Box 80, LUCKNOW 226001; Res. 18/213, Indira Nagar, LUCKNOW; Tel. 0522-2627586,2620107(O), 09935044044(M);Email:abpand@iitr.res.in,abpant@rediffmail.com, abpant@yahoo.com
- **PANT, G.N.,** M.Sc., D.Phil., D.Sc., Department of Chemistry, R.I.T., JAMSHEDPUR
- PANT, MADAN MOHAN, L.L.B., M.Sc., Ph.D., Director, School of Computer & Information Science, Indira Gandhi Open University, K-76, Hauz Khas, NEW DELHI - 110016
- PANT, S.R., M.Sc., Ph.D., Department of Mathematics, Tribhuwan University, Kathmandu, Resi. 21/11 Dilipbazar, Maitidevi, KATHMANDU, NEPAL
- PARAMANIK, VIJAY, Ph.D., Assistant Professor, Department of Zoology, Indira Gandhi National Tribal University, AMARKANTAK 484886, Res. G2, Ganga Nagar, Pendra Road, BILASPUR 495117, Tel. 09300260709(M); Email: vijayparamanik@gmail.com
- PARAMESWARAN, AJITH, PhD, Professor, International Centre for Theoretical Sciences, TIFR, Survey No. 151, Shivakote, Hesaraghatta Hobli, BANGALORE NORTH 560089, Tel. 080-46536210(O), 09164594474(M); Email: ajith@icts.res.in
- PARDASANI, KAMAL RAJ, Ph.D., Assistant Professor, Department of Mathematics and Computer Applications, Maulana Azad College of Technology, BHOPAL 462007, Tel. 0755-557316 Extn.447(O), 761217(R); Fax: 554562; Email: kamalrajp@hotmail.com, kamalrajp@usa.net
- PAREWA, VIJAY, PhD, Assistant Professor, Department of Chemistry, University of Rajasthan, JAIPUR - 302004, Tel. 0141-2702306(O), 09530273920, 08619158456(M); Email : parewavijay.parewa@gmail.com
- PARGANIHA, ARTI, PhD, Professor, School of Studies in Life Science, Pt. Ravishankar Shukla University, RAIPUR 492010, CHHATTISGARH, Tel. 0771-2262631 Ext.108(O), 09826551089(M); Email: arti.parganiha@gmail.com
- PARIA, GUNADHAR, D.Phil, D.Sc., Formerly Professor & Head, Mathematics Deptt., G.S., Instt. of Tech. & Sci., Indore, Vill. Ganeshwarpur, P.O.Maheshpur, Via Sat Mile, DIST. MIDNAPORE 721452
- PARIDA, BIBHUTI BHUSAN, M.Sc., Ph.D., Professor, P.G. Department of Zoology, Utkal University, BHUBANESWAR - 751004
   PARIDA, MANMOHAN, M.V.Sc., Ph.D., Scientist 'G', Associate Director &
- PARIDA, MANMOHAN, M.V.Sc., Ph.D., Scientist 'G', Associate Director & Head, Department of Biocontainment & Bioverification, Defence R&D Establishment, DRDE, DRDO, Ministry of Defence, Jhansi Road, GWALIOR 474002, Tel. 0751-2233492(O), 2340479(R), 09893186204 (M); Fax: 2341148; Email: paridamm@gmail.com, paridamm@drde.drdo.in

**PARIKH, INDU,** Ph.D., Director, Biochemistry & Biotechnology, Glaxo Research Laboratories, Research Tri.Park, N.C.27709, U.S.A.

- PARKAR, VIVEK VIJAY, PhD, Scientific Officer, Nuclear Physics Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25596783(O), 08169850671(M), Email : vparkar@barc.gov.in; parkarvivek@gmail.com
- PARKASH, RAM, M.Sc.(Hons.), Ph.D., Professor, Chemistry Department, Punjab University, CHANDIGARH
- PARMAR, M.L., Ph.D., Professor of Physical Chemistry, Department of Chemistry, H.P. University, Summer Hill, SHIMLA 171005; Tel. 230944(O)
- PARPIA, H.A.B., B.Sc.(Hons.), M.S., Ph.D., (Oregob) State University (USA), Senior Adviser, UNCSTD, U.N Room-00100, ITALY
- PARVATAM, GIRIDHAR, M.Sc., Ph.D., Chief Scientist, Plant Cell Biotechnology Dept., CSIR-Central Food Technological Research Institute (CFTRI), MYSORE 570020, Res. #09, 3rd Cross, Garudachary Layout, Vijayanagar, III Stage, 'C' Block, 16th Main, MYSORE 570030, Tel. 0821-2516501(O), 2952663(R), 09449263452(M), Fax: 2517233, Email: parvatamg@yahoo.com
- PARVEEN, SHAMA, Assistant Professor, Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, NEW DELHI 110025, Tel. 011-26981717 Ext.74102(O), 26984167(R), 09818286423(M); Email : shamp25@yahoo.com; sparveen2@jmi.ac.in;
- PATEL, MANOJ KUMAR, PhD, FISSA, FIETE, Principal Scientist, CSIR-Central Scientific Instruments Organisation, Sector 30C, CHANDIGARH 160030, Tel. 0172-2672459(O), 07837870819(M); Fax: 2657267; Email: manoj\_patel@csio.res.in; patelnitisr@gmail.com
- PATEL, PREMANANDA, M.Sc., Ph.D., D.Sc., F.I.C., C.Chem.(India), Associate Professor of Chemistry, Government (Autonomous) College, Qr.No. C/41, Sector - 4, ROURKELA - 769002, Tel. 0661-4664586(O), 4641004(R)
- PATEL, R.N., Ph.D., D.Sc., Professor & Head, Department of Chemistry, A.P.S. University, REWA 486003; Res. Shiv Nagar, P.O. Engineering College, Rewa, University Road, REWA; Tel. 07662-233683(O), 09826630086(M); Email: rnp64@ymail.com
- PATEL, V.J., Ph.D., Farm Scientist & Owner, Surendra Bagh, P.O. KARDEJ-364060
- PATHAK, AKHILENDRA KUMAR, M.Sc., D.Phil., M.Tech., Professor & Head, Department of Petroleum Engg., Indian School of Mines, DHANBAD-826004; Tel. 09431315816(M); Email: akhilendra\_pathak@yahoo.co.in
- PATHAK, D.N., M.Sc.(GOLD MEDALIST), Ph.D., F.I.C., F.I.C.S., Professor & Head, Department of Chemistry, Regional Instt. of Technology, JAMSHEDPUR 831014
- PATHAK, KISHORI MOHAN, M.Sc., D.Phil., Ph.D., CPhysFInstP (London), Founder Vice-Chancellor(Retd.), Tezpur University, Res. Ashok Palace Apartment, Ashok Path, Survey, Beltola, GUWAHATI 781028, 09435111563 (M)
- PATHAK, PROMILA, M.Sc., Ph.D., F.L.S. (London), Professor & Chairperson, Botany Department, Panjab University, CHANDIGARH 160014, Res. Flat No.1079, Progressive Enclave, Sector 50B, CHANDIGARH 160047, Tel. 0172-2534018(O), 09876701963(M), Fax: 4641079, Email: ppathak\_2007@yahoo.com

PATHANIA, PARSHOTAM SINGH, M.Sc., Ph.D., Senior Consultant, Central University of Jammu, 22/7, Trikuta Nagar, JAMMU – 180012, Res. D-54, Sainik Colony, JAMMU – 180011, Tel. 0191-2479213(O), 2469931(R), 09419180540(M), Email: patpsjandi@rediffmail.com

- PATIL SHIVANAĞOWDA, GİRİSH, PhD, Director, ICAR-National Research Centre on Mithun, Medziphema, NAGALAND 797106, Tel. 09401262522(M);Email: director.nrcmithun@icar.gov.in; girishlpt@gmail.com
- PATIL, B.V., M.Sc., Ph.D., 1170/27 Shivaji Nagar, PUNE 4
- PATIL, GANESH VYANKATRAO, M.Sc., Ph.D., FBS, FPnS, FPbS, Former Professor & Head, Department of Botany, Institute of Science, Nagpur; Professor & Head, Department of Botany & Director, Govt.Inst.of Sci., Aurangabad, Former V.C., Amravati University; Res. Pawnaskar Layout, Tope Nagar, AMRAVATI – 444602; Tel. 0721-2665200, 09422155881(M)
- PATIL, PRAMOD SHANKARARAO, Ph.D., FinstP(UK), FMASc, Professor, Department of Physics, Shivaji University, KOLHAPUR 416004, Res. 584E/13, Ashirwad, Sunita Vihar, Rajendranagar, KOLHAPUR 416008, Tel. 0231-2609490(O), 6521825(R), 09922235114(M); Email: patilps 2000@yahoo.com
- PATIL, SANJAY NARAYAN, PhD, Senior Professor & Head, Dept. of Applied Geology, School of Environmental & Earth Sciences, KBC North Maharashtra University, JALGAON 425001, Tel. 0257-2257428(O), 09423937400(M), Fax: 2258403/406, Email: drsnpatil@gmail.com; snpatil@nmu.ac.in
- PATKI, L.R., Department of Zoology, Institute of Science, NAGPUR
- PATRO, NISHA, Scientist, School of Studies in, Neuroscience, Jiwaji University, GWALIOR 474011, Email: nishapatro@gmail.com;
- PAUL, AJIT, M.Sc., M.Phil., D.Phil. Professor & Head, Department of Mathematics and Statistics, School of Basic Science, Sam Higginbottom Institute of Agricultural Technology and Sciences, PRAYAGRAJ – 211007, 09415215873 (M); Email: paulajit1969@yahoo.co.in, Specialization: Fluid Dynamics (Mathematics)
- PAUL, SOUMITRA, PhD, Assistant Professor, Department of Botany, University of Calcutta; Res. R-40, Kamdahari, Garia, KOLKATA 700084, Tel. 09748605305(M); Email : sopbot@caluniv.ac.in, psoumitra@ymail.com
- PHALE, PRASHANT S., Ph.D., Professor, Department of Biosciences & Bioengineering, Indian Institute of Technology Bombay, Powai, MUMBAI 400076, Res. B-33, Central Area, IIT Bombay Campus, Powai, MUMBAI, Tel. 022-25767836(O), 25768836(R), Email: pphale@iitb.ac.in
- PHALSWAL, DAYA RAM, Ph.D., A.S.I.N.P., Lecturer in Physics, M S J College, BHARATPUR
- PHOKELĂ, AMRIT, Ph.D., Senior Scientist, Division of Entomology, I.A.R.I., NEW DELHI-110012
- PHUKAN, S.N., Ph.D.,F.A.P.S., F.L.W.S.,Department of Botany, North Lakhimpur College, Assam, P.O. KHELMATI 787031, Res. K.B. Road, Ward No. 11, P.O. NORTH LAKHIMPUR 787001, Assam; Tel. 03752-230408(R), 9435085615(M); Email: sailen\_phukan @yahoo.com
- PILANIA, RAKESH KUMAR, MBBS, MD, DM, Assistant Professor, Allergy Immunology Unit, Advanced Pediatrics Centre, PGIMER, CHANDIGARH 160012, Tel. 08872114008(M); Email: kumarpilania007@gmail.com
- PILLAI, HARISH K., Ph.D., Professor, Department of Electrical Engineering, Indian Institute of Technology Bombay, Powai, MUMBAI 400076, Res. B229, Aravali, IIT Bombay, Powai, MUMBAI 400076, Tel. 022-25767424(O), 25768424(R), Fax: 2572373707, Email: hp@ee.iitb.ac.in

PILLAI, RAMAN NARAYANA, Ph.D.(Illinois), Formerly Professor & Head, Department of Statistics, Kerala University, Valiyavilakom, Vellayani, Ookode P.O., THIRUVANANDAPURAM - 695020

- PINJARI, DIPAK VITTHAL, PhD, Associate Professor, Department of Polymer and Surface Engineering, Institute of Chemical Technology, Mumbai, Res. B-204, Safal Pride, Plot No.1, Sector 25, Nerul (East), NAVI MUMBAI 400706, Tel. 09967719496(M); Email : dpinjari@gmail.com; dv.pinjari@ictmumbai.edu.in
- POKHARIYAL, GANESH PRASAD, MSc, PhD, FICS, FIC, CC, FABI, Former Head, Chemistry Department, MM College, CCS University MEERUT; Former Director, Om Sai Institute of Technology & Science, Pali-BAGHPAT; Res. Villa No.63 LGCL Luminaire, 39 Nanja Reddy Colony, BDA Main Road, Jeevan Bima Nagar, BANGALORE-560017 (Karnataka),Tel. 080-42184518(R), 08105409665, 09412803462(M); Email: ganesh.pokhariyal@yahoo.com; pokhariyal.gp@gmail.com
- PONNIAH, A.G., M.Sc., Ph.D., Former Director, CIBA & NBFGR; Res. 933-GF, Snowdrops, 10<sup>th</sup> Street, H Block, Anna Nagar West, CHENNAI 600040, Tel. 09445019555(M), Email: agponniah@gmail.com
- PONNUSAMY, PONMURUGAN, PhD, Associate Professor, Department of Botany, Bharathiar University, COIMBATORE 641046, Tel. 0422-2428304(O), 09865857816(M); Fax : 2422387; Email : drponmurugan@gmail.com
- PRABHAKAR, R.P., M.Sc., F.Z.S.I., Reader, Department of Zoology, K.L.S. College, NAWADAH 805110; Res. Professor Colony, Malgodam, Nawada, P.O. Nawada Dist. NAWADA- 805110; Tel. 06324-214664, 07654672385, 09708109366(M)
- PRABHUJI, SHAKTI KUMAR, M.Sc., Ph.D., F.S.L.W, F.B.S., F.S.P.R., Director, Biotechnology & Molecular Biology Center, M.G. Post Graduate College, GORAKHPUR 273001, Res. 'Ram Kuteer', C-161/263, Tiwaripur, Near Gaurav Vidya Mandir School, GORAKHPUR 273001; Tel. 09839229079, 09451066057(M); Email : shaktiprabhuji@rediffmail.com;
- PRAJAPATI, DIPAK, M.Sc., Ph.D., Chief Scientist & Head, Medicinal Chemistry Division, CSIR- North East Institute of Science & Technology, JORHAT-785006; Res. NEIST Colony Quarter No. E-03, JORHAT-785006; Tel. (0376) 2370121\*2356(O), 2370356(R); Fax: 2370011; Email: dr\_dprajapati2003@yahoo.co.uk; prajapatid@rrljorhat.res.in
- PRAJAPATI, VIJAY KUMAR, Ph.D., Associate Professor, Department of Biochemistry, University of Delhi South Campus, Benito Juarez Road, Dhaula Kuan, NEW DELHI 110021; Tel. 07597271362(M); Email: vkp@south.du.ac.in
- PRAKASH BABU, PHANITHI, Ph.D., Professor, Department of Biotechnology and Bioinformatics, School of Life Sciences, University of Hyderabad, HYDERABAD 500046; Res. Quarter No. A-13, University of Hyderabad, Gachibowli, HYDERABAD-500046; Tel.040-23134584(O), Email: prakash@uohyd.ac.in, prakashbabuphanithi@gmail.com
- **PRAKASH, ANAND,** M.Sc., D.Phil., Lecturer, Department of Chemistry, D.S. College, ALIGARH 202001
- PRAKASH, BHANU, PhD, Assistant Professor, Department of Botany, Institute of Science, Banaras Hindu University, VARANASI 221005, Tel. 09794113055(M); Email: bhanubhu08@gmail.com; bprakash@bhu.ac.in

PRAKASH, CHANDRA, Group Director (Admin, HR & TS) & Technology Director (Functional Materials and Allied Technologies), Solid State Physics Laboratory, DRDO, Lucknow Road, Timarpur, DELHI - 110054, Tel. 011-23903402(O), 23916656(R), 09810825175(M); Fax: 23913609; Email: cprakash2014@gmail.com;

- PRAKASH, DIVYA, Ph.D., Assistant Professor, Department of Geology, Banaras Hindu University, VARANASI - 221005, Res. B 31/48, Bhogahir, Lanka, VARANASI - 221005; Tel. 0542-2307310(O), 2367760(R), 09839152054(M); Email: dprakash\_ynu@yahoo.com
- **PRAKASH, GOVIND,** M.Sc., Ph.D., Professor, Botany Department, C.C.S. University, MEERUT 250005
- PRAKASH, HARISCHANDRA SHRIPATHY, M.Sc., M.Phil., Ph.D., UGC-BSR Faculty Fellow, Department of Studies in Biotechnology, University of Mysore, Manasagangotri, MYSURU 570006, Tel. 0821-2414450(O), 2517577(R), 09845488400(M); Fax: 2414450; Email: hasriprakash@gmail.com; hsp@appbot.unimysore.ac.in
- **PRAKASH, INDU**, Ph.D., Reader & Head, Department of Chemistry, P P N College, KANPUR
- PRAKASH, JAI, PhD, Assistant Professor, Department of Physics, Aligarh Muslim University, ALIGARH 202002, Tel. 09023440170(M), Email: jpsphysics@gmail.com; prakash.ph@amu.ac.in
- **PRAKASH, KIRTI,** M.Sc., Ph.D., Reader of Mathematics, H.P. University, Shimla, Dorothy Cottage, Summer Hill, SHIMLA 171005
- PRAKASH, NAM, M.Sc., Nuclear Research Laboratory, I.A.R.I, K C 82, Kavi Nagar, GHAZIABAD
- PRAKASH, OM, D.Phil., D.U.(FRANCE), Former Lecturer of Chemistry, CMP Degree College, PRAYAGRAJ, Res. 70/72 J, Stanley Road, Near Moirabad, PRAYAGRAJ 211002, Tel. 098423393(M)
- PRAKASH, OM, M.Sc., D.Phil., Scientist 'E' (Dy. Director), D.M.S.R.D.E., G.T. Road, KANPUR - 208013, Tel. 0512-451759 to 451778 Ext. 326(O), 616582(R); Fax: 350404, Email: dmsrde@sancharnet.in
- PRAKASH, RAVI, M.Sc., Ph.D., D.Sc., F.A.Z., F.Z.S., Ex Vice-Chancellor, 100/40 Shivaji Nagar, BHOPAL
- **PRAKASH, SAD GURU,** D.Phil., Professor, J.K. Institute of Applied Physics & Technology, University of Allahabad, PRAYAGRAJ 211002; Tel. 0532-2468833; Email: prof\_sgp@rediffmail.com
- PRAKASH, SATYA, M.Sc., D.Phil., Emeritus Professor, Department of Physics, Panjab University, CHANDIGARH 160014, Tel. 09876638503 (M); Email: profsprakash@hotmail.com
- PRAKASH, SOAM, Ph.D., Professor Emeritus, Department of Zoology, Faculty of Science, Dayalbagh Education Institute, Dayalbagh, AGRA 282005; Res. 4/246 Vidyut Nagar, Dayalbagh, AGRA 282005, Tel. 0562-2801545(O),9548197050(M);Email: prakashsoamdei@gmail.com, soamprakash@dei.ac.in
- **PRAKASH, VINOD,** D.Phil., Professor, Department of Physics, University of Allahabad, PRAYAGRAJ 211002; Tel. 0532-2642442(R); Email: prakashvinod@rediffmail.com
- PRASAD, ANANDI, M.Sc., Ph.D., FIST, FBS, Former Professor of Botany, SPM College, Res. 980B, Anand Vihar, Shivajee Nagar, Khandakper, BIHAR SHARIF 803101, NALANDA

PRASAD, ARTI, M.Sc., Ph.D., Assistant Professor, C/o Dr. H.R.S. Tyagi, 57, Dore Nagar, UDAIPUR - 313001

- PRASAD, BAL KRISHNA, Reader & Head, Department of Zoology, P.K.Ray Memorial College, DHANBAD - 826004
- PRASAD, BALESHWAR, Ph.D., Former Reader in Mathematics, DAVPG College, AZAMGARH, Res. Anima Sadan, Shanti Path, Katghar Road, Sidhari (East), AZAMGARH 276001, Tel. 09450736977(M)
- PRASAD, BIBHOOTI, M.Sc., Ph.D., F.E.S.I., F.Z.S.I., F.A.Z., Formerly Professor & Head of Life Sciences; Res. 59, Manshabag, Jatepur North, Gorakhnath, GORAKHPUR 273015, Tel. 0551-2253457(R)
- PRASAD, CHANDRA SHEKHAR, M.Sc., D.Phil., F.E.S.I., Professor & Registrar, Sardar Vallabh Bhai Patel Univeristy of Agric. & Tech., Modipuram, MEERUT 250110, Tel. (0121) 2888502(O), 09412432724(M), Fax: 2888525; Email: csprasad23@gmail.com
- PRASAD, FAZAL MASIH, M.Sc., D.Phil., D.Sc., FBRS, FISAC, FISAB, FICC, FSPPS, Retired Professor & Principal, St. John's College, AGRA; C/o Dr. (Mrs.) Sheela Prasad, Principal, Prentiss Girls Inter College, Kachari Road, ETAH 207001, Tel. 09897729511(M); Email: fazal\_prasad@yahoo.co.in
- PRASAD, JAGDISH, D.Phil., Chemistry Department, Allahabad University, PRAYAGRAJ
- PRASAD, JAGDISH, M.Sc., PhD, FBRS, Formerly Professor, Dean and Head, SHIATS; Res: Flat No. 10-C, Tower No. !5, Belgravia, Cental Park— Resorts, Sector 48, Sohna Road/Hero Honda Road, Near Subhas Chowk Fly-Over, GURGAON-122018, Tel 0124-4942823, 09560102571 (M), Email: dr.jagdishprasad45@gmail.com
- PRASAD, JAI NARAIN, M.Sc., Ph.D., D.D.E., Professor of Mathematics, Mouze, Ward No. 14, RAXAUL - 845305
- PRASAD, KANHAIYA, MA.,Ph.D., D.Sc., (Retired) Reader & Head of Mathematics, Feroze Gandhi PG College, Res. M-82, Indira Nagar Extension (RDA Colony), Jail Road, RAE BARELI - 229001, Tel. (0535) 2203840(R), 09415523633(M)
- PRASAD, KRISHNA MOHAN, M.Sc., Ph.D., Professor & Head, Department of Chemistry, V.K.S. University, ARRAH - 802301
- PRASAD, R.K., M.Sc., Ph.D., (Retired) Professor of Chemistry; Professors' Colony, Aghoria Bazar, MUZAFFARPUR - 842002, Tel. 0621-2244211, 09430458535, 09006898548 (M);
- PRASAD, R.N., M.Sc., Ph.D., Officer-in-Charge, Malaria Research Centre, Khirni Bagh, Sadar Bazar, SHAHJAHANPUR (UP) 242001
- PRASAD, RAM YATAN, Ph.D., D.Sc., D.Sc.(hc) Colombo, Pro Vice Chancellor, TMB University, BHAGALPUR, Bihar; Former Vice Chancellor, SKM University Dumka; Res. PTC Chowk, Matwari Road, HAZARIBAG 825301, Tel. 09431393922(M); Email: prasadramyatan@yahoo.in
- **PRASAD, S.N.,** M.Sc., Ph.D., Reader in Mathematics, Bhagalpur University, BHAGALPUR, BIHAR
- PRASAD, SHASHI RANJAN, Lecturer in Mathematics, Rameshwar College, MUZAFFARPUR
- PRASAD, SHIVA SHANKAR, M.Sc., D.Phil., Professor (Entomology), Crop Research Station, Ghaghraghat, Jarwal Road, BAHRAICH - 271901, Tel. 05251-225481(O), 09450458315 (M); Email: ssprasad24@gmail.com

PRASAD, SUKALA, M.Sc., Ph.D., Professor, Biochemistry & Molecular Biology Lab, Department of Zoology, Banaras Hindu University, VARANASI – 211005, Tel. 0542-2307149, 6702517(O), 2575842(R), 09415812467(M); Fax: 2368174; Email: s.sprasadbhu@gmail.com

- PRASAD, VIVEK, Ph.D., F.B.S., Professor, Molecular Plant Virology Lab, Department of Botany, Lucknow University, LUCKNOW 226007, Tel. 0522-2740823(O), 2781029(R); Fax: 2740823, 2787937; Email: vivprasad@yahoo.com
- PRASAD, Y. RAJENDRA, M.Sc., Ph.D., Reader & Head of Chemistry, Res. Second Floor, Home No, 4, Sai Nagar, VIJAYAWADA 520008 Tel. 0866-2491309, 09848168499 (M); Email: yrajprasad@yahoo.com
- **PRASAD**, Y.N., M.Sc., Lecturer (Applied Mathematics), Institute of Technology, Banaras Hindu University, VARANASI
- PRATAP, ADITYA, PhD, Project Coordinator, AICRP on Kharif Pulses, ICAR-Indian Institute of Pulses Research, KANPUR 208024, Tel. 0512-2580994-95 Ext. 6203(O), 09452060055(M); Email: aditya.pratap@icar.gov.in
- **PRATAP, ARUN,** M.Sc., Ph.D., Reader, Applied Physics Deptt., M.S. University of Baroda, F-4, Vikram Baug, University Campus, Pratapgunj, VADODARA 390002
- PRIOLKAR, KAUSTUBH R.S., Ph.D., Professor, Department of Physics, Goa University, Taleigao Plateau, GOA 403206, Res. L-16, Tulshi, Housing Board Colony, Alto Poruori, GOA 403521, Tel. 0832-2412235(R), 08669609210, 09890357378(M); Fax: 2451184; Email: krp@unigoa.ac.in
- **PUNETHA, NILAMBER,** M.Sc., Ph.D., FBS, FIFS, Retired Principal, Res. 167, Bajethi Ward, Near PG College, PITHORAGARH 262502, Tel. 09759165372(M), Email: punethan\_bot@yahoo.co.uk
- **PURBEY, BRAJENDRA**, M.Sc., Lecturer in Mathematics, Rajendra College, (Bihar University), CHHAPRA, BIHAR
- PURKAIT, RUMA, Ph.D., D.Sc., Professor & Head, Department of Anthropology, University of Allahabad, PRAYAGRAJ 211002, Res. P-3, Beli Farm, Stanley Road, Allahabad University Teacher's Colony, PRAYAGRAJ 211002, Tel. 09455220839(M); Fax: 0532-2461009; Email: r.purkait@gmail.com
- **PUROHIT, DAU NARAYAN,** M.Sc., Ph.D., Vice-Chancellor, M.D.S. University, Ajmer; Res. 25, Vidhya Vihar Colony, Sundervas North, UDAIPUR; Tel. 0145-2787055(O), 2787050, 2787051(R), 98291-88989(M), Fax: 2787049
- **PURUSHOTTHAM, G.,** M.A., Department of Mathematics, Nagarjuna Sajar Eng. College, HYDERABAD 500488
- QURAISHI, MUMTAZ AHMAD, Ph.D., D.Sc., Professor & Head, Department of Applied Chemistry, Indian Institute of Technology, Banaras Hindu University, VARANASI 221005; Res. B-18, Brij Enclave Extn., Sunderpur, VARANASI; Tel. 0542-2316527(R), 09307025126(M); Email: maguraishi@rediffmail.com; maguraishi.apc@itbhu.ac.in
- QURESHİ, INSAF AHMED, Ph.D., FTAS, Associate Professor, Department of Biotechnology & Bioinformatics, School of Life Sciences, University of Hyderabad, HYDERABAD 500046, Res. G-6, Block-H, Aparna CyberZon, Nallagandla, HYDERABAD 500019, Tel. 040-23134588(O), 09502117562(M); Email: insaf@uohyd.ac.in

RAAVI, SAI SANTOSH KUMAR, PhD, Professor, Department of Physics, IIT Hyderabad, Kandi (V), SANGAREDDY (D), TELANGANA, Tel. 040-23016711(O), 08500306129, 07331103902(M); Email: sskraavi@phy.iith.ac.in; santasai@gmail.com

- RABBANI, G., M.Sc., M.A.(Phi., Urdu), M.Ed., LL.B., Ph.D.(Maths), Ph.D.(Urdu), D.Litt., Ph.D.(Edu.), Former Professor of Mathematics, M.T.T. College, RANCHI 834009, Res. Azhar Lane, Bariatu Sattaar Colony, P.O. Medical College, RANCHI 834009, Tel. 09835958213(M);
- RADHAKRISHNAMACHARYA, GANJAM, M.Sc., Ph.D., Professor of Mathematics, R.E.C., WARANGAL 506 004
- RAGHAVA, RAVINDRA PRATAP, M.Phil., Ph.D., FBS, FISPP, Reader, DST-FIST, PG Department of Botany, S.M.M. Town (PG) College, BALLIA- 277001, Res. 715, Neh-Ganga Kutir, Seth Colony, Harpur, BALLIA 277001, Tel. 05498-221998(O), 240182(R), 09415657030(M), Email: raghavarp@rediffmail.com, rproghava59@gmail.com
- RAGHOTHAMA, S., Ph.D., Former Chief Research Scientist, NMR Research Centre, Indian Institute of Science, BANGALORE; Res. No. 72, 2nd Main Road, S.B.M. Colony, Anandnagar, BANGALORE 560024; Tel. 080-23633080(R), 09880038337(M); Email : sr@alumni.iisc.ac.in; sraghothama@gmail.com
- RAHAMAN, ABDUL ABDUL, M.Sc., Ph.D., Professor of Environmental Engineering Div., Kongu Engineering College, No. 21, Vidhya Nagar, ERODE 638009, Tel. 0424-239375, 09443339369(M); Email: rahaman@eth.net
- RAHI, MANJU, MBBS, MD, Scientist G, Director, ICMR-Vector Control Research Centre, Indira Nagar, Gorimedu, PUDUCHERRY 605006, Tel. 0413-2272396(O), 09999002837(M); Email: drmanjurahi@gmail.
- RAI, AMIT KUMAR, PhD, Scientist C, Institute of Bioresources & Sustainable Development, Near Metro Point, TADONG 737102, Tel. 07085625990, 09002165460(M); Email: amitraikvs@gmail.com
- RAI, AWADHESH KUMAR, M.Sc., Ph.D., Professor, Department of Physics, University of Allahabad, PRAYAGRAJ, Res. Flat No. G-102, Narayan Apartment, 23/1 Master Zaharul Hasan Road, Katra, PRAYAGRAJ 211002, Tel. 0532-2460993(O), 09335110163(M); Fax: 2460993; Email: awadheshkrai@rediffmail.com
- RAI, BINDHYACHAL, M.Sc.(Physics), M.Sc.(Maths.), Ph.D., Professor & Head, Department of Mathematics, Allahabad University, PRAYAGRAJ 211002; Res. 11C, Liddle Road, George Town, PRAYAGRAJ 211002; Tel. 0532-2460007(O), 2468899(R)
- RAI, GEETA, Ph.D., Associate Professor, Molecular & Human Genetics Department, Institute of Science, Banaras Hindu University, VARANASI 221005, Res. Apt. No. 101-102, Chandrika Apts., Brij Enclave Colony Extn., Sunderpur, VARANASI 221109, Tel. 09452073466, 09919476655(M); Email: geetarair74@gmail.com
- **RAI, HAKIM,** M.Sc., Ph.D., Formerly Scientist F, Wadia Institute of Himalayan Geology, DEHRADUN, Res. 125, Bhoorgaon (Panditwari), P.O. Prem Nagar, DEHRADUN 248007, Tel.(0135) 2771236(R)
- RAI, PRABHAT KUMAR, Assistant Professor, Department of Environmental Science, School of ES and NRM, Mizoram University, Tanhril, Aizawl, MIZORAM 796004, Tel. 09862315981(M); Email: pkrai@mzu.edu.in;

RAI, RAM PRAWESH, Ph.D., S.R.Dip.S.S., Formerly Professor & Head of Mathematics, Gandhi Nagar, BALLIA - 277001

- RAI, RAMA SHANKER, D.Phil, Professor, Department of Chemistry, Birla Institute of Technology & Science, PILANI 333031
- RAI, SHAILENDRA, PhD, Associate Professor, K Banerjee Centre of Atmospheric & Ocean Studies, University of Allahabad, PRAYAGRAJ 211002, Tel. 0532-2460974(O), 09415649617(M); Email : raishail77@gmail.com
- RAI, SUMAN, M.Sc., Ph.D., 113, Madhuban, NEW DELHI 110092
- RAINA, RAJINDER KUMAR, M.B.B.S., M.D., Professor & Head, Department of Pharmacology & Therapeutics, Government Medical College, JAMMU
- RAISUDDIN, SHEIKH, M.Sc., Ph.D., Reader, Department of Medical Elementology & Toxicology, Jamia Hamdard (Hamdard University), NEW DELHI 110062; Res. C-202, Jamia Hamdard Campus, Hamdard Nagar, NEW DELHI Tel. 011-26059688(O), 26055103(R), 09810370351(M); Fax: 26059663; Email: sheikhraisuddin@yahoo.com
- RAIZADA, RAJENDRA BEHARI, M.Sc., Ph.D., FBRS, FAEB, Scientist Ell & Head, Pesticide Toxicology Laboratory, Industrial Toxicology Research Centre, P.B. 80, M.G. Marg, LUCKNOW 226001, Fax: 0522-228227, Email: raizadalko@rediffmail.com, raizadalko@yahoo.com
- RAIZADA, SAMEER KUMAR, M.Sc., Ph.D., Professor & Head, Department of Mathematics & Statistics, Dr. R.M.L. Avadh University, FAIZABAD 224001, Tel. 05278-246330, 245957(O), 09415715957(M); Fax: 246223; Email: skr.65@rediffmail.com
- RAJ, SHRI KRISHNA, M.Sc., Ph.D., Scientist EII, Molecular Virology Division, National Botanical Research Institute, Rana Pratap Marg, LUCKNOW 226001, Tel. 0522-2205831-35(O), 2321677(R); Fax: 2205836; Email: skraj2@rediffmail.com
- RAJ, UTKARSH, PhD, Area Director Biotechnology & Bioinformatics, NIIT University, RIICO Industrial Area, NH-8, Delhi Jaipur Highway, Japanese Zone, Neemrana, RAJASTHAN 301705, Tel. 01494-660642(O), 09936100030(M), Email: utkarsh.iiita@gmail.com
- RAJAMANICKAM, CHELLAM, M.Sc., Ph.D., Formerly Professor & Head of Biochemistry, Director, Osho Biotech Research Institute, 310, M.I.G. Colony, Anna Nagar, MADURAI 625020; Tel. 0452-5524314(O), 09443345854(M); Email: rajamanickamc@yahoo.com
- **RAJEEV,** M.Sc., Ph.D., Scientist, Regional Research Laboratory, BHUBANESHWAR- 751013
- RAJESH, Ph.D., Senior Principal Scientist, Biomedical Instrumentation Lab, CSIR-National Physical Laboratory, Dr. KS Krishnan Road, NEW DELHI 110012, Res. Flat No.09, Sector 7, Plot 3, Rashi Apartment, Dwarka, NEW DELHI-110075, Tel. 011-45609356(O), 079622399(R), 09899970851(M); Email: rajesh\_csir@yahoo.com
- RAJPUT, KISHORE SHANKARSINH, Ph.D., Associate Professor, Department of Botany, Faculty of Science, The Maharaja Sayajirao University of Baroda, VADODARA 390002, Res. B-58, Saideep Nagar, Nr. Vaikunth Bunglow, New VIP Road, VADODARA 390019, Tel. 0265-2791891(O), 09428165791(M); Email: ks.rajput15@yahoo.com
- RAJU, NANDIMANDALAM JANARDHANA, M.Sc., M.Phil., Ph.D., Professor, School of Environmental Sciences, Jawaharlal Nehru University, NEW DELHI-110067, Tel. 011-26704257(O), 09910629336(M), Email: rajunj7@gmail.com; rajunj@mail.jnu.ac.in

RAJVANSHI, SATISH CHANDRA, M.Sc., Ph.D., Formerly Professor of Maths & Head, Deptt.of Applied Science, Punjab Engineering College, House #1016, Sector #42-B, CHANDIGARH - 160036, Tel. 0172-2660572, 09779545086(M), Email: satish\_rajvanshi@yahoo.co.in

- RAJWAR, GOVIND SINGH, Ph.D., FLS(London), FNIE, FSPR, Professor, Himalayiya University, DEHRADUN; Res. A-34, Panache Valley, Sahastradhara Road, DEHRADUN 248013, UK; Tel. 09412324599(M); Email: rajwargs@hotmail.com
- RAM, B.B., Ph.D., Asstt. Director, Bihar State Central Agency, 31, R.R.Sinha Road, BHAGALPUR
- RAM, SHANKER, M.Sc., Ph.D., Former Senior Professor (HAG), Materials Science Centre, IIT Kharagpur, KHARAGPUR 721302, Res. H.No. 2097, PAC Ground, Kodopur, Ramnagar, VARANASI 221008, Email: sram@matsc.iitkgp.ac.in
- RAMAKRISHNAN, BALASUBRAMANIAN, Principal Scientist, ICAR-Indian Agricultural Research Institute, New Delhi 110012; Res. H-269, Naraina Vihar, New Delhi 110028. Tel. 07838222671(M); Email : ramakrishnanbala@yahoo.com
- RAMAKRISHNAN, N., M.Sc., M.Phil., M.Ed., Ph.D., F.B.S. Principal (Retired) Government College of Education for Women, COIMBATORE 641001, TN, Res. 44A, Soliyappan Street, KUMBAKONAM 612001, TN; Tel. 09443624319 (M); Email: nrk57@rediffmail.com
- RAMARAO, YELLAYI, M.Sc., Ph.D., Director, Central Inland Capture Fisheries Research Institute, BARRACKPORE 743101
- RAMASWAMY, K.R., B.Sc.(Hons.), M.Sc., Ph.D., C/O Sri K.R. Mohan, No. 27 'Sudarshan', Soundaryanagar Layout, Sidevahalw, BANGALORE -560073
- RAMESH, K.J., M.Sc., Ph.D., Adviser and Scientist G, Ministry of Earth Sciences, Mahasagar Bhavan, Block No. 12, CGO Complex, Lodi Road, NEW DELHI 110003; Tel. 011-24622059(O); Fax: 4690108; Email: kj.ramesh@nic.in; kjramesh26@gmail.com
- RAMÉSH, L., M.Sc., Ph.D., COO., Jubilant Aeronautics Pvt. Ltd., No.E-83, 2nd Main Road, 4th Cross, Kempegowda Nagar, BANGALORE 560019, Tel. 09448482826(M)
- **RAMPAL, CHANDAR,** M.Sc., Ph.D., Professor & Head, Zoology Department, Jammu University, JAMMU
- RAMPAL, SWARAN, M.Sc., Ph.D., Professor of Botany, Jammu University, JAMMU
- RAMTEKE, PRAMOD WASUDEO, M.Sc., Ph.D., FAEB, FABMS, Professor & Dean, Post Graduate Studies, Sam Higginbottom Institute of Agriculture, Technology & Sciences, Naini, PRAYAGRAJ 211007; Tel. 0532-2684281, 2684781(O), 09415124985(M); Fax: 2684394; Email: pwramteke@yahoo.com
- RAMU, ADELA, M.Pharm., PhD, Associate Professor, Department of Pharmacy Practice, National Institute of Pharmaceutical Education and Research-Guwahati; Sila Katamur, Halugurisuk, Changsari, Kamrup, GUWAHATI 781101, ASSAM, Tel. 08860280242(M); Email: ramu@niperguwahati.in, ramuadela@gmail.com
- RANA, SURINDER SINGH, MBBS, MD, DM, MAMS, FASGE, FSGEI, FAIGE, Professor, Department of Gastroenterology, Postgraduate Institute of Medical Education & Research, CHANDIGARH-160012, Res. H.No.205B, Type Five New Flats, Sector 24A, CHANDIGARH 160023, Tel. 0172-2756555(O), 2971605(R), 09872199135(M); Fax: 2744401; Email: drsurinderrana@gmail.com

RANDHAWA, PALWINDER SINGH, Ph.D., Professor, Department of Chemistry, Guru Nanak Dev University, AMRITSAR - 143005, Res. C-11, Guru Nanak Dev University Campus, AMRITSAR - 143005, Tel. 0183-2258802-09 x 3495(O), 09876062406(M); Fax: 2258819; Email: palwinder\_singh\_2000@yahoo.com

- RANI, MEETA, M.Sc., Ph.D., Reader in Physics, Res. E-1430 Omaxe City, Near Gulmohar Green School, LUCKNOW 226025, Email: drmeetarani@gmail.com
- RAO, A.D., M.Sc., Ph.D., Emeritus Professor, Centre for Atmospheric Sciences, IIT Delhi, Hauz Khas, NEW DELHI-110016, Tel. 011-26591317(O), 08800856563(M); Email: adrao@cas.iitd.ac.in
- RAO, A.G. APPU, M.Sc., Ph.D., Scientist & Head, Dept. of Protein Chemistry & Technology, Central Food Technological Research Institute, MYSORE- 570020, Res. #528, Anikethana Road, Kuvempunagar, MYSORE 570023, Tel. 0821-2515331(O), 2541010(R), Fax: 2517233, Email: appu@cscftri.ren.nic.in
- RAO, G.A.M., Nagpur University, NAGPUR
- RAO, H.A.R., Cochin University, COCHIN
- RAO, H.R ACHYUTHA, M.S.(Chicago), Ph.D., University Librarian, Post Box No. 8, Mysore University Library, Manasagangotri, MYSORE 570006, Tel. 0821-515556(O),512425(R);Fax:518835; Email: achyuthar@hotmail.com
- RAO, K. CHANDRASEKHARA, M.Sc., Ph.D., Professor, Department of Mathematics, Srinivasa Ramanujan Centre, SASTRA University, KUMBAKONAM 612001; Tel. 09865220159(M); Email: kcrao@src.sastra.edu
- RAO, K. RAMA, M.Sc., Ph.D., Scientist EI, CSMCRI Marine Algal Research Station, MANDAPAM CAMP 623519
- RAO, K. SAMBASIVA, M.Sc., Ph.D., Professor, Department of Physics, Andhra University, Visakhapatnam 530003; Res. 9-9-10/2 Shivaripalem, VISAKHAPATNAM 530017, Tel. 0891-2754871, 2532253, Email: konapala@satyam.net.in
- RAO, KANURI SATYANARAYANA, M.Sc., Ph.D., F.I.A.W.S., Director, Institute of Wood Science & Technology, P.O. Malleswaram, BANGA-LORE - 560003, Tel. 080-3341731(Direct), 3346811(General); Fax: 3340529
- RAO, KOTAPALLI SETHA, M.Sc., Ph.D., Ph.D.(Colo.), F.A.S.Z., F.A.T.E., F.B.A., Professor, School of Studies in Zoology, Vikram University, UJJAIN 456010
- RAO, KOTTAPALLI SREENIVASA, M.Sc., Ph.D., FNIE, Professor & Head, Department of Botany, University of Delhi, DELHI 110007; Tel. 09313294607(M); Email : rao.srkottapalli@gmail.com, srkottapalli@yahoo.com
- RAO, MANDAVA VENKATA BASAVESWARA, M.Sc., M.Tech., Ph.D., Professor, Krishna University; H.No. 6-186, BMPS Road, SER Center, Prasadampadu, VIJAYAWADA 521108, Tel. 08672-225964(O), 2842736(R), 09346234562(M); Fax : 225960; Email : vbrmandava@yahoo.com
- RAO, PANUGANTÍ VENKATA KRISHNA, M.Sc., Ph.D., Formerly Professor of Physical Chemistry, Andhra University; D.No. 8-3-222/8/7/19/20, 501 'Surya Residency', Madhuranagar, HYDERABAD 500038; Tel. 09849688975(R); Email: pvkr39@yahoo.com

RAO, R. VIJENDRA, M.Sc., Ph.D., Scientist F & HOD, Institute of Wood Science & Technology, 18 Malleswaram, BANGALORE - 560003; Res. A1, IWST Quarters, IWST Campus, 18, Malleswaram, BANGALORE - 560003; Tel. 080-23346811(O), 23314735(R), 09449074735(M); Fax: 23340529; Email: raorv@iwst.res.in

- RAO, V.V.RAMANA, Ph.D., Director, Gandhi Institute of Engineering & Technology, GUNUPUR 765022, RAYAGADA DIST, ORISSA, Tel. 06857-250172, 250497(R)
- RAO, VASANT GURUNATH, M.Sc., Ph.D., LL.B., F.B.S., F.P.S.I., Hon. Scientist, Niku Bio-Research Lab, 613, Nana Peth, PUNE 411002
- **RASSIAS, GEORGE M.,** Ph.D., Formerly Professor of Mathematics, The American College of Greece, 17, Spartis Str., 15233 Halandri Attikis, Athens, GREECE, Tel. 210-6830245, Fax: 210-6830245
- RASTOGI, BAL KRISHNA, M.Sc., Ph.D., Director General, Institute of Seismological Research, Raisan, GANDHINAGAR 382009; Tel. 079-66739001(O), 09978407515(M), Fax : 66739015; Email: dg-isr@gujarat.gov.in; brastogi@yahoo.com; dgisrgad@gmail.com
- RASTOGI, V.K., PhD, FIC, CCHEM, Formerly Professor, CCS University, Meerut; Indian Spectroscopy Society, KC 68/1 Old Kavinagar, GHAZIABAD 201002, Tel. 0120-4638274, 07291933543(M); Email: v\_krastogi@rediffmail.com
- RATH, SHIBA PRASAD, M.Sc., Ph.D., F.A.P.S., LL.B., Former Professor & Head, Department of Botany, Utkal University, Res. 258-MIG-II, Kanan Vihar-Phase-II, Patia, BHUBANESWAR 751031; 751004, Tel. 09438362355(M), Email: shibaprasad2001@yahoo.co.uk
- RATHA, BRAJA KISHORE, M.Sc., Ph.D., Professor, Department of Zoology, Biochemical Adaptation Lab., Banaras Hindu University, VARANASI-221005 Tel. 0542-2307149(O), 2575316(R), Fax: 2368174 Email: bkratha@bhu.ac.in, rathabk@satyam.net.in
- RATHIE, P.N., M.Sc., C/O Professor C B Rathie, D-25 Staff Colony, M R Engineering College, JAIPUR 302004
- RATHORE, HEMANT SINGH, M.Sc., M.Phil., Ph.D., FAZ, Professor, School of Studies in Zoology & Biotechnology, Vikram University, UJJAIN 456010, Res. D-2, Rishi-Nagar, UJJAIN 456010, Tel. 0734-2511317(O), 2512658(R), 09826578137(M), Fax: 2511645, Email: hrvuz2000@rediffmail.com, hrvuz2000@yahoo.co.in
- RATHORE, VIKRAM SINGH, M.Sc., Ph.D., 27/361, Arjan Vihar, Delhi Cantt., NEW DELHI 110010; Email:vic\_rathore@yahoo.com
- RATHOUR, RAJEEV, Ph.D., Principal Scientist, Dept. of Agricultural Biotechnology, College of Agriculture, CSK HP Krishi Vishvavidyalaya, PALAMPUR 176062; Res. H.No. 19, HB Colony Holta, PALAMPUR 176062; Tel. 01894-230314(O), 09418070992(M); Fax: 230511; Email: rathour72@gmail.com
- RAUT, SRIMANTA KUMAR, M.Sc., Ph.D., D.Sc., F.Z.S.(Cal.), Lecturer, Department of Zoology, Calcutta University, 35 Bally Gunge Circuler Road, CALCUTTA - 700019
- RAVI, M., PhD, DSc, Professor, Dept. of Human Genetics, Sri Ramachandra University, 1, Ramachandra Nagar, Porur, CHENNAI 600116; Tel. 09841486363(M); Email: mravi@sriramachandra.edu.in
- RAVINDRAN, P.N., M.Sc., Ph.D., Dip.J., 'Manasom', Major Santhosh Road, West Nadakkav, CALICUT 673011, Tel. Email: pnravi2003@yahoo.co.in

RAWAL, JITENDRA JATASHANKER, M.Sc., M.Phil., Ph.D., President, Ind.Planetary Soc.; B-201, Vishnu Apt., L.T. Road, Near Babhai Naka Chawk, Borivali (W), MUMBAI - 400092; Res. B-201, Vishnu Apt., L.T. Road, Near Babhai Naka Chowk, Borivali (West), MUMBAI - 400092; Tel. 09820990784(M); Email: ips.science@gmail.com

- RAWAL, RANBEER SINGH, M.Sc., Ph.D., Director, GB Pant Institute of Himalayan Environment & Development, Kosi-Katarmal, ALMORA 263643, Res. T VI, Paryavaran Colony, Kosi-Katarmal, ALMORA 263643, Tel. 05962-241015(O), 241034(R), 09410392114(M); Fax: 241014; Email: ranbeerrawal4@gmail.com
- RAWAT, M.S.M., M.Sc., Ph.D., Emeritus Professor, Former VC and Head of Chemistry, HNB Garhwal University, Srinagar, UK; Res. Shagun Villa, Bedini Vihar, Near SBI Jogiwala Mafi, Mohkampur, DEHRADUN 248005; Tel. 0807774370, 7830222580(M); Email: msmrawat@gmail.com
- RAY, DEBDAS, PhD, Associate Professor, Department of Chemistry, School of Natural Sciences, Shiv Nadar Institution of Eminence, NH-91, Tehsil Dadri, Gautam Buddha Nagar 201314, Tel. 09971467291(M); Email: debdas.ray@snu.edu.in
- RAY, JYOTIRANJAN S., Ph.D., Associate Professor, Physical Research Laboratory, Navrangpura, AHMEDABAD 380009, Res. E-13, PRL Quarters, Vikramnagar, Amli-Bopal Road, AHMEDABAD 380058, Tel. 079-26314165(O), 26860993(R); Fax : 26314900; Email : jsray@prl.res.in
- RAY, NILACHAL, M.Sc., D.Phil., F.A.E.B., F.A.P.S., F.A.Sc.(A.W.), Formerly Associate Professor, J.N. Krishi Vishwavidyalaya, Jabalpur & Head of Agril. Botany & Crop Physiology, College of Agril., Indore; Res. 36A Krishi Vihar, INDORE 452018; Tel. 0731-2497311
- RAY, SAMRIDDHI SANKAR, PhD, Assoc. Professor, International Centre for Theoretical Science, Tata Institute of Fundamental Research, Survey No. 151, Shivakote, Hesaraghatta Habli, BENGALURU NORTH 560089, Tel. 080-46536340(O), 42117256(R), 08277108705(M), Email: ssray@icts.res.in
- RAY, SANDIP KUMAR, M.Sc., M.Phil., Ph.D., Lecturer in Physics, B.J.B. Colleg (Autonomous), BHUBANESWAR 751014
- RAYMAHASHAY, BIKASH CHANDRA, Ph.D., M.Tech., Professor of Geology, Dept. of Civil Engineering, I.I.T., KANPUR 208016
- RAZA, SYED HASAN, M.Sc., Ph.D., F.B.S., F.N.I.E., Formerly Professor of Botany & Environmental Science, Osmania University, HYDERABAD, Res. H.No. 22-7-454, Purani Haveli, HYDERABAD 500002, Tel. 040-24503870, 32331825, Email: shraza\_91@yahoo.com
- RAZA, SYED SHADAB, PhD, Associate Professor, Lab Stem Cell & Restorative Neurology, ERA's Lucknow Medical College & Hospital, ERA University, LUCKNOW 226003, Tel. 0522-4153777 Extn.119(O), 651(L), 09695998848(M); Fax: 2407824; Email: drsyedshadabraza@gmail.com
- REDDY, CIRANDUR SURESH, Professor, Department of Chemistry, Sri Venkateswara University, TIRUPATI 517502, Tel. 0877-2289303(O), 2249952(R), 09849694958(M); Fax: 2289555; Email: csureshsvu@ vahoo.com: csrsvu@gmail.com:

REDDY, S.M. ADHUSUDAN, M.Sc., Ph.D., F.P.S.I., F.B.S., Emeritus Professor, Dept. of Botany, Kakatiya University, WARANGAL - 506009, Res. H.No. 12-12-3/1, Ravindra Nagar, Opp. Sitafalmandi Railway Station, SECUNDERABAD - 500061, Tel. 08712-38002-5(O), 27090081(R), 09849649078(M); Fax: 38800, 39600; Email: kakatiya@ap.nic.in

- RIAZ, UFANA, Assistant Professor, Materials Research Laboratory, Department of Chemistry, Jamia Millia Islamia, NEW DELHI 110025, Tel. 011-26983815(R), 09810776242(M); Email : uriaz@jmi.ac.in; ufana2002@yahoo.co.in;
- RISHI, NARAYAN, Ph.D., Professor and Advisor, Amity Institute of Virology and Immunology, Amity University, Secor 125, NOIDA 201313, Tel. 0120-4392961(O), 4323803(R), 09560097725(M); Fax: 4735699; Email: narayan.rishi@gmail.com, nrishi@amity.edu
- RIZVI, SYED AKHTAR HASAN, M.Sc., Ph.D., Reader, Department of Mathematics, Shia P.G. College, Sitapur Road, Lucknow; 101, Gwynne Road, LUCKNOW- 226018, Tel. 0522-2223141
- **RIZVI, SYED IBRAHIM,** M.Sc.,Ph.D., Professor, Department of Biochemistry, University of Allahabad, PRAYAGRAJ 211002, Tel. 0532-2242116(R), 09415305910(M); Email: sirizvi@gmail.com; rizvi@allduniv.ac.in
- ROY CHOUDHURY, SWARUP, PhD, Assistant Professor, Indian Institute of Science Education & Research Tirupati, TIRUPATI, Mangalam-517507, AP, Tel. 08772500906, 06289264661(M); Email: srchoudhury@iisertirupati.ac.in; src.bose@gmail.com
- ROY, A.N., M.Sc., Ph.D., F.P.S.I., Retired Reader and Head, Department of Botany, Agra College, Agra 282002, Res. 53, Chanakya Puri, Near Manas Nagar, AGRA 282010: 09557931065(M)
- ROY, AJOY KUMAR, Ph.D., FNAAS, ICAR-Emeritus Professor, Rani Laxmi Bai Central Agricultural University, JHANSI 284003; Tel. 09415412144, 07985242957(M); Email: royak333@rediffmail.com, royak3333@gmail.com
- ROY, ANIRBAN, Ph.D., Principal Scientist, Advanced Centre for Plant Virology, Division of Plant Pathology, Indian Agricultural Research Institute, Pusa Campus, NEW DELHI- 110012, Res. 11-A Scientist Apartment, Pusa Campus, NEW DELHI- 110012, Tel. 09560083999(M); Email: anirbanroy75@yahoo.com
- ROY, AWADH KISHORE, Ph.D., D.Sc.(HC), FBS, FPSI, FESI, Professor, Department of Botany, TM Bhagalpur University, BHAGALPUR 812007, Res. P-5, Professors' Colony, Lalbagh, Sarai, BHAGALPUR-812002, Tel. 0641-2500063(O), 2620122(R), Fax: 421469, 4221229
- ROY, BISHNUPADA, Ph.D., Professor, Department of Zoology, North-Eastern Hill University, SHILLONG 793022; Res. Quarter No. P-15, NEHU Campus, SHILLONG 793022; Tel. 0364-2722331(O), 09436119798(M); Email: bishnuroy12@rediffmail.com, broy@nehu.ac.in
- ROY, CHANDRA SHEKHAR, Department of Zoology, School of Life Sciences, Sambalpur University, SAMBALPUR ORISSA
- ROY, IPSITA, Ph.D., Professor, Department of Biotechnology, National Institute of Pharmaceutical Education & Research, Sector 67, SAS NAGAR 160062, Res. V/34, NIPER, Sector 67, SAS NAGAR 160062, Tel. 0172-2292061(O), 2292160(R), 09815935538(M); Fax: 2214692; Email: ipsita@niper.ac.in

ROY, MAINAK, Ph.D., Scientific Officer (F), Chemistry Division, Mod-Lab, Room No. 2-239-H, Bhabha Atomic Research Centre, MUMBAI – 400085; Res. A-29, Hastinapur, Anushakti Nagar, MUMBAI – 400094; Tel. 022-25592327(O), 25556937(R), 09819837510(M); Fax: 25505151; Email: mainak73@barc.gov.in

- ROY, SHEELA, Department of Zoology, Allahabad University, PRAYAGRAJ ROY, SHIPRA, Ph.D.,F.I.C.C.E., Professor & Head, Department of Chemistry, Govt. Geetanjali Girls PG Autonomous College, BHOPAL, Res. A-92, Minal Residency, J.K. Road, BHOPAL 462023, Tel. 09650377446(M), Email: shipra59roy@gmail.com
- ROY, SUBHASIS, PhD, Department of Chemical Engineering, Rajabazar Science College, University of Calcutta; Res. Gobardanga, Bhattacharjee Para, Dist North 24 Pargana-743252, WB, Tel. 033-23508386(O), 09775032952(M); Email: subhasis1093@gmail.com, srchemengg@caluniv.ac.in
- ROY, SUJIT, PhD, Assistant Professor, Department of Botany, UGC, Centre for Advanced Studies, The University of Burdwan, Golapbag Campus, BURDWAN 713104, WB, Tel. 09674813379, 09331946837(M), Email: sroy@bot.buruniv.ac.in; sujitroy2006@gmail.com
- ROYCHAUDHURI, CHIRASREE, PhD, Associate Professor, Dept. of Electronics & Telecom. Engg., Indian Institute of Engineering Science & Technology, Shibpur, HOWRAH 711103, Tel. 033-26684561(300)(O), 09830847300(M); Email: chirashree@telecom.iiests.ac.in
- RUKMANGADACHARI, E., M.A., M.Phil., Ph.D., Professor of Mathematics, H.O.D. of Humanities Sciences, Malla Reddy Engineering College; Res. H.No. 8-177/1, Prasoonanagar, Chintal, HMT PO, HYDERABAD- 500 054
- **RUKMINI, NEMANI,** M.Sc., Ph.D., 7-13-1, Sridhara Nilayam, A.U. Outgate, WALTAIR 530023, Tel. 0891-2550903
- SACHAR, RENU, M.Sc., Ph.D., Lecturer, Chemistry Department, Jammu University, JAMMU 180004
- SAGAR, R., PhD, Professor, Ecosystem Analysis Laboratory, Department of Botany, Banaras Hindu University, VARANASI 221005, Tel. 09451575695(M); Email: sagarbhu@gmail.com; sagar@bhu.ac.in
- **SAH, G.P.,** M.Sc., B.L., Ph.D., Head, Department of Mathematics, H.S. College, HAVELI KHARAGPUR, MUNGER
- SAH, SANGEETA PILKHWAL, Assistant Professor (Physiology), University Institute of, Pharmaceutical Sciences, UGC-CAS, Panjab University, CHANDIGARH, Tel. 09855448039(M); Email: spilkhwal@rediffmail.com;
- SAHA, ARIJIT, PhD, Associate Professor G, Institute of Physics Campus, Sachivalaya Marg, PO Sainik School, BHUBANESWAR 751005, Tel. 0674-2306406(O), 2306606(R), 09938241563(M); Email: arijit@iopb.res.in; arijitsahahri@gmail.com
- SAHA, PRABIR KUMAR, Ph.D., Professor, Department of Botany, Bose Institute, 93/1, Acharya Prafulla Chandra Road, KOLKATA 700009; Res. 'Kalpalok', P-188, Kalindi Housing Estate, P.O. Lake Town, KOLKATA 700089; Tel. 033-23502402, 2403(O), 25221732(R); 09433139089(M); Fax: 23506790; Email : pksaha@bosemain. boseinst.ac.in
- **SAHA, SANAT KUMAR,** D.Phil., F.I.C.S., F.A.E.B., Post Doctoral Fellow, CSIR, Department of Chemistry, University of Allahabad, PRAYAGRAJ

SAHA, SANDIP KUMAR, PhD, Professor, Mechanical Engineering Dept., Indian Institute of Technology Bombay, Powai, MUMBAI - 400076, Tel. 022-25767392, 25768392(O), 09930317392(M); Email: sandip.saha@iitb.ac.in

- SAHA, SUPRADIP, M.Sc., Ph.D., Principal Scientist, Room No.47, LBS Building, Agricultural Chemicals Div., ICAR-Indian Agricultural Research Institute, NEW DELHI 110012, Tel. 011-25841390(O), 22758068(R), 09013127773(M); Fax: 25841390; Email: s\_supradip@yahoo.com;
- SAHAI, ATUL KUMAR, M.Sc., D.Phil., Scientist G, Head, Climate Research & Services, India Meteorological Department, GOI, Meteorological Office, Shivajinagar, PUNE- 411005; Res. Row House No. 13, Shree Bhagwati Nagar, Pashan Sutarwadi Road, PUNE 411021; Tel. 020-25535877(O), 25865821(R), 09423582314(M); Fax: 25535435; Email: sahai@tropmet.res.in
- SAHAI, GANGA, M.Sc., D.Phil., Environmentalist, Formerly Reader & Principal, K.A. Postgraduate College, PRAYAGRAJ; Res. 213, Sahai-Sadan, Bahadurganj, Opp. Mandapam, PRAYAGRAJ 211003; Tel. 0532-2564584(R), 09415308575(M); Email : gsahai2006@indiatimes. com
- SAHAI, PARMESHWARI, M.Sc., Ph.D., Staff Scientist, National Institute of Immunology, JNU Complex, Aruna Asaf Ali Marg, NEW DELHI 110067, Tel.011-26162281, 26103799 Ext.231(O); Fax: 26162125; Email: psahai@nii.res.in
- SAHAI, SHAMSHER, M.Sc., Ph.D., S.R.F., Professor, Department of Zoology, Dr. H.S.Gour University, SAGAR 470 003
- SAHAY, VIJAY KRISHNA, B.Sc.(Hons.), M.Sc., D.Phil., Professor of Zoology, L.S. College, BRA Bihar University, MUZAFFARPUR 842001
- SAHI, BANSH GOPAL, M.Sc., Ph.D., FBS, FIGS, Sahitya Ratna, Formerly Principal, M.L.K.P.G. College, BALRAMPUR; 16/143 Raghawa Nagar, DEORIA-274001; Tel.05568-229278(R), 09598904008, 9935080338 (M)
- SAHOO, SANTI LATA, M.Sc., Ph.D., Professor and Head, PG Department of Botany, Utkal University, 'Vani Vihar' BHUBANESWAR 751 004, Tel. 0674–2581598(O), 09937062620(M); Email: santi\_bot\_uu@yahoo. co.in
- **SAHU, K.C.,** D.Sc., Professor & Head, Deptt. of V.D. & Leprosy, S.C.B. Medical College & Hospital, CUTTACK 7
- SAHU, PRASANT KUMAR, Professor, School of Electrical Sciences, IIT Bhubaneswar, At: Arugul, PO: Jatni, Dt: KHURDHA 752050, Tel. 0674-7135738(O), 09437140138(M); Email: pks@iitbbs.ac.in;
- SAHU, RANJAN KUMAR, Ph.D., Chief Scientist, AMP Division, CSIR-National Metallurgical Laboratory, JAMSHEDPUR 831007, Res. CH-49, CH Area, Bistupur, JAMSHEDPUR 831001; Tel. 0657-2345052(O), 2346072(R), 07903042199(M); Fax: 2345213; Email: rksahu@nmlindia.org
- **SAINI, M.R.,** M.Sc., Ph.D., Asstt. Professor, Department of Zoology, University of Rajasthan, JAIPUR 302004
- SAIPRAKASH, K., M.Sc., Ph.D., Professor of Chemistry, Osmania University, HYDERABAD 500007; Res. D32, Uma Nilayam, Madhura Nagar, HYDERABAD 500038; Tel. 040-27098828(O), 23814419(R), 09949032433(M); Fax: 27098769; Email: saiprakashou@yahoo.com
- SAKAR, MOHAN, PhD, Assistant Professor, Centre for Nano & Material Sciences, Jain (Deemed to be) University, Jain Global Campus, Kanakapura, Road, RAMANAGARA 562112, KAR., Tel. 09952762386(M); Email: m.sakar@jainuniversity.in

SAKSENA, JAGAT NARAYAN, M.Sc., Ph.D., Retd. Principal, Collegiate Education, Govt. of MP, Behind Block Quarters, Khutehi, REWA - 486001

- SALGARE, SHASHERAO APPARAO, M.Sc., Ph.D., Professor in Botany, Institute of Science, 15, Madam Cama Road, MUMBAI-400 032
- SAMAD, ABDUL, M.Sc., M.Phil., Ph.D., PDF (CIES), France, Chief Scientist, Microbiology & Plant Pathology Division, CIMAP, P.O. CIMAP, LUCKNOW 226015, Tel. 0522-2718521(O), 09415911805(R), Email: samad\_cimap@yahoo.co.in, a.samad@cimap.res.in
- SAMAJDAR, INDRADEV, Associate Professor, Department of Met. Engineering & Mater.Sci., Indian Institute of Technology Bombay, Powai, MUMBAI 400076; B-93, Bldg-19, Lake Side, IIT Bombay, Powai, MUMBAI 400076; Tel. 022-25767621(O), 25768621(R), Fax: 25723480; Email:indra@iitb.ac.in
- SAMANTA, AJAI KUMAR, Indian Institute of Chemical Biology, 4, Raja S.C. Mullick Road, Jadavpur, CALCUTTA 700 032
- SAMANTA, GURUPRASAD, M.Sc., Ph.D., Professor of Mathematics, Bengal Engineering and Science University, Shibpur, HOWRAH 711103; Res. 99/3, Kashi Nath Chatterjee, Lane, Shibpur, HOWRAH 711102; Tel. 033-26684561(O), 26881513(R), 09433360789(M); Fax: 26682916; Email: gpsamanta@math.becs.ac.in
- SAMANTA, TIMIR BARAN, M.Sc., Ph.D., Professor & Chairman, Department of Microbiology, Bose Institute, P1/12, C.I.T. Scheme VII M, CALCUTTA 700054, Tel. 033-3379544/9416/9219(O), 3378953(R); Fax: 33438886; Email: timir@boseinst.ernet.in
- SAMANTARAY, SUBHRANSU RANJAN, Ph.D., Assistant Professor, School of Electrical Science, IIT Bhubaneswar, BHUBANESWAR 751013, Res. AG-01, Gauri Sankar Residency, Laxmi Vihar, Near Sainik School Chauk, BHUBANESWAR 751005, Tel. 0674-2306251(O), 2567731(R), 09437305131(M); Fax: 2301983; Email: sbb\_samant@yahoo.co.in
- SAMBAIAH, K., M.Sc., M.Phil., Ph.D., Professor, Department of Mathematics, Kakatiya University, WARANGAL 506009; Tel. 0870-2461425(O), 6560166(R)
- SAMBYAL, SANJEEV SINGH, M.Sc., M.Phil., Ph.D., Professor, Department of Physics & Electronics, University of Jammu, Jammu 180006, Tel. 0191 2436804 (O), 2580221 (R), 09419183686 (M); Email: sanjeev. singh.sambyal@cern.ch
- **SAMPATHKUMAR**, **RAMANUJACHARI**, M.Sc., Ph.D., F.B.S., F.I.S.G., F.E.S., Professor of Botany, Annamalai University, ANNAMALAINAGAR 608002, Tel. 04144-238051(R), Email: rskumar\_bot@yahoo.co.in
- SAMPATHKUMARACHAR, EMBAR, Ph.D., Retd. Professor of Mathematics, Principal Investigator, DST Project, Deptt. of Mathematics, University of Mysore, MYSORE 570006
- Mysore, MYSORE 570006

  SANDHU, SATWANT KAUR, M.Sc.(Zoology), Ph.D., Research Officer, Tinplate Hospital, 1 Golmuri Road, JAMSHEDPUR 831003
- SANGAL, SATYENDRA PRASAD, D.Phil., D.Sc., Director, Dr. C.V. Raman Institute of Technology, M.I.D.C., Hingna Road, NAGPUR 440019
- SANGEETA, Ph.D., Scientific Officer H, Planning & Co-ordination Division, BARC, Programme Officer, Board of Research in Nuclear Sciences (BRNS) & Professor, Homi Bhabha National Institute, Trombay, MUMBAI– 400085 Res. 1704, Balaji Heights, Sec. 11, Sampada, Navi MUMBAI 400705, Tel. 022-25595179(O), 09833629559 (M); Email: sangita@barc.gov.in, sangeetasci@yahoo.co.in

SANGHAVI, JITENDRA RAMANLAL, M.Sc., Ph.D., Technical Director, Gujarat Analytical Laboratory, 202, Block-A, Vrusha Residency, Street Opp. Jogger's Park, Atabhai Chowk, BHAVNAGAR – 364002; Tel. 0278-2562518(O),09429635153(M); Email: asit\_sanghavi@hotmail.com

- SANGWAI, JITENDRA, Professor, Department of Ocean Engineering, IIT Madras, CHENNAI 600036, Tel. 044-22574825(O), 22576825(R), 09884310593(M); Fax: 22574802; Email: jitendrasangwai@iitm.ac.in;
- SANJAY, SHARDA SUNDARAM, M.Sc., D.Phil., Associate Professor, Chemistry Department, Ewing Christian College; Res. 14, Balrampur House, PRAYAGRAJ 211002, Tel. 0532-2413645(O), 2640584(R)
- SANKARARAMAKRISHNAN, RAMASUBBU, Ph.D., Professor, Department of Biological Sciences & Bioengineering, Indian Institute of Technology Kanpur, KANPUR 208016; Res. H.No. 323, Type III Quarters, IIT Kanpur, KANPUR 208016; Tel. 0512-2594014(O), 2598461(R), 09794108254(M); Fax: 2594010; Email: rsankar@iitk.ac.in
- SANT, H.R., M.Sc., Ph.D., FBS, FNRS, Professor of Botany (Retd.), Centre of Advanced Study in Botany, BHU, VARANASI; Res. Nalini Laxmi Niwas, B-130, Brij Enclave Colony, Sunderpur, VARANASI; Tel. 09793055262, 08953124437(M)
- SANTOSH, M.S., PhD, Senior Scientist, Coal to Hydrogen Energy for Sustainable Solutions Division, CSIR-CIMFR, Digwadih Campus, PO FRI, DHANBAD 828108, JHARKHAND, Tel. 0326-2388205(O), 09480793007(M); Email : santoshms@cimfr.nic.in; santoshgulwadi@gmail.com
- SANWARIA, HARI NARAYAN, M.Sc., Ph.D., Sr. Lecturer in Mathematics, 14 Kalyan Nagar Ist, Behind New Banglow, Tonk Road, JAIPUR 302011
- SANYAL, SOMNATH, M.Sc., Ph.D., F.I.C.S., F.S.A.E.S.T., F.I.C.C., F.I.C., Chartered Chemist; Professor & Head, Department of P.G. Studies in Chemistry, Sahibganj College, SAHIBGANJ 816109; Res. 3/119, Sakrogarh, SAHIBGANJ 816109; Tel. (06436) 222056(O), 222261(R), Fax: 223916
- SAPRE, VILAS BALWANT, M.Sc., Ph.D., Professor of Physics, Nagpur University Campus, Amravati Road, NAGPUR 440010, Tel. 0712-500946(O), 223922(R); Fax: 532841
- SARADA, R., M.Sc., Ph.D., Former Chief Scientist, Plant Cell Biotechnology Department, Central Food Technological Research Institute, MYSORE-570020; Res. 294, Sai Lahiri, CFTRI Layout, 4th Cross, 1st Main Bogadi, 2nd Stage, MYSORE 570026; Tel. 0821-2979293(R), 09449264529 (M); Fax: 2517233; Email: sarada\_ravi@yahoo.com
- SARASWAT, BHIM SEN, M.Sc., Ph.D., Professor of Chemistry, School of Sciences, Indira Gandhi National Open University, Maidan Garhi, New Delhi 110068; Res. 22 Ranjit Singh Block, Asian Games Village, NEW DELHI 110049, Tel. 011-26853417, 26522965(O), 26493305(R), Fax: 26853417, 26857067, Email: bssaraswat@ ignou.ac.in
- **SARASWATI, SWAMI PRANAVANANDA,** Director, Yoga Societies in America, P.O.Box-1322, San Fransisco, California-94101, U.S.A.,
- SARDAR, KAUTUK KUMAR, MVSc, Ph.D., Professor, Dept. of Pharmacology and Toxicology, College of Veterinary Sciences & AH, Orissa University of Agriculture & Technology, BHUBANESWAR 751003; Res. Flat No. A-103, Sagarika Enclave, Gandamunda Square, PO Khandagiri, BHUBANESWAR 751030; Tel. 0674-2397732(O), 07008774563, 09437463888(M); Fax: 2397732; Email: kksardar@gmail.com, kksardar@hotmail.com

**SAREEN, MADAN LAL**, Ph.D., Professor, Department of Zoology, Panjab University, CHANDIGARH - 160014

- **SAREEN, T.S.,** M.Sc., Ph.D., Lecturer, Department of Botany, Punjab University, CHANDIGARH
- SARIKA, PhD, Senior Scientist, R.No.107, Computer Building, Division of Agricultural Bioinformatics, ICAR-Indian Ag. Statistics Research Institute, Library Avenue, Pusa, NEW DELHI 110012, Tel. 011-25847121-24 Ext.4135(O), 09718833806(M); Fax: 25841564; Email: aijaiswal@gmail.com; sarika@icar.gov.in
- **SARKAR, D.C.,** Ph.D., Reader & Acting Head, Physics Department, Aligarh Muslim University, ALIGARH 202001
- SARKAR, DEBABRATA, Ph.D., F.N.A.A.S, Principal Scientist (Biotech.), Biotechnology Unit, Division of Crop Improvement, Central Research Institute for Jute and Allied Fibres, Barrackpore, KOLKATA 700120, Res. Sutripti Apartment, Flat No. D, 92/3/1, Abinash Banerjee Lane, Shibpur, HOWRAH 711102, Tel. 033-25356121 X 236(O), 26788088(R), 09007965448(M); Fax: 25350415; Email: d.sarkar@excite.com; debabrata\_s@yahoo.com
- SARKAR, KALYAN KUMAR, Ph.D., Reader, Department of Physics, St. John's College, AGRA 282002; Res. 61, Indra Dhanush Colony, Dayalbagh, AGRA 282005; Tel. 0562-2857484(O), 2800662(R); Email: kksarkar7@rediffmail.com
- SARKAR, PARAG ANJAN, M.Sc., D.Phil., Deputy Registrar (Academic) (Research Programme-Ph.D.), Allahabad Agricultural Institute, Deemed University, PRAYAGRAJ 211007
- SARKAR, PURNA CHANDRA, M.Sc., Ph.D., Principal Scientist, C & BP Division, ICAR-National Institute of Research on Jute & Allied Fibre Technology, 12, Regent Park, KOLKATA 700040; Tel. 033-24212115-17(O), 09709009004(M); Fax: 24712583; Email: drpcsarkar@gmail.com
- SARKAR, UTPAL, PhD, Assistant Professor, Department of Physics, Assam University, SILCHAR-788011, CACHAR, ASSAM, Tel. 09401542687, 08638854896(M); Email: utpalchemiitkgp@gmail.com
- SARMA, CHANDRA MOHAN, M.Sc., Ph.D., FLS(London), FISPP, FNRS, FBS, Formerly Professor & Head of Botany, Gauhati University; Res. R.D. Niloy, Tetelia, NH-37, Near Ganesh Mandir, Gotanagar, GUWAHATI 781033, Tel. 09435192027, 09864018247(M), Email: cmsarma@sify.com
- **SARMAH, SURYYA KANTA,** M.Sc., M.S., Ph.D., Formerly Professor & Founder Head, Dept. of Environmental Science, Gauhati University; Res. Arya Nagar, College Road, GUWAHATI 781016, Tel. 0361-2474036
- SARODE, SHIVAJI VYANKATRAO, M.Sc., Ph.D., A.R.S., DBM, M.A.(Eco.), M.A.(Pb.Adm.), FESI, Director of Research, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, AKOLA 444104; Tel. 0724-2258419(O), 2401127(R), 09423127674(M); Email: director\_res@pdkv.ac.in
- **SASTRY, K.P.R.,** M.A., Ph.D., Professor, Department of Mathematics, Andhra University, VISAKHAPATNAM 530003
- SASTRY, K.VENKATESWARA, Ph.D., Former Professor & Head of Bioscience & Dean, Faculty of Life Science, M.D. University, ROHTAK, Res. 105, Pravalika Towers, Nizampet Road, Kukatpally, HYDERABAD 500072

SASTRY, P. SUBRAHMANYA, M.Sc., Ph.D., Reader in Physics, AUGP Centre, NUZVID - 521201

- SASTRY, P.S., Department of Physics, Andhra University, CHENNAI-600025 SASTRY, PREKKI SUBRAHMANYA, M.Sc., Ph.D., Professor, Deptt. of Physics, Nagarjuna University, Post Graduate Centre, NUZVID 521201
- SATAPATHI, SOUMITRA, PhD, Assistant Professor, Department of Physics, Indian Institute of Technology Roorkee, Roorkee, HARIDWAR 247667, Tel. 01332 284819(O), 286819(R), 08126916483(M); Email: soumitrasatapathi@gmail.com
- SATHE, TUKARAM VITHALRAO, M.Sc., Ph.D., Sangit Visharad, IBT(Seri.), F.S.E.Sc., F.S.L.Sc., F.I.C.C.B., F.I.S.E.C., Professor & Head, Department of Zoology, Shivaji University, KOLHAPUR 416004; Tel. 0231-2636125(R), 07276309148(M)Email: profdrtusathe@rediffmail.com
- SATPATI, ASHIS KUMAR, PhD, Scientific Officer G, Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25590744(O), 25579686(R), 09167772662(M); Fax: 25595151; Email: asatpati@barc.gov.in; aksatpati@gmail.com
- SATSANGI, SARAN KUMAR, M.B.B.S., M.S.(Ophthalmology), Professor & Head, Department of Ophthalmology, S.N. Medical College, AGRA 282005, Res. 11, Dayal Nagar, Dayalbagh, AGRA, Tel. 0562-2570697, 09897069441(M), Email: sksatsangi@gmail.com
- SAXENA, ASHOK KUMAR, M.Sc., Ph.D., Émeritus Fellow, UGC, New Delhi, Department of Zoology, D.A.V. College, Civil Lines, KANPUR; Res. 7/182 Swarup Nagar, KANPUR 208002, Tel. 0512-2543768(R), 09451285252(M); Email: vijaykanpur@rediffmail.com
- **SAXENA, D.B.,** M.Sc., Ph.D., LL.B., F.A.Z., F.Z.S.I., F.S.I.H., C/o Ashuna Vidyalaya, G-1/302, 1100 Qts., BHOPAL 462 016
- SAXENA, GIRISH CHANDRA, M.Sc., Ph.D., Formerly Vice-Chancellor, BRA University; Res. 78, North Vijay Nagar Colony, AGRA 282004, Tel. 0562-2858528, 09412589069(M); Email: chairmanenat@epsfi.org
- SAXENA, KALPANA, M.Sc., Research Scholar, Department of Mathematics, Government P.G. College, SHAHDOL 484001
- SAXENA, NARENDRA SAHAI, M.Sc., Ph.D., Former Professor of Physics, Emeritus Scientist CSIR, Department of Physics, Rajasthan University, JAIPUR- 302055, Tel. 0141-2704056(O), 2551080(R); 09829051080(M); Fax: 2704056; Email: n\_s\_saxena@rediffmail.com
- SAXENA, PRABHU NARAIN, M.Sc., Ph.D., F.S.B., F.A.E.B., F.Z.S.I., F.I.A.E.S., F.E.S.I., Professor & Head, Department of Zoology, School of Life Sciences, Khandari Campus, Dr. B.R. Ambedkar University, AGRA 282002, Tel. 0562-2526432(O), 2522034(R), 09837068940(M); Email: dr\_pnsaxena@yahoo.co.in
- SAXENA, PRADEEP, M.Sc., B.Ed., Ph.D., F.P.S.I., Former Principal Scientist, Crop Improvement Division, IGFRI, JHANSI; Res. S-155/3A, Siddheshwar Nagar, Near ITI, JHANSI 284003; Tel. 0510-2447245(R), 09415506157(M); Email: pradeepsax@yahoo.com
- SAXENA, R.D., M.Sc., Ph.D., F.Z.S.I., 51- New Raja Mandi, AGRA
- **SAXENA, R.K.,** M.A., M.Sc., Formerly Sr. Scientist, CIFRI, 137E/1 Ka, Rajrooppur, PRAYAGRAJ-211011; Tel. 0532-2430339(R)
- SAXENA, RAJ BAHADUR, Ph.D., Rerired Assistant Research Officer (Chemistry), Central Research Institute Ayurveda, Aamkho, GWALIOR-474009; Res. 2, Ganesh Colony, Naya Bazar, GWALIOR-474009; Tel. 0751-4076287(R), 09752926029(M), Email: bigboss\_raja28@gmail.com

SAXENA, RAM CHANDRA, M.B.B.S., M.D., Dip.Clin Pharmacol (UK), Professor & Head, Department of Pharmacology & Director, Pharmacy Course, King George's Medical College, LUCKNOW - 226 003

- SAXENA, RAMESH CHANDRA, M.Sc., Ph.D., F.A.Z., F.R.E.S. (London), Professor & Head, Pest Control & Ayurvedic Drug Research Laboratory, P.G. Department of Zoology, S.S.L. Jain P.G. College, VIDISHA-464001; Tel. 07592-237598(Lab), 235082(R), 09827099045(M); Email: rcsvds@yahoo.com
- SAXENA, S.C., Department of Botany, Aligarh Muslim University, ALIGARH SAXENA, S.K., M.Sc., Ph.D., F.B.S., F.P.S.I., Formerly Professor of Botany, 135P, Sector 56, Opposite A WHO, GURGAON 122003
- SAXENA, SURESH CHANDRA, M.Sc., Ph.D.(London), D.I.C.(London), F.R.E.S., Emeritus Fellow (UGC), Formerly Professor of Zoology, University of Rajasthan, 5-Ja-5 Jawahar Nagar, JAIPUR 302004, Tel. 2652297
- SAXENA, VIJAY KUMAR, D.Phil., D.Sc., FIC, Retired Professor, Head & Dean; Res. Vijay Shree, HIG 2, Rajiv Nagar, Tili, SAGAR 470002; Tel. 07582-236689, 09424422243(M); Email: vijayshree46@rediffmail.com
- SAXENA, VINOD PRAKASH, Ph.D., Former Vice-Chancellor, Jiwaji University; Advisor, SIRTS; Res. B-147, New Minal Residency, J.K. Road, BHOPAL 462023, Tel. 0755-4055277(R), 09425109044(M), Email: vinodpsaxena@gmail.com
- SAXENA, YASHODA, M.Sc., Ph.D., Director, Vedik Kanya P.G. College, Adarsh Nagar, JAIPUR 302004; Res. 6-A, Kalyan Path, Police Memorial, JAIPUR-302004; Tel. 0141-2565584, 09829496401(M), Email: vishwamaryam@gmail.com
- SEKAR, K., Ph.D., Professor, Computational and Data Sciences, Indian Institute of Science, BANGALORE 560012, Tel. 080-22933059(O), Fax: 23600683; Email: sekar@iisc.ac.in
- **SEKHON**, **BHUPINDER SINGH**, M.Sc., Ph.D., Formerly Professor of Chemistry, Punjab Agricultural University, Res. 392 B, Bhai Randhir Singh Nagar, LUDHIANA 141012, Email: sekhon224@yahoo.com
- **SEKHON, G.S.,** B.Sc., Ph.D., Director, Vandhane, 8th Floor, 2nd Tolostay Marg, NEW DELHI
- SELVAN, T.A., M.Sc., Ph.D., Director, Geological Survey of India, JAIPUR 302004
- **SEN, AJIT KUMAR,** M.Sc., D.Phil., Reader in Chemistry, Ewing Christian College, B-617, G.T.B. Nagar, Kareli, PRAYAGRAJ 211016
- SEN, BISWAJIT, PhD, Associate Professor, Vidyasagar Teachers' Training College; Mohul Apartment, Aliganj, PO Midnapore, DIST. PASCHIM MEDINIPUR, WEST BENGAL 721101, Tel. 03222-275479(O), 352152(R), 09434431827, 08617317023(M); Email : bsen75@ yahoo.co.in
- SEN, JAYANTI, Ph.D., Staff Scientist III, National Centre for Plant Genome Research, PO Box 10531, JNU Campus, Aruna Asaf Ali Marg, NEW DELHI 110067, Res. 25C, Kohinoor Apt., Pocket A-10, Kalkaji Extension, NEW DELHI 110019, Tel. 011-30942826(O), 29990196(R), 9811757568(M), Fax: 26167394, Email: jayanti97@hotmail.com
- SEN, KALIDAS, M.Sc., Ph.D., Professor, School of Chemistry, University of Hyderabad, HYDERABAD 500 046, Email: sensc@uohyd.ernet.in

SEN, NOMITA, M.Sc., Ph.D., Formerly Professor of Botany, Govt. M.H.College For Women, JABALPUR; Res. 414(New No.)/236(Old No.), Gupteshwar, Premnagar, JABALPUR - 482001

- SENAPATI, BIKRAM KESHARI, M.Sc., Ph.D., FZSI, FNIE, Former Professor Emeritus of Ecology, Sambalpur University; Res. Flat No. 103, Ushoodaya Trinity, Plot No. 169, Cherry Lane, 2<sup>nd</sup> Cross, Green Glen Layout, Bellandur, BANGALORE 560103; Tel. 09437054309(M); Email: bikramsenapati@gmail.com
- SETH, DAYA SARAN, M.Sc., Ph.D., Reader, School of Chemical Sciences, Chemistry Department, St. John's College, AGRA 282002, Tel. 0562-2570015(R)
- SETH, JAGDISH, B.Sc.(Ag.), M.S.(USA), Ph.D.(USA), Retd. Agriculture Scientist, E A-394, Maya Enclave, NEW DELHI 110064
- SETH, RAVINDRA NATH, D.Phil., Principal Scientist, Riveraine Division, Central Inland Fisheries Research Institute, 24 Panna Lal Road, PRAYAGRAJ, Res. 948, Kalyani Devi, PRAYAGRAJ, Tel. 0532-2640531(O), 2452009(R), Fax: 2640531, Email: sethrn@rediffmail.com
- **SETHI, P.L.,** Ph.D., Department of Mathematics & Statistics, University of Jodhpur, JODHPUR 342001
- SEVARIÁ, KARAN SINGH, M.A., Ph.D., Formerly Principal, Govt. P.G. College, 78, Siddharth Nagar, Dhola Bhata Road, AJMER 305007, Tel. 0145-2660504(R)
- SHAH, C.K., M.Sc., Ph.D., F.B.S., Formerly Professor & Head of Botany, Bungalow No.18, Niranjan Society, Memnagar, AHMEDABAD - 380052
- SHAH, KAVITA, M.Sc., Ph.D., Professor, Institute of Environment & Sustainable Development, BHU; B-27/65-1, 'Shamaram', Durgakund, PO BHU, VARANASI–221005, Tel. 0542 2366297(O), 2311024(R), 09450955423(M), Email : kavitashah@bhu.ac.in; kavitashah69@gmail.com
- SHAH, KHURSHED AHMAD, PhD, Sr. Assistant Professor, University of Kashmir, H.No. 56, Balgarden, Karanagar, SRINAGAR - 190010, J&K, Tel. 01932-227764(O), 07006875969(M), Email : drkhursheda@ gmail.com
- SHAKUNTALA, V., C/O V K Rao, Advocate Magi, 1-10-99, Ashok Nagar, HYDERABAD
- SHALABH, Ph.D., Professor, Dept. of Mathematics & Statistics, Indian Institute of Technology, KANPUR 208016; Res. House No. 469, Indian Institute of Technology, KANPUR 208016; Tel. 0512-2597905(O), 2598238(R); Fax: 2597500; Email: shalab@iitk.ac.in
- SHAMSI, SHAHNAZ, M.Sc., M.Phil., D.Stat., Ph.D., Research Associate, C/o Dr. M. Wali, Physician to President of India, 6 President Estate, NEW DELHI - 110001
- SHANBHOGUE, S.L., Ph.D.(Washington), Ph.D.(Bombay), Formerly Director of Instruction, College of Fisheries, MANGALORE; Res. Ashwija, Shivabagh New Road, MANGALORE 575002; Tel. 0824-2217087(R); Email: slshanbhogue@hotmail.com
- SHANDIL, RAM GOPAL, M.A., M.Phil., Ph.D., Reader, Department of Mathematics, H.P. University, Shimla 171005, Tel. (0177) 230697; Email: shandil\_hpu@hotmail.com
- SHANKER, KARUNA, Ph.D., FIC, FICC, Senior Principal Scientist, CSIR-Central Institute of Medicinal & Aromatic Plants, PO CIMAP, LUCKNOW 226015, Res. E5, CIMAP Colony, Vikas Nagar, Sector 7, LUCKNOW 226022, Tel. 0522-2718580(O), 09415329718(M); Fax: 2718509; Email: k.shanker@cimap.res.in; kspklko@yahoo.com

SHANKER, RISHI, Ph.D., Formerly Professor & Chief Scientist, CSIR-Indian Institute of Toxicology Research, LUCKNOW - 226001; Res. C-1/411, Sector G, Jankipuram, LUCKNOW - 226021; Tel. 09839184190(M); Email: rishishanker@gmail.com

- SHANMUGAM, NARKUNARAJA, Ph.D., FAHA, Professor & Head, Department of Biomedical Sciences, Bharathidasan University, TIRUCHIRAPPALLI 620024, Tel. 09942884143(M); Email: snarkunaraja@gmail.com
- SHARANGI, AMIT BARAN, PhD, Post Doc(Melbourne), FAScT,FISRD(UK), FSAB,FISROSET,FAELS,FSSARSC,FSPP,FISNS, Professor & Dean, Faculty of Horticulture, Bidhan Chandra Krishi Viswavidyalaya (Agricultural University), MOHANPUR 741252; Res. Shivam Apartment, B-2/255, Flat #A-3, PO: KALYANI 741235, Tel. 03473-222659(O), 09433313117, 07003747506(M); Email : profabsbckv@gmail.com, dr\_absharangi@yahoo.co.in
- SHARMA, ALPANA, PhD, FAMS, FIABS, Professor, Department of Biochemistry, All India Institute of Medical Sciences, Ansari Nagar, NEW DELHI 110029, Res. 502, Kanchanjungha, Kaushambi, GHAZIABAD 201010, Tel. 011-26546665(O), 0120-2771586(R), 09899061974(M); Fax: 26588641; Email: dralpanasharma@gmail.com
- SHARMA, ASHOK, D.Phil., Anand Niketan, Dampier Nagar, MATHURA-281001
- SHARMA, ASHWANI KUMAR, PhD, AIFC, DSc, SFC (Oxford), DSc(hc), FIASc, FAFESc,FLS(London), IFS, Former Chief Conservator of Forests (Research) and Director, Forest Research Institute (UP); Res. 312 Post Office Road, Subhash Nagar, DEHRADUN 248002, Tel. 09456157411(M); Email: ashwani133@hotmail.com
- SHARMA, AVINASH, PhD, Scientist D, Lab No. 3, National Centre for Cell Science Pune, NCCS Complex, Ganeshkhind, PUNE 411007, Tel. 020-25329028, 25708052(O), 09421000888(M); Email: avinash@nccs.res.in
- SHARMA, B.B., M.Sc., Ph.D., D.Sc.., Formerly Professor, Department of Mathematics & Statistics, H.P. University, Shimla; 105/11, New Satha, Near Bandh, BULANDSHEHAR 203001
- **SHARMA, B.L.,** M.A., Ph.D., Professor of Mathematics, Dean of Science, Faculty of Science, University of IFE, NIGERIA
- **SHARMA, BALDEV,** M.Sc., Ph.D., Professor & Head, Department of Zoology, University of Jammu, JAMMU 180006, Tel. 0191-435248, 435259 x 304(O), 01923-80167(R); Fax: 450014
- SHARMA, BANSHI DHAR, B.Sc., B.V.Sc. & A.H., M.V.Sc., Ph.D., Formerly Professor of Animal Breeding & Genetics, Ranchi Veterinary College, Vill. - Arsanday, P.O. - Boreya, RANCHI – 835240; Tel. 0651-2450516(R), 09470161702(M)
- SHARMA, BRIJ BEHARI, B.Sc.(Hons.), M.Sc., Ph.D., F.B.S., Formerly Professor of Botany, University of Lucknow, C/C - 183, Mahanagar, LUCKNOW - 226006
- SHARMA, CHANDRA KISHORE, M.Sc., Ph.D., Professor & Head, Department of Mathematical Sciences, A.P.S. University, REWA 486003; Res. 8/245, Upavan Nagar, REWA 486002, Tel: 07662-233455(O), 242982(R), 09424338249(M); Email: cksharma54@rediffmail.com

SHARMA, CHANDRA SHEKHAR, PhD, Associate Professor, A-311, Chemical Engg. Dept., Indian Institute of Technology, Hyderabad, KANDI - 502285, Telangana, Tel. 040-23016112(O), 08374461784(M), Fax: 23016032; Email: chans2k2@gmail.com

- SHARMA, D.C., M.Sc., Ph.D., Amanzai Jalalnagar, (West of N.E.R. Colony), SHAHJAHANPUR 242 001
- SHARMA, EKTA, PhD, Associate Professor & Head, Department of Textiles and Apparel Designing, Ethelind College of Home Science, SHUATS, PRAYAGRAJ 211007, Tel. 0532-2684553(O), 09450308089(M); Fax: 2684394; Email: groverekta1@gmail.com
- SHARMA, GAURI DUTT, M.Sc., Ph.D., F.B.S., F.N.R.S., Vice Chancellor, Bilaspur University, BILASPUR 495001; Formerly Vice-Chancellor, Nagaland University; Pro Vice-Chancellor, Assam University, SILCHAR 788011, Tel. 0775-2214203(O), 09406218401, 09435500660(M), Fax: 2260294, Email: gduttasharma@yahoo. co.in
- SHARMA, GOKUL CHANDRA, M.A., Ph.D., Retd. Professor, Department of Mathematics & Computer Science, Institute of Basic Science, Khandari, AGRA - 282 002; Res. F-28 Professor's Colony, Kamla Nagar, Agra -282005, Tel. 0562-2582255(R); 09897417784(M); Email: gokulchandra5 @gmail.com
- SHARMA, HAR SWAROOP, M.Sc., D.Phil., Scientific Officer (SF), Fuel Chemistry Division, B.A.R.C., Trombay, MUMBAI 400085
- SHARMA, J.P., D.Phil., D.Sc., Formerly Professor of Chemistry, University of Allahabad, PRAYAGRAJ; Tel. 273958(O), 270611(R)
- SHARMA, J.R., M.Sc., Ph.D., Formerly Scientist-G (Director's Grade) & Head, Genetics & Plant Breeding, CIMAP, LUCKNOW, Res. 25/7, Ring Road, Indira Nagar, LUCKNOW, Tel. 0522-2716211, 2715547, 2715461
- SHARMA, JAIMALA, Ph.D., Professor, Department of Zoology, University of Rajasthan, JAIPUR 302004; Res. 3A, Maharanis College Staff Quarter, Near Diggi House, JAIPUR 302004; Tel. 0141-2711158(O), 2371723(R), Fax: 2711158; Email: sharma\_jaimala@yahoo.co.in
- SHARMA, JITENDRA PRASAD, M.Sc., D.Phil., P.D.(USSR), D.Sc., Formerly Professor of Mathematics, Head, Department of Applied Sciences, M.M.M. Engineering College, GORAKHPUR; Res. 68, Triveni Nagar (Near Lal Mandir), Naini, PRAYAGRAJ
- **SHARMA, K.C.,** Ph.D., Lecturer in Mathematics, University of Rajasthan, 17 Jawahar Nagar, JAIPUR 302004
- SHARMA, KAMAL DEV, Ph.D., Professor & Head, Dept. of Agricultural Biotechnology, College of Agriculture, CSK Himachal Pradesh Krishi Vishvavidyalaya, PALAMPUR 176062; Res. 43, Adarsh Nagar Colony, Kasoti, Thakurdwara, PALAMPUR, Distt Kangra 176102; Tel. 01894-230314(O), 09418468896(M); Fax: 230511; Email: kml1967@rediffmail.com
- SHARMA, KARTIKEYA, M.B.B.S., M.S., M.Ch., Consultant Neurosurgeon, KNMH, 22-A Clive Road, Civil Lines, PRAYAGRAJ 211001, 09415215354 (M);Tel. Email: sharmakartikeyaneuro@yahoo.co.in
- SHARMA, KEDAR BABU, M.Sc., Ph.D., FIETE, Principal, S.S. Jain Subodh P.G. College, Rambagh Circle, JAIPUR 302004, Res. C-5, 6D, Engineers Colony, Behind Swarn Garden, New Sanganer Road, Mansarover, JAIPUR 302020; Tel. 09829016598(M); Email: drkb\_sharma@rediffmail.com

SHARMA, KEWAL KRISHAN, M.Sc., Ph.D., B.Ed., FESI, Former Director, ICAR-National Institute of Secondary Agriculture (formerly Indian Institute of Natural Resins and Gums), Namkum, RANCHI - 834010, Tel. 09006773784(M); Email: kewalkks@gmail.com

- SHARMA, KRISHAN KUMAR, M.Sc., Ph.D., Former Vice Chancellor, MDS University, Ajmer; Res. 50 Milan Nagar, Ghooghra, AJMER 305023; Tel: 0145-2949497, 09414280984(M); Email: kksmds@gmail.com, kksonline20@gmail.com
- SHARMA, KULDEEP KRISHNA, M.Sc., Ph.D., Professor, Department of Zoology, University of Jammu, JAMMU 180004
- SHARMA, M.L., M.Sc.(Hons.), Ph.D., Emeritus Professor, Department 0f Botany, Panjab University, CHANDIGARH 160014; Res. H.No. 163/Sector 6, PANCHKULA 134109; Tel. 0172-2779510 (O), 2563386(R), 09815903386, 09815973353(M); Email: mlsharma.bot@gmail.com
- SHARMA, MAHESH PRASAD, M.Sc., Ph.D., F.P.S.I., Research Associate, 28/565 Manhar Kutir, Kans Gate Gokul pura, AGRA 282002
- **SHARMA, MEENA,** Ph.D., Reader, Chemistry Department, Jammu University, JAMMU 180004
- SHARMA, MOHAN DATTA, Ph.D., Formerly Professor, Department of Mathematics, Kurukshetra University, HARYANA 136119; Res. D-161, Herman City, Kurukshetra, HARYANA 136118; Tel. 09466229445(M); Email: mdsharma@kuk.ac.in
- SHARMA, MOHINDER PAUL, M.Sc.(Hons.), Ph.D., F.L.S., F.B.S., F.P.S.I., Retd. Professor, Department of Botany, Panjab University, CHAN-DIGARH 160014, Res. 1545/Sector-49B, Pushpac Complex, CHANDIGARH 160047; Tel. (0172) 2634114(R), 08872332299(M)
- SHARMA, MUKUND, M.Sc., Ph.D., PGDHRM, Scientist G, Birbal Sahni Institute of Palaeobotany, 53, University Road, LUCKNOW-226007, Res. Flat No. G07, Tower 'H' Shalimar Gallant, Mahanagar, LUCKNOW 226006, Tel. 0522-2742922(O), 09839314630(M); Fax: 2740485; Email: sharmamukund1@rediffmail.com
- SHARMA, NAMRATA, M.Sc., M.Phil., Ph.D., Professor, Department of Botany, University of Jammu, JAMMU 180006, Res. 177, Sector 5, Channi Himmat, JAMMU, Tel. 01912451684(O), 09419103468(R), 09086003468(M), Email : phyllanthus@rediffmail.com, namratadni@gmail.com
- SHARMA, NARENDRA NATH, Ph.D., H-208, Block-VI, Sector-V, Rajendra Nagar, SAHIBABAD 201005
- SHARMA, NEEL KANTH, M.Sc., Dr.res.nat., Professor in Chemistry, Jammu University, JAMMU 180004
- SHARMA, NEERAJ, M.Phil., W-56, Greater Kailesh, NEW DELHI
- SHARMA, NEETA, M.Sc., M.Phil., Ph.D., FPSI, FES, FBRS, FNRS, Reader, Department of Botany, Lucknow University, LUCKNOW 226007, Tel. 0522-2308871; Email: sharma\_n@lkouniv.ac.in
- SHARMA, NIVEDITA, Professor (Microbiology), Department of Basic Sciences, University of Horticulture & Forestry, Nauni, SOLAN 175001, Tel. 01792252282(O), 252560(R), 09418828483, 07018947507(M); Fax: 252242; Email: niveditashaarma@yahoo.co.in;

SHARMA, OM PARKASH, M.Sc., Ph.D., FSCG, Retd. Professor, Res. C-103, Pawittra Apartments Vasundhara Enclave, Delhi – 110096, Tel. 011-22614003, 09868074287 (M); Email: neeruom@yahoo.com

- SHARMA, P.R., M.Sc., M.Phil., Ph.D., Former Professor & Head, Department of Mathematics, University of Rajasthan, JAIPUR; Res. Gaur Bhawan, 14, Van Vihar, Tonk Road, JAIPUR- 302018, Tel. 0141- 2708960(R); Email: profprsharma@yahoo.com
- SHARMA, PURNIMA, Ph.D., Managing Director, Biotech Consortium India Ltd., Anuvrat Bhawan, 5th Floor, 210 Deen Dayal Upadhyaya Marg, NEW DELHI 110002, Res. D-789, Saraswati Vihar, DELHI 110034, Tel. 011-23219062(O), 47147570(R), 09811169159(M); Fax: 23219063; Email: ceo.bcil@nic.in, purnimasharmadr@gmail.com
- SHARMA, R.C., Ph.D., D.Sc., FICS, FICC, FCS, C.Chem., FRSC(London), Former Director & HOD Chemistry, Forensic Science & Pharmacy, Dr. BRA University, Agra; Res. 9, Lata Kunj, Mathura Road, AGRA 282002, Tel. 0562-2601078(R), 09412509090(M), Email: may2641@sifv.com
- SHARMA, RAJ PAL, M.Sc., Ph.D., Professor in Chemistry, Panjab University, 624/1, Milk Colony, Dhanas, CHANDIGARH 160014; Tel. 172-2534433(O), 2688724(R); Email: rpsharmapu@yahoo.co.in
- SHARMA, RAJENDRA KUMAR, Ph.D., Professor, Department of Mathematics, Indian Institute of Technology, Hauz Khas, NEW DELHI- 110016
- SHARMA, RAJESH, M.Sc., Ph.D., Scientist G, Wadia Institute of Himalayan Geology, 33, General Mahadeo Singh Road, DEHRADUN-2480001, Res. 164 Engineer Enclave, Phase I, General Mahadeo Singh Road, DEHRADUN 248001, Tel. 0135-2525183(O), 2722098(R), 09897162714(M); Fax: 2625212; Email: sharmarajesh@wihg.res.in
- SHARMA, RAMAN, PhD, Professor, Physics Department, Room No. 202, Sir CV Raman Bhawan, Science Block B, Gyan Path, Himachal Pradesh University, SHIMLA-5, Tel. 0177-2830950, 2833733(O), 08894377363 (M); Fax: 2830775; Email: raman.sharma@hpuniv.ac.in; sramanb70@gmail.com
- SHARMA, RAMESH BABU, M.Sc., Reader, Dept. of Physics, Bipin Behari P.G. College, JHANSI 284001
- SHARMA, RATTAN CHAND, Ph.D.(Soil Sciences), Head, Crop Production, Central Potato Research Institute, SHIMLA - 171001
- SHARMA, RATTAN LAL, M.Sc., Ph.D., Professor & Head, Department of Chemistry, University of Jammu, JAMMU 180006, Tel. 0191-2453969(O), 2463389(R), Email: rlsharma\_hod@rediffmail.com
- SHARMA, ROHIT, M.Sc.(Hons.Sch.), Ph.D., F.B.S., Chairperson, Department of Microbial Biotechnology, Panjab University, New Hospital Building, Sector 25, CHANDIGARH 160014; Res. 1545, Sector 49B, Pushpac Complex, CHANDIGARH 160047; Tel. 0172-2536161(O), 2634114(R), 09914461545(M), Email : rohit28@pu.ac.in; rohit28@yahoo.com
- **SHARMA, S.P.,** Ph.D., C.Sc., Ed.(USA) Dip.Sc.Ed., Reader in Physics, Regional College of Education, BHOPAL (MP)
- SHARMA, SATISH CHANDRA, M.A., B.T., D.M.& S.P., Clinical Psychologist, B-20, MIG, 4-49-20 Lawson's Bay Colony, VISAKHAPATNAM 530 017, Tel. 0891-2530602
- SHARMA, SATYAWATI, M.Sc., Ph.D., Professor, Head, Centre for Rural Development & Technology, Indian Institute of Technology Delhi, Hauz Khas, NEW DELHI 110016, Tel. 011-26591116(O), 26591567(R), Fax: 26591121; Email: satyawatis@hotmail.com

SHARMA, SHASHI PRAKASH, Ph.D., Professor, Department of Geology and Geophysics, Indian Institute of Technology Kharagpur, KHARAGPUR - 721302, Res. A-113, IIT Campus, KHARAGPUR - 721302, Tel. 03222-283386(O), 283387(R), 09434036692(M), Fax: 282268, Email: spsharma@gg.iitkgp.ac.in

- SHARMA, SHILPI, PhD, Professor, Biochemical Engineering and Biotechnology Department, Indian Institute of Technology Delhi, Hauz Khas, NEW DELHI 110016, Tel. 011-26596192(O); Fax: 26582282; Email: shilpi@dbeb.iitd.ac.in
- SHARMA, SHIV K., Ph.D., Scientist V and Additional Professor, National Brain Research Centre, Manesar, HARYANA 122051, Tel. 0124-2845232(O), Fax: 2338910, Email: sharmas@nbrc.ac.in
- **SHARMA, SHIV KUMAR,** M.Sc., Ph.D., F.E.S.I., Research Scientist, School of Entomology, St. John's College, AGRA 282002.
- SHARMA, SUBHASINI, M.Sc., Ph.D., Treasurer, Green Earth Foundation, C-141-A, Mahaveer Marg, Malviya Nagar, JAIPUR 302017, Tel. 09414054120(M), Email: subhasini\_sharma@yahoo.com, subhasini2@gmail.com
- SHARMA, SURESH C., Ph.D., Professor, Department of Applied Physics and Dean (Acad-PG), Delhi Technological University, Shahbad Daulatpur, Bawana Road, DELHI-110042,Tel. 011-27296328(O), 27568015(R), 09810276474(M); Email: prof\_sureshsharma@dtu.ac.in; suresh321sharma@gmail.com;
- SHARMA, T.C., Ph.D., Formerly Professor, School of Studies in Chemistry, Vikram University, Res. 14-B, Inderpuri, Sethi Nagar, UJJAIN 456010
- SHARMA, TILAK RAJ, Ph.D., Former VC, Career Point University, Kota; Res. H.No. M-45, HIMUDA Colony, Holta (Opposite University Gate No. 1), PALAMPUR 176062, District Kangra (HP); Tel. 09418057601(M); Email: president@cpur.edu.in; trsharma88@gmail.com
- SHARMA, UPENDRA PRASAD, B.Sc., M.Sc., B.L., Ph.D., Kailash Dham Lane, S.K. Tarafdar Road, Adampur, BHAGALPUR 812001
- SHARMA, VEERENDRA KUMAR, PhD, Scientific Officer G, Solid State Physics Division, Bhabha Atomic Research Centre, MUMBAI 400085, Tel. 022-25594604(O), 20854155(R), 09969474155(M); Fax: 25505151; Email: vksphy@gmail.com; sharmavk@barc.gov.in
- SHARMA, VIDUR, M.Sc., Ph.D., D.Sc., F.I.C.S., I.A.S., MISCA, FNA, FRS., Professor Scientist (Director) UPSC/CSIR/., Res. House No. 180, Jyotish Karyalaya, Director Bunglow, Mori Para Street, Near Kotwali, MEERUT CITY 250002
- SHARMA, VIJAI KUMAR, Ph.D., Retd. Principal, Higher Education, Govt. of MP, Bhopal; Res. D-267, New Minal Residency, J.K. Road, BHOPAL 462021, Tel. 0755-2770747, Email: k\_sharma50@rediffmail.com
- SHARMA, VIJAI NATH, Ph.D., Head, Physics Department, Pachapatia, Parsipur, VARANASI 221402
- SHARMA, VINOD PRAVIN, MSc, PhD, Chief Scientist & Professor AcSIR, Regulatory Toxicology Group, CSIR-Indian Institute of Toxicology Research, 31, Vishvigyan Bhawan, MG Marg, LUCKNOW 226001, Res. 83, Chitvan, Chandralok Colony, Near Surya Dental Centre, LUCKNOW 226024, Tel. 0522 2611547, 2627586(O), 09935500100 (M), Fax: 2628227, 2611547, Email: vpsitrc1@rediffmail.com, vpsharma@iitr.res.in

SHASTRI, M.M., Department of Genetics, Andhra University, WALTAIR SHET, MANJANATH GOPAL, M.Sc., D.H.E., Ph.D., F.I.C., Bldg.No. 31, Block No. 309, IIIrd Floor, Swatantra Sainik Nagar, Amboli, Andheri(W), MUMBAI - 400058, Tel. 022- 26774645

- SHINGARE, MURLIDHAR SHRIDHARRAO, Ph.D., Sr. Professor & Head (Retd.), Emeritus Scientist (CSIR), Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, AURANGABAD 431004; Res. 60, Rewati Housing Society, In front of Nath Seeds, Paithan Road, Vitkheda, AURANGABAD-431010; Tel. 09423748459(R), 09890077458(M); Email: msshingare@yahoo.com
- SHIVACHANDRA, SATHISH BHADRAVATI, Principal Scientist, ICAR-National Institute of Veterinary Epidemiology & Disease Informatics, PB #6450, Ramagondanahalli, Yelahanka, BANGALURU 560064, Res. C-58/1/A, Dillenia Street, Ramanashree California Gardens (RCG) Layout, Ananthapura, Yelahanka, BENGALURU 560064; Tel. 080-23093100/111/138(O), 09148677353(M); Fax: 23093222; Email: sb.shivachandra@icar.gov.in; sbshivachandra@gmail.com
- SHIVAPRAKASH, M.R., M.D., Additional Professor, Department of Medical Microbiology, Research 'A' Block, PGIMER, CHANDIGARH-160012, Res. No. 1176, Sector 2HB, CHANDIGARH 160014, Tel. 0172-2755162, 2755155(O), 2771056(R), 09316175146(M); Fax: 2744401; Email: mrshivprakash@yahoo.com
- SHIVAY, YASHBIR SINGH, Ph.D., Principal Scientist, Division of Agronomy, ICAR-Indian Agricultural Research Institute, NEW DELHI 110012, Res. CGM 034, Capital Greens, DLF Towers, Shivaji Marg, Motinagar, NEW DELHI 110015, Tel. 011-25841488(O), 09868337578, 09650230379 (M); Fax: 25842283; Email: ysshivay@hotmail.com, ysshivay@gmail.com, ysshivay@iari.res.in
- SHRIVASTAVA, ALOK KUMAR, PhD, Assistant Professor of Botany, MG Central University; C/o B.D. Singh, Behind Durga Mandir, New Chandmari, MOTIHARI 845401, Tel. 07320920971, 08004365016(M); Email: alokbotbhu@gmail.com
- SHRIVASTAVA, H.S.P., M.Sc., Ph.D., Retired PG College Principal, Res. 504, Kasturba Nagar, Gali No. 8, RATLAM 457001, Tel. 07412-263376, 504041(R)
- SHRIVASTAVA, MADAN MOHAN PRASAD, Ph.D., Assoc.IARI, Formerly Director of Agriculture, Govt. of Bihar, 42, Rajendra Path, North Shrikrishna Puri, PATNA 800013, Tel. 0612-2263510, Fax: 2263378, Email: mmps1999@yahoo.com, mmps2000@rediffmail.com
- SHRIVASTAVA, PANKAJ KUMAR, M.Sc., Ph.D., Asstt. Professor of Physics, Govt. New Science College, Near P.K. Girl's School, Gali No. 3, House No.16/489, Urrahat, REWA 486 001
- SHRIVASTAVA, PRABIR KUMAR, M.Sc., Ph.D., Sr. Lecturer in Mathematics, Govt. Polytechnic, 'Verma Niwas', Pankha Toli, Kalambag Road, MUZAFFARPUR 842002
- SHRIVASTAVA, R.P., M.Sc., Ph.D., Formerly Professor of Physics, Govt. PG Science College, C/o Smt. N.K. Sinha, 43 MIG, Nehrunagar, BILASPUR-495001
- SHRIVASTAVA, RAM S., M.Sc., Ph.D., CDI, Principal, Govt. Model Autonomous College, Holkar Science College, INDORE (MP)

SHUKLA, BIRENDRA PRASAD, M.Sc., Ph.D., P.G.D.D.E., (IGNOU), Reader, Department of Chemistry, National P.G. College, Barhalganj, GORAKHPUR- 273402

- SHUKLA, ISHWAR CHANDRA, M.Sc., D.Phil., D.Sc., FIC, FICS, Formerly Professor & Head of Chemistry, University of Allahabad, Res. 11 Astha Society, Hastings Road, Near Teliani Hospital, Ashok Nagar, PRAYAGRAJ 211001, Tel. 0532-2506858(R), 09935658049(M); Email: prof.icshukla@rediffmail.com
- SHUKLA, R.K., Reader, Mathematics Department, Kakatiya University, WARANGAL 506009
- SHUKLA, R.S., M.Sc., Ph.D., Scientist, Division of Plant Pathology, CIMAP, Post Box No. 1, P.O. RSM Nagar, LUCKNOW 226016
- SHUKLA, RAKESH RAMKAILASH, PhD, Technical Officer (D), Chemistry Division, Mod-Lab, Bhabha Atomic Research Centre, Trombay, MUMBAI-400085, Tel. 022-25595409(O), 09224425255(M); Email: rakesh@barc.gov.in; shuklarakesh26@yahoo.co.in
- SHUKLA, RAKESH, M.Sc., Ph.D., Asstt. Director (Scientist E), Division of Pharmacology, Central Drug Research Institute, LUCKNOW 226001, Email: shuklanrss@yahoo.com
- SHUKLA, RAM SAMBHAR, M.Sc., D.Phil., Former Senior Principal Scientist, Inorganic Materials and Catalysis Division, CSIR-CSMCRI; Res. Flat No. A1-302, Vrundaban Apartment, Opposite Inductotherm Factory, Bopal, AHMEDABAD 380058, Tel. 09173004267(M), Email: ramshukla55@vahoo.in
- SHUKLA, SACHCHIDANAND, M.Sc., Ph.D., Senior Lecturer, Department of Physics & Electronics, Dr. R.M.L. Avadh University, FAIZABAD 224001, Tel. 05278-245655(O), 240651(R)
- SHUKLA, SANGEETA, Ph.D., D.Sc., Vice Chancellor, Jiwaji University, GWALIOR, Res. 46, Jhansi Road, GWALIOR, Tel. 0751-2442750(O), 2429197(R), 09826038184(M); Email: profsshukla@gmail.com
- SHUKLA, VENKTESH NARAIN, M.Sc., Ph.D., F.C.N.Sc., F.Z.S.I., F.A.Z., Former Reader in Zoology, Brahmanand College, KANPUR, Res. 13, Yog Galaxy, 15/82, Civil Lines, KANPUR 208001; Tel. 09235837393(M), Email: venshukla@gmail.com
- SHUKLA, YOGESHWER, M.Sc., Ph.D., Scientist EII, Industrial Toxicology Research Centre, M.G. Marg, PO Box 80, LUCKNOW 226001, Email: yogeshwer\_shukla@homail.com
- SHYAMSUNDARI, KOKA, M.Sc., Ph.D., Formerly Professor of Zoology, Andhra University, 8-1-65/1, Peda Waltair, VISAKHAPATNAM 530017
- **SIDDIQI, ABUL HASAN,** Ph.D., Professor, Department of Mathematics, Aligarh Muslim University, ALIGARH 202001
- SIDDIQUE, HIFZUR RAHMAN, PhD, Senior Assistant Professor, Section of Genetics, Department of Zoology, Aligarh Muslim University, ALIGARH 202002, Tel. 0571-27000920 Ext. 3456(O), 07454952840(M), Email: hrsiddique@gmail.com
- SIDDIQUE, YASIR HASAN, Ph.D., Associate Professor, Section of Genetics, Department of Zoology, Aligarh Muslim University, ALIGARH 202002; Res. G-1, Phoenix Apartment, Near Nizamipuliya, Sir Syed Nagar, AMU, ALIGARH 202002; Tel. 09410060564(M); Email: yasir\_hasan siddique@rediffmail.com

SIDDIQUI, I.R., D.Phil., Associate Professor, Department of Chemistry, University of Allahabad, PRAYAGRAJ - 211002; Res. 18G/14, Elgin Road (L.B. Shashtri Marg), Civil Lines, PRAYAGRAJ - 211001; Tel. 0532-2461236(O), 2404156(R), 09335153359(M); Email : irsiddiquiau@rediffmail.com

- SIDDIQUI, SAEED A., Professor & Chairman, Department of Botany, Aligarh Muslim University, ALIGARH - 202002, Tel. 401016(O), 401713(R)
- **SINGARE, S.M.,** M.Sc., Lecturer in Math & Statistics, MG College, Ahmadpur, Dist. Osmanabad, MAHARASHTRA
- SINGH, AJAY KUMAR, Professor, Department of Physics, IIT Kharagpur, KHARAGPUR 721302, Tel. 03222-283832(O), 283833(R), 09434044415(M); Email: singh@phy.iitkgp.ac.in;
- SINGH, AJAYA KUMAR, DPhil, Professor, Govt. VYTPG, Autonomous College Durg; B-573, Street-32, Smriti Nagar, BHILAI, DURG, CHHATTISGARH, Tel. 0788-2212030(O), 09406207572(M); Email: ajayaksingh\_au@yahoo.co.in; ajayaksinghau@gmail.com
- SINGH, ALOK, D.Phil., Professor, School of Computer & Information Sciences, University of Hyderabad, Hyderabad 500046, Res. P 701, Aparna Cyberzon, Nallagandla, HYDERABAD 500019, Tel. 040-23134011(O), 09908502048, 09397194163(M); Fax: 23010780; Email: alok.ik@gmail.com
- SINGH, AMAR NATH, M.Sc., Ph.D., Emeritus Professor, BHU, Res. Flat No. 407, Dr. Nand Lal Singh Housing Complex, Taria, Sunderpur, VARANASI 221005
- SINGH, AMARJEET, PhD, Associate Professor, School of Life Sciences, Jawaharlal Nehru University, NEW DELHI 110067; Tel. 011-26704524(O), 09354279529(M), Email: amarjeetsingh@jnu.ac.in
- SINGH, ANAND PRAKASH, Ph.D.(USA), Professor, Department of Mathematics, Central University of Rajasthan, Bandar Sindri, KISHANGARH 305801, Tel. 09530210278(M), Email: singhanandp@rediffmail.com
- SINGH, ANIL KUMAR, Ph.D., FISSS, FNAAS, Vice President, National Academy of Agricultural Sciences, NASC, Dev Prakash Shastry Marg, Pusa, NEW DELHI 110012, Tel. 011-25846051, 25846052(O), 09425702142(M); Fax: 25846054; Email: aks\_wtc@yahoo.com; aksingh. icar@gmail.com
- SINGH, ANIL KUMAR, Principal Scientist, ICAR-National Institute for Plant Biotechnology, LBS Building, IARI Pusa Campus, New Delhi 110012; Tel. 011-25841787/25842789, Ext. 213(O), 09816648959(M); Email: anils13@gmail.com; anil.singh12@icar.gov.in
- SINGH, ARUN KUMAR, M.B.B.S., M.S., M.Ch., Professor & Head, P.G. Dept. of Plastic Surgery, K.G's. Medical University, LUCKNOW 226 003; Tel. 0522-2257446(O), 2407200(R), 09451006600(M); Email: singhkarun@hotmail.com
- SINGH, ARUN KUMAR, M.Sc., Ph.D., Reader in Zoology (B.D. College, M.U., Patna), Opposite Anand Apartment, Mandal Compound, East Boring Canal Road, PATNA 800001; Tel. 0612-2521816, 09430033979(M); Email: arnksingh@gmail.com; arnksingh@yahoo.com
- **SINGH, B.B.,** M.Sc., Ph.D., Professor & Head, Department of Crop Physiology, N.D. University of Agriculture & Technology, Kumarganj, FAIZABAD 224229
- **SINGH, BABU,** M.Sc., Ph.D., D.I.C., Professor of Botany, Govt. Agril. College, KANPUR

SINGH, BALBIR, M.Sc., Ph.D., Formerly Principal Scientist, Central Inland Capture Fisheries Research Institute; Res. E-03/A Samarpan Vihar, 110/8, Malviya Road (George Town), PRAYAGRAJ - 211002, Tel. 0532-2466599(R), 09936447449(M)

- SINGH, BANSH NARAIN, M.Sc., Ph.D., FNAS, Formerly Dy. Director General (Fisheries), House No. 29, H-Block, South City, Rai Barelly Road, LUCKNOW 226002, Tel. 9810334346(M)
- SINGH, BHARAT, M.Sc., M.Tech., Research Scholar (CSIR), P.G. Centre, G.D. College, BEGUSARAI
- SINGH, BIJENDRA, PhD, FNAAS, FIAHS, FISVS, Vice-Chancellor, Acharya Narendra Deva University of Agriculture & Technology, Kumarganj, AYODHYA 224229, Res. H. No. 132, Om Nagar Colony, Chitaipur-BHU Panchkoshi Road, Chitaipur P.O. Sunderpur, VARANASI 221005; Tel. 05270-262161(O), 8004924520(M); Email: vcnduat2018@gmail.com; bsinghiivr@gmail.com;
- SINGH, BRAHMA, M.Sc.Ag. (Hort), Ph.D. (Hort), F.N.A.A.S., F.N.A.B.S, F.A.F.S.T., F.I.S.V.S., F.B.S., President, Indian Society for Protected Cultivation and Society for New Age Herbals; Ex. Director, Life Sciences, DRDO, 713, Pocket 'E', Mayur Vihar Phase -2, DELHI 110091, Tel. 011-22784782, 09818313660 (M); Email: brahma88@hotmail.com
- SINGH, C.B., Ph.D., (IARI), Commonwealth Post.Doct.(Aust.), FISG, Ex. Professor & Dean/Director, Jawaharlal Nehru Agril. University, HIG 60, Subhash Nagar, Maharajpur, JABALPUR 482004, Tel. 0761-2353325(R), 2329077 (O), 09425148477(M); Email: chbsingh@rediffmail.com
- SINGH, CHANDRA BALI, M.Sc, Ph.D., F.E.S.I., Formerly Professor and Head, Department of Zoology, Govt. Postgraduate Model College of Science College, REWA; Res. Formerly Principal, Higher Education, Govt. of M.P., Upvan Nagar, Badabag, REWA 486001, Tel. 07662-250120(R)
- **SINGH, D.N.,** M.Sc., Ph.D., Head, Deptt. of Human Cytogenetics, Director, Genetic Counselling, Meherry Medical College, NASHVILLE, USA
- SINGH, D.N., M.Sc., Ph.D., Senior Scientist, Central Fisheries, 22, Rajkumar Road, Rajajinagar, BANGALORE 560010, Tel. 080-3357213(O); Fax: 3357213; Email: cifribgl@bgl.vsnl.net.in
- SINGH, DAMODAR, M.Sc., Ph.D., F.B.S., F.E.S., University Professor of Botany, Nalanda College, BIHARSHARIF 803101
- **SINGH, DEVENDRA**, M.Sc., Ph.D., F.B.S., Reader & Head, Department of Botany, B.S.A. College, MATHURA
- SINGH, DHARAM PAL, M.Sc., Ph.D., F.I.C., F.I.C.S., F.I.C.C., Professor & Ex- Chairman, Department of Chemistry, National Institute of Technology, KURUKSHETRA-136119, Res. CB-6, National Institute of Technology, KURUKSHETRA 136119, Tel.01744 238241(R), 09813219241(M); Fax: 238050, Email: dpsinghchem@yahoo.co.in
- **SINGH, DHARAMDEO N.,** School of Medicine, Dept.of Pediatrics, Meharry Medical College, Nashville, TENNESSEE, USA 37208
- SINGH, DILEEP KUMAR, M.Sc., Ph.D., Professor, Department of Zoology, University of Delhi, DELHI 110007, Res. D6/29-31, Probyn Road, University of Delhi, DELHI 110007, Tel. 011-27667191(O), 27666550(R), 09810258052(M), Fax: 27666423, Email: dksingh@zoology.du.ac.in

SINGH, DINESH, PhD, Principal Scientist, Division of Plant Pathology, ICAR-Indian Agricultural Research Institute, Pusa Campus, NEW DELHI-110012, Tel. 011-25843474(O), 09968246428(M), Email : dinesh\_iari@rediffmail.com; dineshsingh@iari.res.in

- SINGH, ERIC JOHN, M.Sc., D.Phil., North West Institute for Medical Research, 5651, West, Addison Street, Chicago-34, ILLINOIS, USA
- SINGH, GYANENDRA, Ph.D., FISGPB, FSAWAR, Principal Scientist, ICAR-Indian Institute of Wheat & Barley Research, Post Box 158, KARNAL 132001, Tel. 09416109950(M); Email: gysingh@gmail.com, gyanendra. singh@icar.gov.in
- SINGH, H.B., M.Sc., Ph.D., Scientist, Plant Protection & Quarantive, National Botanical Research Institute, LUCKNOW 226001, Tel. 0522-205831-35, Ext.129, 205841, 205838, Ext.129(O), 356724(R); Fax: 205841, 205848; Email: harikesh\_singh@hotmail.com
- SINGH, H.R., M.Sc., Ph.D., F.N.I.E., Formerly Professor & Head, Department of Zoology and Vice-Chancellor, University of Allahabad; Res. 3/33, HIG, Shraddhapuri, Phase I, Kankerkhera, MEERUT 250001; Tel. 0121-2556957(R), 09410035821(M); Email: profsinghhr@yahoo.co.in
- SINGH, HARI GOVIND, M.Sc., Ph.D.(Ohio, USA), Formerly Vice-Chancellor, GB Pant University of Agril. & Technology, Pantnagar, V-Poore Beni Bhadwaria, P.O. Konhara, DISTT. SULTANPUR (UP)
- SINGH, HARI MOHAN, M.Sc., B.L., Ph.D., FRAS(Lond.), FRHS(Lond.), Formerly Professor of Chemistry, Ranchi University, Mohalla-Aryapuri, Ratu Road, RANCHI 834001, Tel. 0651-308104
- SINGH, HARI NAM, M.Sc., Ph.D., Scientist E-1, Ergot Technology Division, Central Institute of Medicinal & Aromatic Plants, P.O. CIMAP, LUCKNOW - 226015
- SINGH, HIJAM TOMBI, M.Sc., Ph.D.(Aberdeen),FZSI, MZBiol(UK), FLS(Lond.), Vice-Chancellor, Manipur University, IMPHAL 795003
- SINGH, HUKUM, M.Sc., D.Phil., P.G., Ph.D., C.Sc., D.Sc., Professor of Mathematics, Head, D.E.K., and Dean (Academic), NIE, N.C.E.R.T., Sri Aurobindo Marg, NEW DELHI 110016, Tel. 09811763907 (M);Email: deanacademicnie@yahoo.com
- **SINGH, INDRA SEN**, Lecturer, Genetics & Plant Breeding Dept., Institute of Agrl. Sciences, BHU, VARANASI
- SINGH, JAGDISH PAL, Ph.D., F.I.C., F.I.C.C., F.I.C.S., Professor of Chemistry & HOD, Applied Sciences & Principal College of Pharmacy, Shri Ganpati Institute of Technology, Parson N.H. 24, Opp. Jindal Pipes Ltd. GHAZIABAD 201302; Res. 4/185, Vaishali, GHAZIABAD 201010, Tel. (0120) 2779797(R), 09868578363(M)
- SINGH, JANARDAN, M.Sc., Ph.D., Ex-Professor, Head & Dean, Department of Entomology, Institute of Agricultural Sciences, Banaras Hindu University, VARANASI 221 005,Tel. 0542 2310067, 09415211205, 09415300869(M); Email: janardan\_parashar@rediffmail.com
- SINGH, KAMAL, M.Sc., Ph.D., Professor & Head, Department of Physics, Nagpur University Campus, Amravati Road, NAGPUR 440033, Res. 137, Nelco Society, Subhash-Nagar, NAGPUR 440022, Tel. 0712-2500083(O), 2228992(R), 250073, Email: kamalsingh48@indiatimes.com
- SINGH, KAMALJIT, Ph.D., Professor, Department of Chemistry, Guru Nanak Dev University, AMRITSAR 143005; Res. 17, Guru Amar Das Avenue, Lane 1, Block C, Ajnala Road, AMRITSAR, Tel. 0183-2258802-09 Extn. 3508, 2258853(O), 09914006662(M); Fax: 2258819-20; Email: kamaljit19in@yahoo.co.in

SINGH, KAVINDRA, M.Sc., Ph.D., Reader & Professor In charge (Academics), Deptt. of Zoology, Bareilly College, Post Box 15, BAREILLY - 243005

- SINGH, KHEM KARAN, M.Sc., Ph.D., Formerly Principal, KAPG College, Kasganj; Res. 2, Hanuman Nagar (Near 61, Chankyapuri), Shahganj, AGRA 282010; Tel. 0562-2512688(R), 09410007533, 09412526460 (M), Email: kksingh.maths@gmail.com
- SINGH, KHUB, MVSc, PhD, CIEF(UK), Formerly Director, National Institute of Animal Nutrition & Physiology, BANGALORE; Res. T23, (GF), Eldeco Residency Greens, Sector Pi, PO Kasna, GREATER NOIDA 201306
- SINGH, KIRAN, M.Sc., Ph.D., Formerly HOD of Zoology, M.S. College, BIKANER; Res. 6(Kh) 11, South Ext., Pawanpuri, BIKANER-334001; Tel. 0151-2240879, 09462507919, 09829995717(M); Email: singhdrkiran@yahoo.co.in
- SINGH, KUNWAR PAL, Ph.D., FBS, FPSI, SMPP, FBIOVED, Formely Scientist F (Dy. Director) & Head, ERGOT Technology, CIMAP, Lucknow; Res. H.No. 8, Sector-25, Indiranagar, LUCKNOW 226016, Tel. 09450114494(M), Email: singhkp718@gmail.com
- SINGH, LAISHRAM RAJENDRAKUMAR, PhD, Assistant Professor, Dr. BR Ambedkar Center for Biomedical Research, University of Delhi, DELHI 110007, Tel. 011-27666272(O), 120-2347051(R), 09811630757(M); Email: lairksingh@gmail.com
- SINGH, LAL BAHADUR, M.V.Sc., Ph.D., Ex. Principal Scientist & Head, Goat Genetics & Breeding, Central Institute for Research on Goats, Farah; Res. 470-A, New Sohbatiya Bagh, PRAYAGRAJ 211006, Tel. 09415883750(M); Email: drlbsingh750@gmail.com
- SINGH, LAXMI KANT, MSc, DPhil, FITEE, Professor & Head, Dept. of Physics & Electronics, Dr. R.M.L. Avadh University, FAIZABAD 224 001 SINGH, M.M., M.Sc., Ph.D., 87-Nav Adarsh Colony, Garha Road,
- JABALPUR- 482 002 SINGH, MADHUSUDAN, MSc,MS(EE),MS(Math),PhD, Associate Professor,
- Department of Electrical Engineering, IIT Delhi, Hauz Khas, NEW DELHI 110016, Tel. 011-26591063(O), Email: msingh@ee.iitd.ac.in
- SINGH, MAHENDRA NARAIN, M.Sc., Ph.D., Reader cum Scientist, Department of Genetics and Plant Breeding, Banaras Hindu University, VARANASI 221005, Tel. 0542-2316819(O), 2366307(R), Fax: 2368174(O)
- SINGH, MARKANDEY, M.Sc., Ph.D., FICCE, FUWAI, Scientific Officer (E), National Test House (NR), Kamala Nehru Nagar, GHAZIABAD 201002
- SINGH, MOOL CHAND, M.Sc.(Ag.), Ph.D., F.E.S., Principal Scientist, Division of Plant Quarantine, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, NEW DELHI 110012; Res. A-190, First Floor, Inderpuri, NEW DELHI 110012; Tel. 011-25802751(O), 09958196700(M); Email: moolchand.singh@icar.gov.in; mchsingh@gmail.com
- SINGH, N.P., M.Sc.(Maths), M.A.(Eco.), M.Com., M.Ed., Ph.D.(Maths), Ph.D.(Eco.), D.Sc.(Maths), Retired Reader, Mathematics Deptt., C.L. Jain P.G. College, 236, Durga Nagar, FIROZABAD 283203
- SINGH, NAMEIRAKPAM IRABANTA, Ph.D., FPSI, FCAI, FIAS, FNRS, FLS(London), FIMS, Professor of Life Sciences, Manipur University & Dean, School of Life Sciences, Canchipur, IMPHAL 795003, Res. Kongba Uchekon Khunou, Imphal East District, IMPHAL 795008, Tel. 0385-2435064(O), 2456775(R), 09436280447(M); Fax: 2435965(O); Email: irabanta.singh@gmail.com

SINGH, NARENDRA KUMAR, M.Sc., Lecturer in Botany, Ranchi College, RANCHI

- SINGH, NEELOO, Ph.D., Scientist C, Department of Biochemistry, Central Drug Research Institute, LUCKNOW 226001, Tel. 0522-212411-18 Ext. 4203, 4345(O), 364137(R); Fax : 223405; Email : neeloo888@ yahoo.com
- SINGH, NERVDESHWER, M.Sc, Ph.D., L.T., Principal, Kamla Nehru Institute of Child Education, Distt. SULTANPUR 228001; Res. Vill-Itaura, Post-Ardauna-221705, Distt. MAU, UP; Tel. 05362-293608, 09648939452, 09452302991(M); Email: drndsinghcpvn@gmail.com
- SINGH, OM PAL, M.Sc., Ph.D., Director, Information & Technical Services Division, Atomic Energy Regulatory Board, Niyamak Bhavan, Anushaktinagar, MUMBAI 400094, Res. 11-B, Annapurna, Anushaktinagar, MUMBAI 400094, Tel. 022-25576255(O), 25568447(R), 9819811948(M), Email: ompal@aerb.gov.in, singhompal@yahoo.com
- SINGH, P.N., M.Sc., Ph.D., F.B.S., F.P.S.I., Reader (Retd.), Department of Botany, Meerut College, MEERUT, Res. 317, Prabhal Nagar, Meerut, Tel. 121 2670533
- SINGH, PITAMBER, MSc, PhD, FMASc, FIAPS, Former Head, Ion Acceleraor Development Division and Raja Ramanna Fellow, BARC, Mumbai, Res. E-191, Raghunath Vihar, Sector-14, Kharghar, Navi MUMBAI 410210, Tel. 022-35653074(R), 09619428918(M); Email: psingh1953@gmail.com, pitamber\_singh@rediffmail.com
- SINGH, PRABHAT KUMAR, PhD, Scientific Officer (G), 3-152-H, Mod Lab, Radiation & Photochemistry Division, Chemistry Group, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Tel. 022-25590894(O), 09869409429(M); Email: prabhatk@barc.gov.in; prabhatsingh988@gmail.com
- SINĞH, PRABHPREET, PhD, Associate Professor, Department of Chemistry, Guru Nanak Dev University, AMRITSAR 143005, Tel. 0183-2823272(O), 08427101534(M); Email: prabhpreet.chem@gndu.ac.in; prabhpreet1979@gmail.com
- SINGH, PRAVEEN, Ph.D., Principal Scientist, Biophysics Section, Biochemistry Division, Indian Veterinary Research Institute, Izatnagar, BAREILLY 243122; Res. 74B Utsav Part-1, Mahanagar, Pilibhit Bypass, BAREILLY 243006, Tel. 0581-2301654 Ext.2493/2368(O), 08126135154, 09319928418(M); Fax: 2303284; Email: psingh67@yahoo.com, praveen.singh2@icar.gov.in
- **SINGH, R.C.,** Department of Mathematics, DVPG College, ORAI (UP) **SINGH, R.L.,** Ph.D., Ex Vice Chancellor, Meerut University, MEERUT
- SINGH, RAJENDER, PhD, Professor, School of Physics, University of Hyderabad, Central University P.O., HYDERABAD 500046, Res. 156, Doyens Township, Hyderabad University Road, Serilingampally, HYDERABAD-500019, Tel. 040-23134321, 23134256(O), 23010458(R), 09440311821(M); Fax: 23010227; Email: rssp@uohyd.ernet.in, rsinghsp@gmail.com
- SINGH, RAM BABU, M.Sc., Ph.D., Research Scientist 'C' UGC (Professor), Dept. of Zoology, School of Life Sciences, Dr. B.R.Ambedkar University, Khandari Campus, AGRA 282002; Res. 17, Veer Nagar Colony, Dayal Bagh, AGRA 282005; Tel. 0562 2526432(O), 2571777(R); 09319010325(M); Email: rbsinghugc@gmail.com

SINGH, RAM BINOY, B.A.(Hons.), M.A., Ph.D., Ph.D.(Moscow), Formerly Professor & Head of Mathematics, BRA Bihar Univ., Res. Sivaraj Path, Tilak Nagar East (Behind Patna Diesels), Kankarbagh, PATNA – 800020; Tel. 09430935959(M)

- **SINGH, RAM JI,** M.Sc., Ph.D., Reader in Mathematics, P.D. Deptt. Maharaja College, ARRAH (BIHAR)
- SINGH, RAM KEWAL, PhD, FNAAS, Dean, College of Agriculture, Room No. 205 Academic Building, Rani Lakshmi Bai Central Agricultural University, JHANSI 284003 and Former Assistant Director General (Commercial Crops), ICAR; Res. 5/819, Viram Khand, Gomti Nagar, LUCKNOW 226010, Tel. 0510-2730800(O), 9450930028(M); Email: dean.agri.rlbcau@gmail.com, ikrps@yahoo.com, ikrps62@gmail.com
- SINGH, RAM PRAKASH, M.Sc., D.Phil., Reader in Mathematics, Ewing Christian College, PRAYAGRAJ, Res. 11/B, Lidile Road, George Town, PRAYAGRAJ, Tel. 0532-2468347, Email : ramprakash56@rediffmial.com
- SINGH, RAMA KANT, M.Sc., Ph.D., D.Sc., D.Sc.(Colombo), FISEP, Scientist, Division of Toxicology, C.D.R.I., LUCKNOW 226001, Tel. 0522-212411-212418 Ext. 4316, 4283(O), 360609(R); Fax: 223405/223938; Email: root@cscdri.ren.nic.in
- SINGH, RANA KRISHNA PAL, D.Phil., Associate Professor, Dept. of Chemistry, University of Allahabad, PRAYAGRAJ 211002, Res. 9/30 B, M.L. Nehru Road, Church Lane, PRAYAGRAJ 211002; Tel. 0532-2461236(O), 2465287(R), 08303125502, 09335179483(M), Email: rkp.singh@rediffmail.com
- SINGH, RANA PRATAP, PhD, FISEB, FIWR,FAEB, FISPP, Dean, Academic Affairs and Director, IQAC; Professor & Ex-Dean, School for Environmental Sciences, Babasaheb Bhimrao Ambedkar University, Vidya Vihar, Rae Barely Road, LUCKNOW 226025; Tel. 09889121823, 09935688836(M); Fax: 2440821-22; Email : dr.ranapratap59@gmail.com; cceseditor@gmail.com, pmbpeditor@gmail.com
- SINĞH, RANJEET, M.Sc., M.Phil., Ph.D., Former Joint Director, College Education, Rajasthan; Res. G-10, Tilak Path, Sindhu Nagar, Murlipura, JAIPUR 302039, Tel. 09414779558(M), Email: rsingh\_0923@yahoo.com
- SINGH, RAVI PRATAP, M.Sc., Ph.D., Professor of Genetics & Plant Breeding, and Director, Institute of Agricultural Sciences, Banaras Hindu University, VARANASI-221005, Tel. 0542-2316043(R), 09451526933(M), Email: shalubhalu@sifi.com
- SINGH, RAVINDRA NATH, M.Sc., D.Phil., Professor, Department of Chemistry, Faculty of Science, Banaras Hindu University, VARANASI 221005; Tel. 0542-6701596(O), 2317465(R), 09415812176(M); Fax: 2368127; Email: rnsbhu@rediffmail.com
- SINGH, S.P., M.Sc., F.Z.S.I., Ex Principal Scientist & Head, Riverine Division, Central Inland Capture Fisheries Research Institute (ICAR); Res. 64-B/6, New Alopibag, PRAYAGRAJ - 211006, Tel. 0532-2502917(R), 09335090129(M)
- SINGH, S.S., M.Sc., Ph.D., F.P.S.I., Formerly Professor & Head of Botany, Retd. Principal; Res.H.No.32/27, Narsingh Garh Purwa, CHHATARPUR 471001, Tel. 07682-241353
- SINGH, SANGEETA, PhD, Assistant Professor, Department of Applied Science, Indian Institute of Information Technology, Jhalwa, Deoghat, PRAYAGRAJ 211015, Tel. 0532-2922521(O), 2922699(R), 09458867034(M); Email: sangeeta@iiita.ac.in

SINGH, SANJAY, Ph.D., Professor, Department of Pharmaceutics, Indian Institute of Technology, Banaras Hindu University, VARANASI - 211005, Res. Plot No. 76, Lane No. 2, Saket Nagar Colony, Near Sankatmochan, VARANASI - 221005, Tel. 0542-6702712(O), 2315871(R), 09415290851(M); Email: drsanjaysingh@rediffmail.com; drssinghbhu@gmail.com, ssingh.phe@iitbhu.ac.in

- SINĞH, SANJEEV KUMAR, Professor, Room No.304, Department of Bioinformatics, 4th Floor, Science Block, Alagappa University, KARAIKUDI 630004, Tel. 04565-223342(O), 09894429800(M); Fax: 225202; Email: skysanjeev@gmail.com;
- SINGH, SANTOSH KUMAR, PhD, Senior Scientist, Centre of Experimental Medicine & Surgery, Institute of Medical Sciences, Banaras Hindu University, VARANASI 221005, Tel. 09415389046(M); Email: singhsk71@yahoo.com; santosh.singh01@bhu.ac.in
- SINGH, SARIKÁ, Ph.D., Professor (AcSIR) & Senior Principal Scientist, Division of Toxicology & Experimental Medicine, CSIR-Central Drug Research Institute, 10/1, Jankipuram Extension, Sitapur Road, LUCKNOW 226031, Res. H.No. 130, Sector 18, Indira Nagar, LUCKNOW 226016, Tel. 0522-2612411 PABX 4577/78(O), 09532662028(M); Fax: 2771941; Email: sarika\_singh@cdri.res.in, ssj3010@gmail.com
- SINGH, SATYENDRA, D.Phil., S.R.F., 105 Chak Dondi, Naini, PRAYAGRAJ SINGH, SAUMYENDRA VIKRAM, MDS, Professor & Incharge, Maxillofacial Prosthetic Unit, Department of Prosthodontics, Dental Faculty, KGMU, LUCKNOW 226003; Res. 2/273 Viram Khand, Gomtinagar, LUCKNOW- 226010, Tel. 0522-4063624(R), 09415470702(M); Email: saumyendravsingh@rediffmail.com
- SINGH, SHAILJA, PhD, Associate Professor, Special Center for Molecular Medicine, Jawaharlal Nehru University, NEW DELHI 110067, Tel. 011-26743038(O), 09868512025(M), Email: shailja.jnu@gmail.com
- SINGH, SHARDA NAND, M.Sc., Chemistry Section, Forensic Science Laboratory, Jawaharlal Nehru Road, PATNA 800 023, Tel. 281273(O)
- SINGH, SHIV PAL, M.Sc., Reader, Department of Zoology, D.B.S.P.G. College, DEHRA DUN 248001; Res. 9A, Sewak Ashram Road, DEHRA DUN 248001; Tel. 2742653(R)
- SINGH, SHIVA DHAR, M.Sc., D.Phil., Former Assistant Director General (Inland Fisheries) Indian Council of Agricultural Research (ICAR), New Delhi, Res. 5/85 Viram Khand, Gomti Nagar, LUCKNOW 226010, Tel. 0522 2727870(R), 08800341616(M) Email: shivasingh54@gmail.com, sdsingh54@rediffmail.com
- SINGH, SHIVESH PRATAP, MPhil, PhD, DSc, FZSI, FAEB, FSLSc.F.IASc,FZScal,F.IAES, Professor & Head, PG Dept. of Zoology, Govt. Autonomous College, SATNA; Res. 34, Prabhat Vihar, Panna Road, SATNA- 485001, Tel. 07672-226260, 401560(R), Email: drshiveshsingh2004 @yahoo.co.in
- SINGH, SHOBH NATH, M.Sc., Ph.D., D.Sc., Reader, Department of Mathematics, T.D.P.G. College (Purvanchal University), JAUNPUR, Res. 263, Line Bazar, JAUNPUR 222002, Tel. (05452) 261922(R), 9451159058(M)
- SINGH, SHYAM LAL, Ph.D., Emeritus Fellow, UGC, Res. 21, Govind Nagar, RISHIKESH 249 201; Tel. 0135-2431624, 09412025236(M); Email: vedzcmri@gmail.com; sh42@rediffmail.com

**SINGH, SUDHIR PRATAP,** PhD, FNAAS, Scientist D, Center for Innovative & Applied Bioprocessing (CIAB), NABI-CIAB Campus, Sector 81, SAS NAGAR, MOHALI, Punjab, Tel. 0172-5221415(O), 09041055662 (M); Email: pratapsudhir@gmail.com

- SINGH, SUMAN, PhD, Principal Scientist & Head, MSSA, Room No. 211, 2nd Floor, Technology Block, CSIR-CSIO, Sector 30-C, CHANDIGARH 160030, Tel. 0172-2672231(O), 09216903510(M); Email: ssingh@csio.res.in
- SINGH, SUNIL KUMAR, M.Sc., Ph.D., University Professor, Department of Physics, D.B. College, JAYANAGAR, BIHAR - 847226
- SINGH, SURESH KUMAR, M.A., Ph.D., Former Director General, Anthropological Survey of India, A-40/3, S.F.S. Flats, Saket, NEW DELHI 110017
- SINGH, SURYA NARAIN, M.Sc., Ph.D., Professor & Head, Deptt. of Mathematics & Statistics, Avadh University, FAIZABAD
- SINGH, SURYA PAL, M.Sc., D.Phil., Professor of Chemistry, Magadh University, 70, Ashok Nagar, GAYA 823001
- **SINGH, U.P.,** Ph.D., Department of Mathematics, University of Gorakhpur, GORAKHPUR.
- **SINGH, U.S.,** M.Sc., Sahitya Visharad, P.A.S., D.Phil., Joint Director (Farms), N.D. University of Agriculture & Technology, Kumarganj, FAIZABAD
- SINGH, UDAI BHAN, PhD, Senior Scientist (Plant Pathology), ICAR-National Bureau of Agriculturally Important Microorganisms, Kushmaur, MAUNATH BHANJAN 275103, UP, Tel. 0547-2530080 Ext. 205(O), 09450347358, 09559931327(M), Email: udaiars.nbaim@gmail.com; nbaimudai@gmail.com
- SINGH, UDAI BIR, Ph.D., D.Sc., Vice-Chancellor, C.S.A. University of Agriculture & Technology, KANPUR
- SINGH, V., M.Sc., Ph.D., F.B.S., F.L.S., Emeritus Professor, Botany Department, C.C.S. University, MEERUT 250004 Tel. (0121) 24005808, 09897084517; Email: viren33@yahoo.com
- SINGH, VIJAI PRATAP, M.Sc., Ph.D., FISGPB, Former Professor & HOD, Genetics & Plant Breeding, Institute of Agricultural Sciences, BHU, Res. N8/236R-28A-1, Ganesh Dham Colony, Newada, Sunderpur, VARANASI 221005, Tel. 0542-2322356(R), 09451570677(M), Email: vpsingh44@yahoo.com; vpsingh@bhu.ac.in
- SINGH, VIJAY, Department of Mathematics, M S College, BIKANER
- SINGH, VINOD KUMAR, M.Sc., Ph.D., FAPS, FISPP, ICAR-Emeritus Scientist, Plant Physiology, ICAR-Central Institute for Subtropical Horticulture, Rehmankhera, P.O. Kakori, LUCKNOW 227107, Tel. 09450661668(M), Email: singhvk\_cish@rediffmail.com
- SINGH, VIRENDRA BAHADUR, M.Sc., Ph.D., Reader, Biochem. Lab., Zoology Department, T.D. College, JAUNPUR 222002
- SINGH, VIVEK, PhD, Senior Scientist, LV Prasad Eye Institute, Road No. 02, KAR Campus, Banjara Hills, HYDERABAD 500034, Tel. 040-68102286, 2283(O), 09052204108(M); Email: singhvivekbhu@gmail.com; viveksingh@lvpei.org
- SINGH, Y.P., M.Sc., Ph.D., Assoc.Professor of Mathematics, Department of Mathematics, Saint Mary's University, Halifax, Nava Scotia, B3H 3C3 CANADA

SINGHAL, NITIN KUMAR, PhD, Scientist E, National Agri-Food Biotechnology Institute, Sector 81, Knowledge City, MOHALI - 140306, Tel. 0172-5221243(O), 08566005006(M), Email: nitin@nabi.res.in

- SINHA, ANANT KUMAR, M.Sc., Ph.D., Professor, Department of Zoology, Cooperative College, JAMSHEDPUR 831001
- SINHA, ANIL KUMAR, M.Sc., Ph.D., LL.B., Ex-Director I/C (F.S.L.), Res. Flat No. A-2, Anil Villa Apartment, Nageshwar Colony, Boring Road, PATNA-800001, Tel. 0612-2523224, 09431003103(M); Email: drak.sinha15@gmail.com
- SINHA, ANSHU KUMAR, M.Tech.(Moscow), Ph.D.(Moscow), D.Sc. (Moscow), F.G.S. (London), Formerly Director, Birbal Sahni Institute of Palaeobotany, Lucknow; Vigyan Vihar, Apartment B-602, GH19, Sector 56, GURGAON, Tel. 09891383991(M);Email: anshuksinha@gmail.com
- SINHA, ASHOK KUMAR, M.Sc., Ph.D., Dy Manager (Quality Assurance), Nath Seeds Ltd., Nath House, Nath Road, AURANGABAD - 431005
- SINHA, DEVI PRASAD, M.Sc., PhD(Glasgow), FAZ, FHS, FZSI, FZS(Cal.), Formerly Professor of Zoology, Magadh University, Bodh Gaya, Res. A-62, Krishna Apartment, Boring Road, PATNA 800013; Tel. 0612-2578143, 09470017769(M)
- SINHA, K.P., B.Sc.(Pat.), M.B.B.S., M.D., WHO-Fellow, Professor & Head, Jhowa-kothi, P.O. Bhagalpur, Distt. BHAGALPUR 812001
- SINHA, KAUSHAL KISHORE, Ph.D., F.B.S., F.P.S.I., F.I.S.S.T., Professor, University Dept. of Botany, T.M. Bhagalpur University, BHAGALPUR-812007; Res. G-2, H.N. Tower, S.K. Tarafdar Road, Adampur, BHAGALPUR 812001; Tel. 0641-2500063(O), 09431037141(M); Email: sinhakaushal@rediffmail.com
- SINHA, KRISHNENDU, Ph.D., Professor, Department of Aerospace Engineering, Indian Institute of Technology Bombay, Powai, MUMBAI 400076, Res. B-199, Ananta Building, 2<sup>nd</sup> Floor, Hillside, IIT Bombay Campus, Powai, MUMBAI 400076, Tel. 022-25767135(O), 25768135(R); Fax: 25722602; Email: krish@aero.iitb.ac.in
- SINHA, NEERAJ, Ph.D., D.Sc., Dip. In S&T, FST, FABP, Former Chief Scientist & Head, Division of Toxicology and Experimental Medicine, CSIR-CDRI, LUCKNOW; Res. Flat # 307, Rohit Tower, Sector 2, Vikas Nagar, LUCKNOW 226022, Tel. 0522-4315320(R), 09335904455(M); Email: neerajsinha\_007@yahoo.com
- SINHA, P.K., Jr. Girls College, PATNA
- SINHA, P.K., M.Sc., D.Phil., Formerly Professor of Zoology, Bhagalpur University, Katahalbari, Khanjarpur, R.B. Sukhraj Rai Road, BHAGALPUR 812001, Tel. 0641-421722(O), 400715(R)
- SINHA, P.K., M.Sc., Dr.-rer-Nat, Formerly University Professor & Chairman, Dept. of Plant Breeding & Genetics, B.A. University; 'Nandrani Bhawan', Radium Road, RANCHI 834001, Tel. 0651-205647
- SINHA, PRASANT KUMAR, M.Sc.Ag.Ent., Formerly Senior Scientist (ENT), C/o Mr. A. Anand, C-4 (G.F.), Eldeco Residency Green, Pi-Sector (Near Golf Course), GREATER NOIDA 201308
- SINHA, R.R., M.Sc., Sri Sati Raman Pd. Lane, Behind Thakur Nursing Home, Naya Tola, MUZAFFARPUR 842 001
- SINHA, RAJIV KUMAR, M.Sc., Ph.D., Asstt. Professor, Indira Gandhi Centre of HEEPS, University of Rajasthan, JAIPUR 302004

SINHA, RAVINDRA KUMAR, Ph.D., FLS (London), FAZ, FZSI, FAEB, FNIE, FIFSI,, Padma Shri, Former Vice Chancellor, Shri Mata Vaishno Devi University, KATRA, J&K; Res. 3B, Durga Gardens Apartment, TN Banerjee Road, PATNA - 800001; Tel. 09431073446(R); Email: rksinha.pu@gmail.com

- SINHA, REWATI RAMAN PRASAD, M.Sc., Ph.D., B.L., Formerly Professor & Head, P.G. Department of Botany, S.P. Jain College, Nili Kothi, Tomb Road, SASARAM 821115; Tel. 222178(O), 221540(R)
- SINHA, SATISHWAR PRASAD, Lecturer, Physics Department, College Road, GIRIDIH - 815301
- SINHA, SUKESH NARAYAN, Ph.D., FAMS, FRSC (London), Scientist G & HOD, Food Safety Division, Gopalan Block, National Institute of Nutrition, Jama-Osmania, Tarnaka, HYDERABAD 500007, Res. Flat No.410, Lotus Block, Concret Plazoo, Nacharam, HYDERABAD 500076, Tel. 040-27197405(O), 07032426802(M); Email: sukeshnr.sinha@yahoo.com
- SINHA, SUNIL KUMAR, M.Sc., Ph.D., D.Sc., Professor & Head, Post Graduate Department of Mathematics, Kolhan University, Chaibasa, WEST SINGHBHUM, JHARKHAND 833202, Tel. 09934119733, 08002861536(M)
- SINHA, U.S., M.B.B.S., M.D., LL.B., Ph.D. (MEDICINE), FIMSA, FICFMT, Principal & Dean, M.L.N. Medical College, PRAYAGRAJ 211002, Tel. 0532-2600507(O), 2604101(R), Fax: 2600507, 2604101
- SIRCAR, RANESH, M.Sc., D.Phil., Formerly Professor, Department of Mathematics, Regional Engineering College, DURGAPUR 713209; Res. D-37, Grissom Street, Bidhan Nagar, DURGAPUR 713212, Tel. 0343-2535548, Email: ranesh sircar@sancharnet.in
- SISODIA, ARVIND KUMAR, D.Phil., Pool Officer, 584 Mumfordganj, PRAYAGRAJ
- SITAL, J.S., M.Sc., Ph.D., Professor, Department of Biochemistry, Punjab Agricultural University, LUDHIANA 141004; Tel. 0161-2401960 Ext. 322(O), 2406358(R), 09815902567(M)
- SIVADAS, PONATHIL, M.Sc., Ph.D., D.Sc., Sr.Dy.Director & Scientist-F, National Inst. of Oceanography, P.B.No. 1913, COCHIN 682018
- SIVALINGAM, PALAIYUR NANJAPPAN, Ph.D., Principal Scientist (Agricultural Biotechnology), ICAR-National Institute of Biotic Stress Management, Baronda, RAIPUR 493225; Tel. 0771-2225333, 09950459671(M); Email: pnsivalingam@gmail.com
- SOMARAJAN, C., B.A., M B M School of Management Studies, University of Cochin, COCHIN 682022
- SOMAYAJULU, Y.K., M.Sc., Ph.D., Scientist, Physical Oceanography Division, National Instt.of Oceanography, Dona-Paula, GOA 403 004, Tel. 0832-2456700 Extn. 4222(O), 2452530(R); Fax: 2456702, 2456703; Email: yksoma@csnio.ren.nic.in, yksoma@darya.nio.org
- SOMVANSHI, RAMESH, Ph.D., FRCVS(Sweden), Dip.ICVP, Principal Scientist, Ex Head, Division of Pathology and Ex Acting Joint Director, CADRAD, Indian Veterinary Research Institute, IZATNAGAR 243122; Res. A-336, Rajendra Nagar, BAREILLY; Tel. 0581-2301579(O), 2585413(R), 09837658052(M); Fax: 2303284; Email: dr.rsomvanshi@gmail.com

SONAWANE, KAILAS DASHRATH, Professor, Department of Biochemistry, Shivaji University, Vidyanagar, KOLHAPUR - 416004, Tel. 0231-2609326(O), 09881320719(M); Fax : 2691533; Email : kds\_biochem@unishivaji.ac.in; kdsonawane99@gmail.com;

- SONAWANE, SHIRISH HARI, PhD, Professor, Chemical Engineering Department, National Institute of Technology, WARANGAL 506004, TS, Tel. 0870-2462625(O), 09890511339, 08332969397(M); Email: shirish@nitw.ac.in, shirishsonawane09@gmail.com
- SOOD, ANIL, Ph.D., Former Scientist G and Acting Director; Head, Division of Biotechnology, Institute of Himalayan Bioresource Technology, P.O. Box 6, PALAMPUR- 176061, Res. Divine Abode, Vpo-Band Bhadhiarkhar (Sungal), PALAMPUR-176061, Tel. 01894-292529(R), 09418042984, 07018391919(M); Email: asood.ihbt@gmail.com
- **SOUNDARARAJAN, T.,** M.Sc., Ph.D., Coordinator & Sr. Professor, School of Mathematics, Madurai Kamraj University, MADURAI 625021
- SREENIVASAN, T.V., M.Sc., Ph.D., Formerly Director, Sugarcane Breeding Institute; 11, Bhuvaneswari Nagar, Dr. Ambedkar Road, Coimbatore-641025; Tel. 0422-2432517, 09442532517 (M); Email: sreenivasantv@yahoo.co.in
- **SREERAMULU, T.,** M.Sc., Ph.D., D.I.C., Reader in Botany, Andhra University, WALTAIR
- SREEVATHSA, ROHINI, Ph.D., Principal Scientist, ICAR-National Institute for Plant Biotechnology, LBS Centre, Pusa Campus, NEW DELHI 110012, Res. #37, Type IIB, IARI, Pusa, NEW DELHI 110012, Tel. 011-25842789 Ext.240(O), 09990964333(M); Email : rohinisreevathsa@gmail.com, rohini.sreevathsa@icar.gov.in
- SRIDHARAN, M.R., Ph.D., Professor of Mathematics, Indian Institute of Technology, KANPUR - 208016
- SRINIVAS, DARBHA, M.Sc., Ph.D., FMAS, FAPASc, FTSASc, Former CSIR-Bhatnagar Fellow & Chief Scientist, CSIR-NCL, Pune, Res. H.No. 1-4-369, Plot No. 181, Bhagawati Enclave, Satyanagar Colony, Kothapet, HYDERABAD 500035; Tel. 09922446157(M); Email: dsrinivas58@gmail.com
- SRINIVAS, M., M.B.B.S., M.S., M.Ch., Assistant Professor, Dept. of Pediatric Surgery, 4002 PC Block, All India Institute of Medical Sciences, NEW DELHI 110029; Tel. 011-26593309(O), 26253545(R); Fax: 26253545; Email:srinivasem@yahoo.com
- SRINIVASAN, V.V., M.Sc., Ph.D., Director, Instt. of Wood Science & Technology, Ministry of Environment & Forests, Forest Research Laboratory Campus, P.O. Malleswaram, BANGALORE 560003
- **SRIVASTAVA, A.K.,** Ph.D., Lecturer, Department of Chemistry, Meerut College, MEERUT
- SRIVASTAVA, A.R.N., M.A., Ph.D., Former Professor & Head of the Dept. of Social Anthropology, 115 G Malviya Road, Opp. Rama Hospital, George Town, PRAYAGRAJ 211002, Tel. 0532-2468464(R), 9450507805(M)
- SRIVASTAVA, ALKA, Ph.D., FBS, FISGPB, FLS, Professor, In Vitro Culture and Plant Genetics Unit, Department of Botany, University of Lucknow, LUCKNOW 226007, Res. 3/76, Vishwas Khand, Gomti Nagar, LUCKNOW 226010, Tel. 0522-2308878(R), 09839080412(M); Email: alkasrivastava@hotmail.com

SRIVASTAVA, ANAND KUMAR, M.Sc., Ph.D., Professor Emeritus, Department of Botany, CCS University, MEERUT - 250005, Tel. 09412629500(M); Email: anand kumarsrivastava@hotmail.com

- SRIVASTAVA, ANAND NARAIN, MBBS, DCP, MD, FICP, DCP, Director Research & Ex. Principal Dean & CMS, Era's Lucknow Medical College & Hospital, Era University, LUCKNOW; Res. C-367, B-1, Mahanagar, LUCKNOW-226006;Tel: 0522-2408122-23(O),2385267(R),09415409779 (M); Email: roshri@satyam.net.in; ans4csmmu@gmail.com
- SRIVASTAVA, ANIL KUMAR, M.Sc., Ph.D., Lecturer, 4, Raipur Road, DEHRADUN
- SRIVASTAVA, ANIL KUMAR, M.Sc., Ph.D., Reader, Zoology Department, D.V. (P.G.) College, ORAI - 285001
- SRIVASTAVA, ANIL KUMAR, M.V.Sc., Ph.D., Director & Vice-Chancellor, National Dairy Research Institute (Deemed University), (ICAR), KARNAL- 132001, Tel. 0184-2252800, 2259002, 2259004(O), 2271612, 2259406(R), Fax: 2250042, Email: dir@ndri.res.in, dir.ndri@gmail.com
- SRIVASTAVA, ARCHANA, M.Sc., Ph.D., Engelhart Apt 320, 1915, Maple Avenue, Evanston IL 60201, USA; Email: archana\_srivastava@indiatimes.com
- SRIVASTAVA, ARUN KUMAR, M.Sc., D.Phil., Professor & Head, Chemistry Deptt., University of Allahabad, PRAYAGRAJ, Tel. (0532) 2461236(O), 09415307747(M); Email: draksrivastava1@rediffmail.com
- SRIVASTAVA, ARUN KUMAR, M.Sc., Ph.D., Reader, Department of Zoology, S.M.M. Town P.G. College, BALLIA 277001
- SRIVASTAVA, ARUNA, M.Sc., Ph.D., Deputy Director, Malaria Research Centre, 20 Madhuban, Vikas Marg, DELHI 110 092, Tel. 011-22547983, Email: arunas@ndf.vsnl.net.in
- SRIVASTAVA, ASHISH KUMAR, M.Sc., Ph.D., Asstt. Professor, Institute of Environment & Sustainable Development, Banaras Hindu University, VARANASI 221005, Res. J-3/1, Judges Compound, Near Pannalal Park, VARANASI 221002, Tel. 0542-6701662(O), 2283355(R), 09415042241(M); Fax: 2369359; Email: ashish.mzu@gmail.com; aks.iesd@bhu.ac.in
- SRIVASTAVA, ASHWINI KUMAR, M.Sc., Ph.D., F.Pb.S., F.P.S., Former Professor & Head, Department of Biotechnology, Bioinformatics and Microbiology, Integral University, LUCKNOW; Res. 5/595, Vikas Nagar, LUCKNOW 226022; Tel. 0522-2738305(R), 09415583997(M); Email: srivastava019@gmail.com; ashwini\_bsip@yahoo.com
- SRIVASTAVA, G.P., Professor, Deptt. of Electronic Science, University of Delhi, South Campus, NEW DELHI 110021
- SRIVASTAVA, G.S., Ph.D., Former Professor, Department of Mathematics, IIT Roorkee, ROORKEE; Res. Flat Topaz 901, Arihant Ambience, Crossing Republic, GHAZIABAD 201016; Tel. 0120-4775116(O), 09910125588(M); Email: gs91490@gmail.com
- SRIVASTAVA, GURU PRASAD, MSc, DPhil, DSc, FISAC, FISAB, Formerly Director Research & Currently Hony General Secretary, ISAB, Dept. of Agricultural Biochemistry, C.S. Azad University of Agriculture & Technology, KANPUR 208002, Tel. 0512-2541673(R), 09839251482 (M); Fax: 2533808; Email: gpscsau08@gmail.com
- SRIVASTAVA, H.P., M.Sc., Lecturer, Botany Department, University of Jodhpur, JODHPUR

SRIVASTAVA, HARI BAHADUR, M.Sc., Ph.D., Professor, Department of Geology, Banaras Hindu University, VARANASI - 221005; Res. New L-23, Hyderabad Colony, Banaras Hindu University, VARANASI - 221005; Tel. 0542-2307311 Ext. 30(O), 2575311(R); Email: harivandana@sify.com

- SRIVASTAVA, HARI MOHAN, M.Sc., Ph.D., P.Doctorate, Professor of Plant Breeding & Project Officer, N.A.R.P., Gujarat Agricultural University, ANAND (GUJARAT) - 388110
- SRIVASTAVÀ, HARISH CHANDRA, M.Sc., D.Phil., Reader, Zoology Department, D.V. (P.G.) College, Orai, Distt. JALAUN 285001
- SRIVASTAVA, J.P., M.Sc., D.Phil., 15 C, Bank Road, PRAYAGRAJ 211002
- SRIVASTAVA, KANHAIYA LAL, M.Sc., D.Phil., Senior Scientist, IARI, Pocket-A, House No. 39A, Ashok Vihar, Phase II, NEW DELHI 110052
- SRIVASTAVA, KRISHNA PRASAD, M.Sc., Ph.D., FPPAI, FESI, FIPS, FISG&PB, FPPS, Formerly Principal Scientist, D-62, Durga Market, IInd Floor, Naharpur, Sector 7, Rohini, DELHI 110085, Tel. 011-27056771(R), Email: kpsrivastava@hotmail.com
- SRIVASTAVA, KUMKUM, M.Sc., Ph.D., D.Sc., FISAC, Formerly Reader, Chemistry Dept., Christ Church PG College; Res. Flat No. 3, Kanak Apartment, 10/499 C, Khalasi Line, Allenganj, KANPUR 208001; Tel. 09838471482(M); Email: gpscsau@gmail.com
- SRIVASTAVA, MAHESH PRASAD, Ph.D., Professor, Dept. of Physics & Astrophysics, University of Delhi, DELHI 110007, Tel. 011-27667725, 1364(O), 27667815(R), 09313740621(M); Fax: 27667061, Email: mps02@rediffmail.com; mps@physics.du.ac.in,pmps2010@gmail.com
- **SRIVASTAVA, MAN HARAN NATH,** D.Phil., Chemistry Department, Allahabad University, PRAYAGRAJ
- SRIVASTAVA, MAN MOHAN, M.Sc., M.Phil., Ph.D., FRSC, Professor, Department of Chemistry, Dayalbagh Educational Institute, AGRA 282010, Res. 3/165, Premnagar, Dayalbagh, AGRA 282005, Tel. 09917590198(M), Email: dei.smohanm@gmail.com
- SRIVASTAVA, N.K., Ph.D., Scientist E-II, Central Institute of Medicinal & Aromatic Plants, Kukrail Picnic Spot Road, P.O. CIMAP, LUCKNOW 226015; Tel. 0522-2342676, 2359624(O), 2375412(R); Fax: 2342666, 2357136; Email:nk.srivastava@cimap.res.in, neelsrivastava2003@yahoo.co.uk
- SRIVASTAVA, NAMITA, M.Sc., Ph.D., Sr. Lecturer, Department of Mathematics, Maulana Azad College of Technology, BHOPAL 462007
- SRIVASTAVA, O.K., Ph.D., Scientist-E-I, Discipline of Tech. Services, Central Salt & Marine Chemical Research Institute, Gijubhai Badheka Marg, BHAVNAGAR- 364 002
- SRIVASTAVA, ONKAR NATH, A/13, Sarovar Enclave, Near Rajasthan Vidyapith, Kanke Road, RANCHI 834008
- SRIVASTAVA, P.N., Ph.D., Former Head/Director, Bundelkhand University; Res. 132, Kailash Residency, Mahakali Road (Near Talpura), JHANSI 284001, Tel. 0510-2355205(R), 09415030074(M), Email : pn\_shrivastava@yahoo.com
- SRIVASTAVA, PANKAJ, M.Sc., Ph.D., Assoc. Professor, Dept. of Mathematics, M.N. National Institute of Technology, PRAYAGRAJ 211004; Tel. 0532-2271929, 2271259(O), 09415616045(M); Email: drpankaj@kssrde.com, pankajmnnitmath@yahoo.co.in, drpankaj23@gmail.com, pankajs23@rediffmail.com

SRIVASTAVA, PARMESHWARY DAYAL, Ph.D., Professor, Department of Mathematics, IIT Kharagpur, KHARAGPUR-721302, Res. A-66, IIT Campus, IIT Kharagpur, KHARAGPUR – 721302, Tel. 03222-283678(O), 277846(R), 09434719549(M); Fax : 255303; Email : pds@maths.iitkgp.ernet.in

- SRIVASTAVA, PRADEEP CHANDRA, M.Sc., D.Phil., Research Associate, Botany Department, Allahabad University, PRAYAGRAJ 211002
- SRIVASTAVA, PRADEEP, Ph.D., Associate Professor, School of Biochemical Engg., Institute of Technology, Banaras Hindu University, VARANASI 221005; Res. C33/265-4, Chandua Chittoopur, VARANASI– 221001; Tel. 0542-6701495, 2368948(O), 2223494(R), 09415302088(M); Fax: 2368948; Email: drpradeep19@gmail.com
- SRIVASTAVA, PRAKASH CHANDRA, Ph.D., Professor of Physics, Banaras Hindu University, VARANASI 221005, Res. C-20, Bhuneshwar Colony, VARANASI-221002; Tel. 0542-2500792(R), 09839234757(M); Fax: 2368174; Email: pcs@banaras.ernet.in; pcsrivastava50@gmail.com; srivastavapc@rediffmail.com
- SRIVASTAVA, PRASHANT KUMAR, Assistant Professor, Room No. 311, Blcok 4, Department of Mathematics, Indian Institute of Technology Patna, Bihta, PATNA 801106, Tel. 0612-3028033(O), 3028526(R), 09431688567, 08002291504(M); Email: pksri@iitp.ac.in; prashant.iitp.@gmail.com;
- SRIVAŠTAVA, PRASHANT, MSc, PhD, Assistant Professor, NIIT University, NH-8, Delhi Jaipur Highway, Neemrana, Dist. ALWAR, RAJASTHAN 301705, Tel. 09792635393(M); Email : prashant.jk087@gmail.com
- SRIVASTAVA, PREM PRAKASH, M.Sc., Ph.D., FASET, DCP, Registrar, Dr. Rajendra Prasad Central Agricultural University, Pusa, SAMASTIPUR 848125, BIHAR; Res. 219, Himmat Ganj, PRAYAGRAJ- 211016 Tel. 09920433002(M); Email : ppsicar@gmail.com, ppsrivastava63@rediffmail.com
- SRIVASTAVA, PREM SAGAR, B.V.Sc. & A.H., M.V.Sc., Ph.D., Head, Department of Parasitology, Bihar Vet College, Rajendra Agrl. University, PATNA - 800014
- SRIVASTAVA, R.C., M.Sc., Ph.D., FIC, FIWWA, MIPHA, Retired Professor & Head, Department of Environmental Sanitation & Sanitary Engineering, All India Institute of Hygiene & Public Health, KOLKATA; Res. Flat 7A, Block–22, , Green Field City, Jote Shibrampur, KOLKATA 700141; Tel. 033-23953031(R), 09433842101,09903472117(M); Email: rcsrivastava5@rediffmail.com

SRIVASTAVA, R.P., Teacher Fellow, Department of Physics, R S University, RAIPUR (MP)

- SRIVASTAVA, R.S.L., M.Sc., D.Phil., Reader, Department of Botany, Christ Church College, KANPUR 208001
- SRIVASTAVA, RAM JEE, M.Sc., Ph.D., Joint Director, Ministry of Environment & Forests, Govt. of India, Central Region, Kendriya Bhawan, 5th Floor, Sector - H, Aliganj, LUCKNOW - 226020; Tel. 0522-2323850(O), 09839210303(M); Email: srivastava\_ramjee@rediffmail. com
- SRIVASTAVA, RAM SWOROOP LAL, M.Sc., D.Phil., Ex Reader & Head, Mathematics Dept., G.S.P.G. College, SULTANPUR, Principal, Goel Institute of Higher Studies Mahavidyalaya, LUCKNOW; Res. 19 Jaivihar, Near Manas Vihar (Tulsi car care), Sec. 14, Indira Nagar, LUCKNOW-226016; Tel. 09415457674(M); Email: rslsrivastava@gmail.com
- SRIVASTAVA, RAMESH CHANDRA, M.Sc., Ph.D., FBS, FIAAT, FPSI, FAPT, FLS, FES, Joint Director, Botanical Survey of India, HQ, KOLKATA; Res. 48A/14A, Master Zahurul Hasan Road, New Katra, PRAYAGRAJ 211002, Tel. 0532-2644177(R), 08081268493(M); Email: rcs\_bsi@yahoo.co.in
- SRIVASTAVA, RAMESH CHANDRA, M.Sc., Ph.D., Professor of Botany, Dept. of Life Sciences, Tripura University, Suryamaninagar Campus, WEST TRIPURA - 799130
- SRIVASTAVA, RAMJI, M.Sc., D.Phil., Formerly Professor and Head, PG Department of Physics, S.P.University, Vallabhvidyanagar, Res. A-15, Neelkanth Banglows, Near Yamuna Park, Panchayat Hospital Road, VALLABH VIDHYANAGAR 388120; Tel. 09726859026(M); Email: rjsrivastav@yahoo.com
- SRIVASTAVA, RANJIT BAHADUR, M.Sc., Ph.D., Professor & Head, P.G. Department of Botany, M.S. College, Motihari, CHAMPARAN EAST, BIHAR
- SRIVASTAVA, S.C., D.Phil., Formerly Professor of Physics, UA; Res. H.N. 14, Type-4-A, Rail Vihar LDA, Sector - L, Near Khazana Complex, Ashina, Kanpur Road, LUCKNOW - 226012
- SRIVASTAVA, S.C., M.Sc., Ph.D., Reader in Zoology, University of Lucknow, LUCKNOW
- SRIVASTAVA, S.N., M.Sc., D.Phil., Department of Zoology, L.S.College, MUZAFFARPUR
- SRIVASTAVA, S.P., D.Phil., Professor of Chemistry, University of Roorkee, ROORKEE
- SRIVASTAVA, SANGEETA, Ph.D., FBS, FNABS, FUPAAS, FISGPB, FSSRP, FSAB, Principal Scientist, Division of Crop Improvement, ICAR-Indian Institute of Sugarcane Research, PO Dilkusha, Raibareli Road, LUCKNOW 226002, Res. D-103, Halwasiya Utsav Enclave, Faizabad Road, Opp. HAL, LUCKNOW 226016, Tel. 0522-2480735-37 Ext.838(O), 23292277(R), 09415001735(M); Fax: 2480738; Email: sangeeta.iisr@gmail.com; sangeeta.srivastava@icar.gov.in, sangeeta\_iisr@yahoo.co.in
- SRIVASTAVA, SANJEEV KUMAR, PhD, Associate Professor, Department of Physics, Indian Institute of Technology Kharagpur, KHARAGPUR 721302, Tel. 03222-283854(O), 283855(R), 09735444091(M); Fax : 255303; Email: sanjeev@phy.iitkgp.ac.in

SRIVASTAVA, SANTOSH K., M.Sc., D.Phil., Professor, Department of Chemistry, Synthetic Chemistry and Natural Products Laboratory, Dr. H. S. Gour University (A Central University), SAGAR - 470003, Res. Flat No.C-73, University Campus, SAGAR - 470003, Tel. 07582-264259, Email: professorsks@ rediffmail.com

- **SRIVASTAVA, SARLA,** M.Sc., Ph.D., Professor, Department of Zoology, Lucknow University, LUCKNOW
- SRIVASTAVA, SATISH KUMAR, M.Sc., Ph.D., Senior Scientist, Directorate of Coldwater Fisheries Research, BHIMTAL 263136, Tel. 05942-247280, 247279(O), 09453950801(M), Fax : 247693, Email : satishsrivastava@mail.com
- SRIVASTAVA, SAVITRI D., M.Sc., D.Phil., Professor, Department of Chemistry, Synthetic Chemistry and Natural Products Laboratory, Dr. H.S. Gour University (A Central University), SAGAR - 470003, Res. Flat No. C-73, University Campus, SAGAR - 470003, Tel. 07582-264259(R), Email: drsavitri@rediffmail.com
- SRIVASTAVA, SHALINI, Ph.D., Associate Professor, Department of Chemistry, Dayalbagh Educational Instt., Dayalbagh, AGRA; Res. 3/165 Premnagar, Dayalbagh, AGRA; Tel. 08859159055(M); Email : dei.shalinisrivastava@gmail.com
- SRIVASTAVA, SHARAD KUMAR, Ph.D., Senior Principal Scientist, Pharmacognosy Division, CSIR-National Botanical Research Institute, Rana Pratap Marg, LUCKNOW 226001, Res. 403, Raj Apartment, 7, Jopling Road, LUCKNOW, Tel. 0522-2297818(O), 09415082210(M), Email: sharad\_ks2003@yahoo.com
- SRIVASTAVA, SHARDA PRASAD, M.Sc., D.Phil., Ex Scientific Officer(Soil), Sugarcane Research Station, MUZAFFARNAGAR, Res. 7/3/31A, Beli Avenue, Anupurna Vihar, 3-D, Beli Road, PRAYAGRAJ 211002
- SRIVASTAVA, SHIVAJI, M.Sc., Ph.D., FAEB, Reader, Department of Zoology, S.M.M. Town P.G. College, BALLIA 277001, Tel. 05498-220497(O), 221464(R), Fax : 220349; Email : shivajee1948@ yahoo.co.in
- SRIVASTAVA, SHUBHA, D.Phil., Professor & Head, Department of Zoology, KNPG College, Gyanpur, BHADOHI, Res. 4-D, Nawab Yusuf Road, Opp. DRM Office, PRAYAGRAJ 211001, Tel. 09889005001, 07007099075(M); Email: shubhasri20032003@yahoo.com
- SRIVASTAVA, SHYAM CHANDRA, M.Sc., Ph.D., F.B.S., Hony. Affl. Member (Paleobot), Bot.Soc., USA, Ex. Scientist, B.S.I.P., Lko., Director, Birbal Savitri Sahni Momorial Museum, 686, Birbal Sahni Marg, LUCKNOW 226007, Tel. 0522-2733421(R), 09415463510 (M); Email: sparshshyam@gmail.com
- SRIVASTAVA, SUBODH KUMAR, M.Sc., M.Phil., Ph.D., Associate Professor (Physics), SBS Govt. PG College Rudrapur, Distt. U.S. NAGAR 263153, UK; Tel. 09412996472(M)
- SRIVASTAVA, SUDHIR, MBBS, MD, Dy. Director & Head, Division of Toxicology, CDRI, P.O. Box 173, Chhatar Manzil, Lucknow - 226001; Res. C-898/A, Mahanagar, Behind OBC, LUCKNOW - 226006, Tel. 0522-212411 to 418 Ext.4259(O), 379831(R); Fax: 223405; Email: sudhir\_srivastava@yahoo.co.uk
- SRIVASTAVA, V.C., M.Sc., D.Phil., F.Z.S.I., Formerly Reader & Head of Zoology, CMP Degree College; Res. 71 G/6A Kamla Nagar, Stanley Road, PRAYAGRAJ 211002; Tel. 0532-2644835(R), 09336276642(M)

SRIVASTAVA, VIMAL CHANDRA, Ph.D., Dean, International Relations & GB Pant Institute Chair Professor, Department of Chemical Engg., Indian Institute of Technology Roorkee, ROORKEE - 247667, Res. C-503, Canal View Apartment, IIT Roorkee, ROORKEE - 247667, Tel. 01332-285889(O), 286889(R), 09410372170(M); Email: vimalcsr@yahoo.co.in; vimal.srivastava@ch.iitr.ac.in;

- SRIVASTAVA, VINOD KUMAR, M.Sc., D.Phil., FZS, FAZ, FESI, FAEB, FSACO, Former Head, Department of Zoology, C.M.P. College, PRAYAGRAJ 211 002, Res. 318, Alopi Bagh, PRAYAGRAJ 211006; Tel. 07985916384(R); Email: vksodon@gmail.com
- SRIVASTAVA, VINOD KUMAR, M.Sc., Ph.D., F.A.E.B., Formerly Associate Professor & Head of Zoology, IGGC, Tezu, AP; Res. C-121, Vikas Nagar, Near Springer School, Vikas Nagar, GORAKHPUR 273007; Tel. 09436229447, 08413836498(M); Email : srivks1@rediffmail.com, srivks1@gmail.com
- SRIVASTAVA, VIRENDRA KUMAR, M.Sc., Ph.D.(GPU), Ph.D.(Adelaide), Emeritus Professor & Formerly Professor, Chemistry Department, Gorakhpur University, GORAKHPUR 273 009
- SRIWASTAWA, VISHNU MOHAN SAHAI, M.Sc., Ph.D., Formerly Principal, Sri Ghanshyam Dubey Degree College, BHADOHI, Res. Kumar Clinic, Gyanpur, Dist. BHADOHI 221304, Tel. 09415444113(M)
- STALIN, C.S., Ph.D., Associate Professor, Indian Institute of Astrophysics, Block II, Koramangala, BANGALORE 560034, Res. S/o C Subramonian, Vadakanpagam, Manavalakurichy, KANYAKUMARI; Tel. 080-22541264(O), 09902538970(M); Email: stalin@iiap.res.in
- STOBDAN, TSERING, Scientist E, Defence Institute of High Altitude Research (DRDO), LEH-LADAKH-194101, J&K, Tel. 01982-252096(O), 09419176057(M); Fax: 252096; Email: ts\_mbb@yahoo.com;
- SUBBARAO, VENKATA MADIREDDI, MSc, PhD, DSc, FZSI, FAEB, FAZ, FNESA, FEnRA, FSESc, FZS(London), Senior Professor, Research Director & Principal Investigator, Department of Environmental Sciences, Andhra University (Retired), 50-120-8/1, Seetammadhara North Extension, VISAKHAPATNAM 530013, Tel. 0891-2740293(O), 2784100(R), 09490265345(M), Fax: 2560479, Email: mvsubbarao\_enra@yahoo.co.in
- **SUHAIL, M.,** Department of Biochemistry, Allahabad University, PRAYAGRAJ
- SUKHANI, T.R., Scientist S-2, C1A/30-B, MIG Flats, Pankha Road, Janakpuri, NEW DELHI 110058
- SULEKH CHANDRA, M.Sc., Ph.D., FICCE, Former Associate Professor of Chemistry, Zakir Husain College, Delhi; Res. C-1/340, Yamuna Vihar, DELHI 110053, Tel. 011-22911267(R), 09811226273(M); Email: schandra\_00@yahoo.com
- SUMAN, ARCHNA, Ph.D., Senior Scientist, Division Crop Production, Indian Institute of Sugarcane Research, P.O. Dilkusha, Rae-Barely Road, LUCKNOW 226002, Res. 8/23 Bahar A, Sahara States, Janakipuram, LUCKNOW, Tel. 0522-2480737(O), 2766316(R), 09452132020(M), Fax: 2480738, Email: archsuman@yahoo.com
- SUMBALI, GEETA, M.Sc., Ph.D., Professor of Botany, Department of Botany, University of Jammu, JAMMU 180006, Tel. 2435256, 2451684(O), 2471557(R), 09419192102(M), Fax; 2435256; Email: geetasum balippl@yahoo.co.in

SUNDARARAJ, RAMACHANDRAN, M.Sc., M.Phil., Ph.D., FRES, FESI, Scientist G and Head, Forest Protection Division, Institute of Wood Science & Technology, 18th Cross, Malleswaram, BANGALORE-560003, Res. B-10, Type V, IWST Campus, 18th Cross, Malleswaram, BANGALORE — 560003, Tel. 080-22190154(O), 23465940, 22190237(R), 09740433959(M); Fax: 23340529; Email: rsundariwst@gmail.com

- SUNDER RAJU, PERUMALA VENKATA, PhD, PGDEM, Chief Scientist, Room No.257, Geological Studies Division, CSIR-National Geophysical Research Institute, Uppal Road, HYDERABAD, Tel. 040-27012446(O), 09490748152(M), Email: perumala.raju@gmail.com
- SUNDRIYAL, R.C., Ph.D., Scientist 'G' & Group Head, CSED, GB Pant National Institute of Himalayan Environment & Sustainable Development, Kosi-Katarmal, ALMORA 263643, UK; Res. 59, New Nehru Nagar, ROORKE; Tel. 05962-241041, 09412094046(M); Fax: 241150, Email: sundrivalrc@vahoo.com
- SURESH KUMAR, GOPINATHA, Ph.D., FAMS, FRSC, FAScT, Ex Chief Scientist & Head, PME, P&I and BDG Division, Ex Consultant, CSIR-Indian Institute of Chemical Biology, KOLKATA 700032; Res. Thekkedathu, Pathiyoorkala, Keerikkad (PO), Kerala State 690508; Tel. 09433018317, 08617799063(M); Email: gsk.iicb@gmail.com
- SURI, ASHOK KUMAR, Ph.D., Director, Material Group, Engineering Hall No. 6, Bhabha Atomic Research Centre, Trombay, MUMBAI 400085, Res. 28 Shriniketan, Anushaktinagar, MUMBAI 400094, Tel., 022-25593748(O), 25571336, 25562163(R), 09869420149(M), Fax: 25505221, Email: aksuri@barc.gov.in
- SURI, KRISHAN AVTAR, M.Sc., Ph.D., Scientist E-II, N.P.C. Division, Regional Research Laboratory, (C.S.I.R.), Canal Road, JAMMU TAWI 180001
- SURI, OM PARKASH, M.Sc., Ph.D., Director Grade Scientist & Chairman, Natural Product Chemistry Division, Regional Research Laboratory (CSIR), Canal Road, JAMMU TAWI 180001, Tel. 0191-2549051, 2549084, 2544382 Ext. 225, 2573064(O), 2555739(R), Fax: 2548607, 2546383, Email: opsuri2001@rediffmail.com
- SURI, RAKESH KRISHAN, M.Sc.(Chem.), Ph.D., Dy. Director, Ministry of Environment & Forests, Paryavaran Bhawan, C.G.O. Complex, Lodhi Road, NEW DELHI 110003
- SYAL, VIJAY KUMAR, M.Sc., Ph.D., Former Professor & Principal, KIIT College of Engineering, Sohna Road, GURGAON 122102; Res. C-111, Sector 50, May Field Gardens, GURGAON 122018, Tel. 0124-4288742(R), 09818089877(M), Email: syalvk@yahoo.co.in, dr.vksyal@gmail.com
- SYED, MOHAMMAD AHMAD, M.Sc., Ph.D., Professor & Head, Botany Deptt., Saifia College of Science, Asghar Manzil, Budhwara, BHOPAL 462001
- TAKKAR, GURBACHAN LAL, M.Sc., Ph.D., Formerly Professor of Zoology Kurukshetra University, Res. A-234, FF, Shivalik, Nr. MNBT, NEW DELHI - 110017
- **TALAPATRA, SUNIL KUMAR,** M.Sc., Ph.D., P.R.S.(Cal.), C.Chem., F.R.Sc., Professor of Chemistry, Calcutta University, University College of Science, A.P.C. Road, CALCUTTA

TANDON, RAVI, PhD, Assistant Professor, #133 School of Biotechnology, Jawaharlal Nehru University, NEW DELHI - 110067, Tel. 011-26738894(O), 26742054(R), 09971775811(M); Email: ravitandon@jnu.ac.in

- TANEJA, AJAY, M.Sc., Ph.D., Professor, Department of Chemistry, Dr. B.R. Ambedkar University, Khandari Campus, AGRA 282002; Res. 22, Allora Enclave Dayalbagh AGRA-282005, Tel. 0562-2527684(O), 2800882(R), 09897476288(M); Email: ataneja5@hotmail.com
- **TANKHIWALE, N.R.,** M.Sc.(Tech.), Consultant to the World Bank & FAO, Formerly General Managar, NABARD, Mumbai; Res. B-17, Medhavi Lokhandwala Complex, Road No. 2, Andheri (W), MUMBAI 400053, Tel. 022-26366096, Email: ntankhiwale@vsnl.net
- **TAPI, U.D.,** M.Sc., Ph.D., Professor Department of Applied Mathematics, G.S. Instt.of Tech. & Science; Plot No. 10, Lokmanya Nagar Extension, Kesherbag Road, INDORE 452009, Tel. 0731-2760571, 09425054228(M); Email: utapi@sgsits.ac.in
- TARAR, JEEVANKUMAR LAXMANRAO, M.Sc., Ph.D., B.G.L., F.B.S., F.C.G.S., F.I.S.G.P.B., F.N.R.S.,F.A.P.S., F.M.A.S.,F.S.E.Sc., Former Professor & Head Dept. of Botany and Environmental Sci., Institute of Science, Nagpur, Res. Dwarka Sahaniwas, Plot No. 104, Shivajinagar, NAGPUR 440010, Tel. 0712-2248112, 09890772748(M)
- **TEMBHARE, DNYANESHWAR BAPUJI,** M.Sc., Ph.D., Professor & Head, Department of Zoology, Nagpur University, NAGPUR 440 010, Tel. 0712-500322 Ext. 20 (O), 235671(R)
- **TEWARI, AKHILESH,** M.Sc., FSB, Emeritus Scientist, Former Director Grade Scientist, Central Salt and Marine Chemicals Research Institute, Gijibhai Badheka Marg, BHAVNAGAR 363002, Tel. 0278-2567760(O), 2470850(R); Fax: 2567565, 2566970; Email: salt@csir.res.in, atewari@csir.res.in
- **TEWARI, KAILASH**, M.Sc., D.Phil., Retired Principal, 32, Kailash Residency, Out side Orchha Gate 2, JHANSI 284002, Tel. 09415055693(M)
- **THAKER, BHARATKUMAR TRIKAMLAL,** MSc, PhD, FICS, FIC, Former Professor of Chemistry, VNSG University, SURAT, Res. 150, Jiviba Park Society, Near Mohan Park, B/H Gayatri Temple, U.M. Road, Post Althan, SURAT 395017, Tel. 0261-2267957(R), 09228377618(M); Email: btthaker1@yahoo.co.in
- **THAKUR, AJAY KUMAR,** PhD, Senior Scientist-Biotechnology, ICAR-Central Potato Research Institute, SHIMLA 171001, HP; Tel. 0177-2625073(O), 09649242662(M); Fax: 2624460; Email: thakurak2020@gmail.com; ajay\_btc@yahoo.com
- THAKUR, C.P., M.D., Asstt. Professor of Medicine, Medical College, PATNA THAKUR, LAMBODAR, M.Sc., Ph.D.(LONDON), Retd. Professor & Head of Chemistry, Bhagalpur University, MIG 39, Housing Board, Barari, BHAGALPUR 812 003
- **THAKUR, R.S.,** M.Sc., Ph.D.(Cantab), Central Institute of Medicine & Aromatic Plants (C.S.I.R.), P.O. CIMAP, New Kukrail Picnic Spot, LUCKNOW
- THAKUR, SANJEEVE, M.Sc., Ph.D., Associate Professor in Chemistry, Applied Sciences, Netaji Subhas Institute of Technology, Azad Hind Fauj Marg, Sector 3, Dwarka, NEW DELHI 110078, Tel. 011- 25099089 (R); 25099050/2187 Extn.(O), 09891571115 (M); Email: sanjeevethakur63@yahoo.co.in

THAKUR, VIKRAM CHANDRA, M.Sc., Ph.D., D.I.C., Director, Wadia Institute of Himalayan Geology, 33, General Mahadeo Singh Road, DEHRADUN - 248 001

- **THAPPA, RAJINDER KUMAR,** M.Sc., Ph.D., Scientist E-II, D-28, R.R.L. Colony, Canal Road, JAMMU 180001
- **THENGANE, SUBHADA RATNAKAR,** Ph.D., Scientist F, Plant Tissue Culture Division, National Chemical Laboratory, Pashan Road, PUNE 411008, Res. 902/B, Padmavilas, Baner-Pashan Link Road, Pashan, PUNE 411021, Tel. 020-25902227(O), 09763007788(M); Email: sr.thengance@ncl.res.in
- **THOMAS, PIOUS,** Ph.D., P.D.F., CEO & Director, Thomas Biotech & Cytobacts Centre for Biosciences (OPC) Pvt. Ltd., 318, Talacauvery Layout, Amruthahalli, BENGALURU 560092; Res. 318, Serenity, 1st Main, Talacauvery Layout, Amruthahlli, BENGALURU 560092; Tel. 09480514820, 08095244466(M); Email : pioust@gmail.com; thomasbiotech.opc@gmail.com
- **THOTTATHIL, PAULOSE,** M.Sc., D.Phil., Research Scientist (Chemistry), Polymer Research Corp. of America, 2750 Homecrest AVE 124, Brooklym, New York, 11235, U S A
- **THUDI, MAHENDAR,** PhD, Associate Professor, Dept. of Agricultural Biotechnology and Molecular Biology, Dr. Rajendra Prasad Central Agril. University, Pusa, SAMASTIPUR, BIHAR 848125, Tel. 09701207056(M); Email: mahendar.thudi@gmail.com
- TIRUMKUDULU, MAHESH S., Ph.D., Associate Professor, Dept. of Chemical Engineering, Indian Institute of Technology Bombay, Powai, MUMBAI 400076, Tel. 022-25767227(O), 09004129392(M); Email: mahesh@che.iitb.ac.in
- **TIWARI SUSHMA**, PhD, Scientist, Department of Plant Molecular Biology and Biotechnology, College of Agriculture, Rajmata Vijayraje Sciendia Krish Vishwavidyalaya, GWALIOR, Tel. 09654466198, 08839695584(M), Email: sushma2450@gmail.com
- **TIWARI, G.L.,** M.Sc., D.Phil., Formerly Professor & Head, Department of Botany, University of Allahabad; Res. 8/136, Avas Yojna-3, Jhunsi, PRAYAGRAJ-211019; Tel. 09450580129(M); Email: gltalgae@rediffmail.com
- TIWARI, H.P., M.Sc., Ph.D., D.I.C., Former Head, Department of Chemistry, Allahabad University, PRAYAGRAJ; Res. 389, Mumfordganj, PRAYAGRAJ 211002, Tel. 09415214611(M), Email: hptiwari@hotmail.com
- TIWARI, ISHWARI PRASAD, M.Sc., Retd. Principal, Govt. Post Graduate College; 39, Vivekanand Nagar, RAIPUR 492001, Tel. 2427438(R)
- **TIWARI, KAMAL KANT,** M.Sc., D.Phil., Lecturer, Department of Physics, Allahabad Degree College, PRAYAGRAJ
- TIWARI, KRISHNA KANT, Formerly Director, Z.S.I. & Formerly VC, Jiwaji University, B-278, Shahpura, BHOPAL 462016, Tel. 721378
- TIWARI, NAVIN CHANDRA, M.Sc., Ph.D., Chemist, Pollution Monitoring Lab., Amravati Colony - IIIrd, Talli Bamori, HALDWANI (NAINITAL) - 263 139
- TIWARI, RADHEY SHYAM, M.Sc., Ph.D., Professor, Department of Physics, Banaras Hindu University, VARANASI 221005; Res. N-14/67A1, Krishna Deo Nagar, Sarainandan Khajawa, VARANASI 221010; Tel. 0542-2307308(O), 2318213(R), 09415991746(M); Fax: 2369889; Email: rstiwariphy@yahoo.com

TIWARI, RAJNARAYAN RAMSHANKAR, MBBS, MD, PhD, AFIH, Director, ICMR-National Institute for Research in Environmental Health, Bhopal, 201 Kalpataru Apts., 70 Rambag Layout, Near Bansod Nursing Home, Medical Square, NAGPUR - 440003, Tel. 0755-2533106(O), 09225224605(M); Fax: 2533976; Email: rajtiwari2810@yahoo.co.in, tiwari.rr@gov.in

- **TIWARI, SUDHA**, M.Sc., Research Scholar, Deptt. of Zoology, C/o Prof. N.P. Tripathi, 29, Urrahat, REWA 486001
- TIWARI, SUGRIVA NATH, M.Sc., Ph.D., Professor, Department of Physics, DDU Gorakhpur University, GORAKHPUR 273009, Tel. 0551-2332398(O), 2203182(R), 09450884082(M), Fax: 2340458, Email: sntiwari123@rediffmail.com
- TIWARI, SWETA, PhD, Associate Professor, E1-203, Dept. of Mathematics, IIT Guwahati, GUWAHATI 781039, Tel. 0361-2582636(O), 2919500(R), 09711287827(M); Email: swetatiwari@iitg.ac.in
- **TIWARI, TEJ NARAYAN,** M.Sc., A.S.I.N.P., Ph.D., D.Sc., Asstt. Professor, Department of Physics, Regional Engineering College, ROURKELA-769008
- TIWARI, UMESH KUMAR, MSc,MTech, PhD, Principal Scientist (Advanced Materials &, Sensor), CSIR-Central Scientific Instruments Organization, Sec. 30 C, CHANDIGARH-160030, Tel. 0172-2672282(O), 2640251(R), 09417685208(M); Email: umeshtiwari@csio.res.in; uktiwari\_2003@yahoo.co.in;
- TIWÁRI, VISHVANATH, PhD, Assistant Professor, Department of Biochemistry, Central University of Rajasthan, Bandarsindhari, Kishangarh, AJMER 305817, RAJASTHAN, Tel. 08503002573(M); Email: vishvanath@curaj.ac.in; vishvanathtiwari@hotmail.com
- TOKY, OM PARKASH, Ph.D., FNAA, ICAR Emeritus Scientist & Ex Dean, PGS, CCS Haryana Agricultural University, HISAR 125004; Res. A1 76 First Floor, DLF Valley (Near Amrawati Enclave), PANCHKULA 134107, Haryana; Tel. 09896173626(M), Email: optoky@gmail.com
- TOMAR, JAYA, M.Sc., D.Phil., H-10 Mirdard Lane, M.A.M.C. Campus, NEW DELHI 110002
- TOMAR, SHIV MANGAL SINGH, M.Sc., Ph.D., Emeritus Scientist (CSIR), Division of Genetics, Indian Agricultural Research Institute, New Delhi 110012, Res. House No. 119, Pocket 11, Sector 8, Rohini, NEW DELHI 110085, Tel. 011-27948428(R), 09868819098(M); Email: smstomar@yahoo.co.in
- TRIPATHI, A.K., M.Sc., Ph.D., Manager, (Environment), National Hydroelectric Power Corporation, Sector-33, FARIDABAD, Res. F-47, Jal-Vidyut Apartments, Sector-21C, Phase-III, FARIDABAD, Tel. 0129-2428547(R)
- TRIPATHI, C.P.M., M.Sc., Ph.D., FAZ, FAEB, FZS., Professor & Former Head, Department of Zoology, DDU Gorakhpur University, GORAKHPUR 273 009, Director, Internal Quality Assurance Cell (IQAC) DDU Gorakhpur University, GORAKHPUR, Res. 21, Vindhya Vasini Nagar, GORAKHPUR 273001, Tel. 0551-2202187(O), 2205509(R), 09415322053(M), Fax: 2340459, Email: cpmtripathi@outlook.com
- TRIPATHI, GHANSHYAM, M.Sc., Ph.D., Professor & Former Head, Department of Zoology, J.N.V. University, JODHPUR 342001, Res. D41, Saraswati Nagar, New Pali Road, JODHPUR 342005, Tel. 0291-2720839(O), 2722759(R), 09461028859(M), Email: drgst@rediffmail.com, 101drgst@gmail.com

TRIPATHI, MANOJ KUMAR, PhD, Principal Scientist, ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Baresia Road, BHOPAL - 462038, Tel. 07552521071, 09165101340(M); Email: manoj.tripathi1@icar.gov.in; tripathimanoj007@gmail.com

- TRIPATHI, NARAYAN PRASAD, M.Sc., Ph.D., D.Sc., F.Z.S.I., F.H.S.I., Formerly Principal of Higher Education (MP), Res. 29, Sakti Nagar,
  - Urrahat, REWA 486001, Tel. 09424777585(M)
- TRIPATHI, NIJENDRA NATH, M.Sc., Ph.D., FBS, FPSI, Professor of Botany, Head, Department of Ind. Microbiology, DDU Gorakhpur University, GORAKHPUR 273009, Tel. 0551-2203795(R), 09450883779(M), Email: nijendratripathi@rediffmail.com
- TRIPATHI, ONKAR NATH, M.Sc., Ph.D., LL.B., Formerly Addl. Director, Higher Education, Govt. of MP; Founder Director, Academic Staff College, RDVV, JABALPUR; Res. HIG-10, Anand Nagar, JABALPUR-482004; Tel. 0761-4031573, 09826233787(M)
- TRIPATHI, PARVEEN, D.Phil., Pool Officer, Department of Chemistry, University of Allahabad, PRAYAGRAJ
- **TRIPATHI, SNEHLATA,** M.Sc., D.Phil., Research Associate (CSIR), Nucleic Acids Research Lab., Department of Chemistry, University of Allahabad, PRAYAGRAJ 211002
- TRIPATHI, TIMIR, PhD, Professor of Molecular Biology, Department of Zoology, School of Life Sciences, North-Eastern Hill University, SHILLONG 793022, MEGHALAYA, Tel. 0364-2722141(O), 2722037 (R), 09436766999, 08840882037(M); Fax: 2550108; Email: timir.tripathi@gmail.com
- TRIPATHI, YOGESH CHANDRA, M.Sc., Ph.D., Sr. Scientist & Head, Chemistry and Bioprospecting Division, Forest Research Institute, P.O. New Forest, DEHRADUN 248006; Tel. 0135-2752671, 2224207(O), 2750210, 2224582(R), 09412050775(M); Email: tripathiyc@gmail.com; tripathiyc@icfre.org
- **TRIVEDI, D.G.,** M.Sc., Ph.D., Lecturer, Zoology Department, Sir P P Institute of Science, Bhavnagar University, BHAVNAGAR
- TRIVEDI, KUNJBIHARI NATWARLAL, Ph.D., C.Chem., FRSC, Professor of Chemistry, 72. Harinagar Society, Gotri Road, BARODA 390007
- Chemistry, 72, Harinagar Society, Gotri Road, BARODA 390007 TRIVEDI, M.K., M.Sc., Professor & Head, Botany Department, Sir P P Institute of Science, BHAVNAGAR
- TRIVEDI, PRAVIN CHANDRA, MSc, PhD, Post Doc.(USA), FLS(London), FBS, FPSI, FNSI, FBRS, FMA, FES, FNRS, FIAT, Former Vice-Chancellor, Jai Narayan Vyas University, Jodhpur, Rajasthan; Res. 140-A Vasundhara Colony, Tonk Road, JAIPUR 302018; Tel. 0141-2706280(R), 09414248524, 06350597918(M), Email: ptrivedi33@yahoo.com, pctrivedi33@gmail.com
- **TRIVEDI, R.N.,** MSc, PhD, NRLC, FBS, FIAPCB, FISCG, FSCG, FNAS(USA), University Professor & Head, Department of Environmental Sciences, Magadh University, 194, B, Srikrishna Puri, PATNA 800001
- TRIVEDI, RAJNI, M.Sc., Ph.D., Deputy Director, CFSL, 30, Gorachand Road, Kolkata 700014; Res. Flat No. 5, 30 Belvedre Road, Multi Stories Officers Flats, Alipur, Kolkata; Tel. 033-22842273(O), 24898732, 24398783(R); Fax: 22849442; Email: trivedi\_r@hotmail.com
- TYAGI, BALI RAM, M.Sc., M.Phil., Ph.D., Scientist-G & Coordinator, Division of Genetics & Plant Breeding, Central Institute of Medicinal & Aromatic Plants, P.O. CIMAP, LUCKNOW 226015, Res. House No. 37, Sector 25, Indra Nagar, LUCKNOW 226016; Tel. 0522-2357138(O), 2716436(R), Fax: 2342666; Email : br.tyagi@ gmail.com, brtyagi@hotmail.com

TYAGI, MOHIT, Scientific Officer G, Techanical Physics Division, Mod. Lab, Bhabha Atomic Research Centre, Trombay, MUMBAI – 400085; Tel. 022-25593242(O), 09969359691(M), Email : tyagi@barc.gov.in; 022-25593242(O), tyagimt@gmail.com

**TYAGI, PROJESH KUMAR,** Officer Incharge, Malaria Research Centre, Shankargarh, DIST. PRAYAGRAJ

UNIYAL, DEVI PRASAD, MSc, PhD, Joint Director, Uttarakhand State Council for Science & Technology, Vigyan Dham, Jhajra, DEHRADUN - 248007; Res. HNo 672/II, Indira Nagar Colony, PO New Forest,

UNIYAL, SANJAY KR., M.Sc, Ph.D., Senior Principal Scientist, Environmental Technology Division, CSIR-Institute of Himalayan Bioresource Technology, PALAMPUR -176061, Tel. 01894-233339 Ext.361(O), 09418070321(M); Fax: 230433; Email: suniyal@ihbt.res.in;

suniyal@yahoo.com;

UNNITHAN, R.V., M.Sc., Ph.D., D.Sc., Scientist, National Inst. of Oceanography, P.B.No. 1913, COCHIN - 682018

UPADHYAY, SATYA PRAKASH, M.Sc., Ph.D., Assistant Professor, 41, Shastri Colony, SHIVPURI
UPADHYAYA, LAKSHMI NARAYAN, M.Sc., Ph.D., Former Professor, IIT(ISM), DHANBAD, Res. C-209, Sterling Brookside, ITPL Main Road, Oracide Mandall Res. C-209, Sterling Brookside, ITPL Main Road, Des. Co. 200, Sterling Brookside, Des. Co. 200, Sterling Brookside, Des. Co. 200, Sterling Brookside, Des. Co. 200, Opposite Kundalahalli Colony, Whitefield, BANGALORE - 560037, Tel. 09452375611(M), Email: Inupadhyaya@yahoo.com

USMANI, RIAZ AHMAD, B.Sc.(Hons.), M.Sc., Ph.D.(British Columbia), Professor, Deptt. of Applied Mathematics, University of Manitoba, Winnipeg, Manitoba, CANADA-R3T 2N2

UTTAM, K.N., D.Phil., Associate Professor, Department of Physics, Allahabad University, PRAYAGRAJ - 211002, Tel. 0532-2465008(O), 2504172(R), 09839053071(M); Email: kailash.uttam@rediffmail.com

- VAHIA, MAYANK N., Ph.D., Former Professor, TIFR & Former Dean, School of Mathematical Sciences, NMIMS, MUMBAI, Res. 501 A, Celestia Heights, Mind Space, Malad, MUMBAI-400064; Tel. 09869449450(M);
- Fights, Militu Space, Malau, MolMSAI-400064, Tel. 09009449450(M), Email: mnvahia@gmail.com; vahia@tifr.res.in

  VAIDYA, JAYATHIRTHA RAO, Ph.D., CChem, FRSC, FAPASc, FTASc, FICC, FICS, Emeritus Scientist, Organic Synthesis and Process Chemistry Department, CSIR-Indian Institute of Chemical Technology, Uppal Road, Tarnaka, HYDERABAD 500007; Res. H.No. 14-155/4 Beerappagadda, Uppal, HYDERABAD 500039; Tel. 09866063248(M);
- VANGURY, MANGA, M.Sc., Ph.D., Professor, Department of Botany, Andhra University, VISAKHAPATNAM 530003, Tel. 0891-754871 Ext. 342(0), 530492(R); Fax: 755471
- VARADARAJ, G., M.Sc., Ph.D., Controller of Examinations, Erode Arts College (Autonomous), ERODE 638009, Tel. 0424-2430535(O), 2274423(R)
- VARJANI, SUNITA, PhD, Visiting Fellow, School of Energy and Environment, City University of Hong Kong, Tat Chee Avenue, Kowloon,
- HONG KONG; Tel. 09909828684(M), Email: drsvs18@gmail.com

  VARMA, MANISH CHANDRA, M.Sc., Ph.D., Professor, University Department of Zoology, T.M. Bhagalpur University, BHAGALPUR 812007, Tel. 0641-2501722(O), 2422148(R), 09431214481, 09031482431(M);
- Email: mvbgp86@gmail.com VARSHNEY, ANIL KUMAR, M.Sc., M.Phil., Ph.D., FIBS, Former University Professor, Department of Botany, Giridih College; Res. E403, Sai Luxuria, Opposite Kumar Piccadilly, Near AKSHARA International School, Wakad, PUNE – 411057; Tel. 09431920164, 08210126595(M); Email: varshney.anilkumar@gmail.com
- VARSHNEY, ASHARFI LAL, PhD, 157/5 Shastri Nagar, MEERUT 250006

VARSHNEY, C.K., M.Sc., Ph.D., Professor Emeritus, School of Environmental Sciences, JNU, NEW DELHI; Res. 88, Vaishali, Pitampura, DELHI - 110034, Tel. 011-27313388(R), 09818547904(M), Email: ckvarshney@hotmail.com

- VASHISHTHA, SHEKHAR, B.R., S.S., Ph.D., P.G.D.J., C.C.F.S., F.G.S., G.G.(USA), F.G.A.(U.K.), Industrial Advisor (Lapidary & Horn Industry), 19A/3, 1st Floor, Civil Lines, JHANSI 284001
- VASS, KULDEEP KUMAR, M.Sc.,Ph.D., FNAAS, FIFSI, FIAA, FSES & T., FNIE, Ex- Director, CIFRI, Barrackpore & DCFR, Bhimtal, Consultant, Fisheries and Environmental Projects; Res. C-218 Pocket-VII, Kendriya Vihar-II, Sector-82, NOIDA., Tel.0120-2462012, 09999330182 (M); Email: vass.kuldeep76@gmail.com,kuldeepvass@rediffmail.com
- VATAKENCHERRY, PAUL A., Ph.D., Head, Deptt. of Applied Chemistry, University of Cochin, COCHIN 22
- **VELMATHI, S.,** PhD, Professor, Department of Chemistry, National Institute of Technology, Trichy, TRICHY 620015, TN, Tel. 0431-2503640(O), 09486067404(M); Fax: 2500133; Email: svelmathi@hotmail.com
- VENKATA RAO, PULUGURTA, M.Sc., Ph.D., Principal, Padmasri Dr. B.V. Raju Institute of Computer Education, Vishnupur, BHIMAVARAM 534202, Tel. 08816-228461, Fax : 227769, Email : bvrcollege@rediffmail.com, elr\_bvrice@sancharnet.in
- VENKATARAMAN, GAYATRI, Ph.D., Principal Scientist, Plant Molecular Biology Lab., MS Swaminathan Research Foundation, III Cross Street, Taramani Institutional Area, CHENNAI 600113, Res. T-1, Phase I, Jains Aashiana, No.1 Vembuliamman Koil Street, Virugambakkam, K.K. Nagar (West), CHENNAI 600078, Tel. 044-22541229(O), 23640761(R), 09840271664(M); Fax: 22541319; Email: gayatri@mssrf.res.in
- VENKATASUBRAMANIAN, K., Ph.D., Scientist C, Central Salt & Marine Chemicals Research Institute, BHAVNAGAR
- VENKATESHWAR, C., M.Sc., Ph.D., Scientist 'B', I.T.R.C., LUCKNOW
- VENKATRAMAN, M., M.Sc., Ph.D., Senior Vice President & Head (Application Engg.), Essar Steel Ltd., 27th KM, Surat Hazira Road, HAZIRA 394270, DIST. SURAT
- VERMA, ALPANA, M.Sc., Ph.D., Research Scientist, Flat No. 304, Gharonda Group Housing Society, GH-06, Alpha I, GREATER NOIDA
- VERMA, ANIL KUMAR, M.Sc., M.Phil., Ph.D., F.LS.(London), Senior Lecturer in Zoology, Government (PG) College for Women, Gandhi Nagar, JAMMU 180004, Res. Q.No. 77, Bakshi Nagar (Roulki) JAMMU TAWI 180001, Tel. 0191-2435158(O), 2585739(R), 94191-88820(M), Fax: 2435158, Email: anilvermaverma@lycos.com
- VERMA, ASHOK, M.Sc., Ph.D., Reader in Zoology, Dr. S.P. Mukherjee Govt. Degree College, Phaphamau, PRAYAGRAJ, Res. 1166/1010, Malviya Nagar, PRAYAGRAJ 211003, Tel. 0532-2415089, Email: chinkychak@rediffmail.com
- VERMA, B.C., M.Sc.(Hons.), Ph.D., Formerly Professor & Chairman, Department of Chemistry, HP University, SHIMLA, Res. 1, Mount View House, Near University Playground, Summer Hill, SHIMLA 171005, Tel. 0177-2830944(O), 2831397(R), Fax: 230775
- VERMA, B.K., M.Sc., D.Phil., Retd. Head & Professor of Botany Department, University of Allahabad, PRAYAGRAJ, Res. 23/6B, Ramanand Nagar, Allahpur, PRAYAGRAJ - 211006

VERMA, BHOLA NATH, M.Sc., Ph.D., Professor, Department of Botany, B.R.A. Bihar University, MUZAFFARPUR - 842001

- VERMA, D.M., Retd. Botanist, BSI, 20, MIG Flats, Mumfordgunj, Lajpatrai Road. PRAYAGRAJ 211 002
- VERMA, DINESH KUMAR, M.Phil., Ph.D., Associate Professor, Department of Mathematics, Narmada College of Science & Commerce, Zadeshwar, BHARUCH 392011, Gujarat Tel. 09426856053(M); Email : dineshbveram@gmail.com
- VERMA, GOPAL KRISHNA, M.Sc., Ph.D., Ex Head, Zoology Department, Ram Niwas, 23 A, Allahapur, PRAYAGRAJ 211006
- VERMA, M.M., D.Phil., Formerly Professor of Chemistry & Director, Sheila Dhar Institute of Soil Science; Res. A-154, Mehdauri Avas Vikas Colony, PRAYAGRAJ 211004; Tel. 0532-2545282
- VERMA, O.P., I.D.(I.I.M.C.), Science Correspondent, Press Trust of India, First Floor, P.T.I.Building, Parliament Street, NEW DELHI 110001
- VERMA, R.C., M.Sc., Professor of Mathematics, Jiwaji University, GWALIOR VERMA, R.P., M.Sc., Ph.D., FPSI, Formerly Professor of Botany, R.S. College (BRABU), Muzaffarpur; Res. Nirmal Kunj, Pankhatoli, MUZAFFARPUR 842002, Tel. 0621-2244940
- VERMA, RAMTEJ JAYRAM, M.Sc., Ph.D., F.A.S.A.W., F.G.S.A., F.S.T., F.Z.S.I., Professor, Department of Zoology, University School of Sciences, Gujarat University, AHMEDABAD 380 009, Tel. 079-26302362(O), 09825323077 (M); Email: ramtejverma2000@yahoo.com
- VERMA, SANGEET KUMAR, M.Sc., Ph.D., Formerly Principal, C.M.Science College, DARBHANGA, Res. Flat No. 101, Sarla Enclave, B.P. Road-2, New Patliputra Colony, PATNA 800013, Tel. 9835052361(M)
- VERMA, SHAILESHWAR PRASAD, Reader, University Dept. of Mathematics, BRA Bihar University, MUZAFFARPUR - 842001, Res. Motijheel (Near Rly. Crossing), MUZAFFARPUR, Tel. 0621-2248952(R)
- **VERMA, SHASHI,** M.Sc., Ph.D., Scientist S-3, Division of Entomology, Indian Agril. Research Institute, NEW DELHI
- VERMA, SHEKHAR, M.Sc., Ph.D., Former Professor, Department of Zoology, University of Rajasthan, JAIPUR; Res. 5/17, S.F.S. Agarwal Farm, Mansarovar, JAIPUR 302020; Email: mrfixit4u@gmail.com
- **VERMA, SINDHU,** M.Sc., Ph.D., Reader, Botany Department, A.N.D. College, Harshnagar, KANPUR
- **VERMA, V.P.,** D.Phil., Research Scholar, Physics Department, Allahabad University, PRAYAGRAJ
- VERMA, VIJESHWAR, Ph.D., Former Dean, Faculty of Sciences & Director, School of Biotechnology, Shri Mata Vaishno Devi University, Katra-182320 (J&K State); Res. 9-C, Bahu Apartments, Panama Chowk, Gandhi Nagar, Jammu Tawi 180004, Tel. 09419131814, 07006232186(M); Email: nviq@yahoo.com, verma211@gmail.com;
- VIDYARAM, CHANDRA SHANKER DIXIT, M.Sc., Professor & Head, Sir P P Institute of Science, BHAVNAGAR 364002
- VIJAY, VIRENDRA KUMAR, Ph.D., Professor & Head, Centre for Rural Development & Technology, Indian Institute of Technology, Hauz Khas, NEW DELHI 110016, Res. 24, West Avenue, IIT Campus, Hauz Khas, NEW DELHI 110016, Tel. 011-26596351(O), 26591643(R), 09871366611(M); Fax: 26591121; Email: vkvijay@rdat.iitd.ac.in, vkvijay14@gmail.com

VIJAYAKUMAR, R.P., PhD, Associate Professor, Dept. of Chemical Engineering, VNIT, South Ambazari Road, NAGPUR - 440010, Tel. 0712-2801782(O), 09970335592(M); Email:jbgvijayiitb@gmail.com

- VIJAYAKUMAR, T., MSc, PhD, CChem, FRSC (London), CBiol FIBiol (London), FIMSA, FABMS, FICS, FACBI, Professor & Head, Department of Biochemistry, Mahe Institute of Dental Sciences & Hospital, Chalakkara, Mahe, UT OF PUDUCHERRY 673310; Tel. 0490-2336190, 2337765(O), 09447141307(M); Email: tvkumarvarkala@gmail.com
- VIJAYAN, N., PhD, Principal Scientist, Room No. 42, Indian, Reference Materials (BND) Division, CSIR-National Physical Laboratory, NEW DELHI 110012, Tel. 011-4560 8263, 8261, 8634(O), 09868389634, 07292043343(M); Fax: 45609310; Email:nvijayan@nplindia.org; vjnphy@gmail.com
- VIMALA, YERRAMILLI, Ph.D., Professor Emeritus, Department of Microgiology, CCS University, MEERUT 250004; Res. 458, Choubey Compound, WK Road, MEERUT 250 001; Tel. 09411905180(M), Email: yvimala17@gmail.com
- VINCENT, SAVARIAR, Ph.D., D.Litt., FNABS, FRSB(Lon.), Dean of Research, Loyola College, CHENNAI 600034, Res. No.30, Tankbund Road, No. 3 Red Bricks Leela Apts., Nungambakam, CHENNAI 600034, Tel. 044-28178389(O), 09445878319(M); Email : svincentlovola@amail.com
- VINU, R., Professor, Dept. of Chemical Engineering, IIT Madras, CHENNAI 600036, Tel. 044-22574187(O), 09500158723(M); Email: vinu@iitm.ac. in; rvinu008@gmail.com;
- VISHAL, VIKRAM, PhD, Associate Professor, Department of Earth Sciences, IIT Bombay, Powai, MUMBAI 400076, Tel. 022-25767254, 25768254(O), 09619290150(M), Fax: 25767253, Email: v.vishal@iitb.ac.in
- VISHNOI, NARESH KUMAR, Ph.D., Lecturer, Chemistry Department, Christ Church College, KANPUR
- VISHWAKARMA, GAJENDRA KUMAR, PhD, Associate Professor, Department of Mathematics & Computing, Indian Institute of Technology Dhanbad, DHANBAD 826004, Tel. 0326-2235920(O), 2235981(R), 09471191338(M), Email: vishwagk@rediffmail.com; vishwagk@iitism. ac.in
- VYAS, L.N., M.Sc., Ph.D., Head, Department of Botany, M.B College, UDAIPUR
- WAFAI, BASHIR AHMAD, M.Sc., Ph.D., Professor, Department of Botany, University of Kashmir, SRINAGAR 190006, Tel. 0194-2400751(R); Fax: 2421357, Email: bawafai@yahoo.co.in
- WAHAJUDDIN, M.S.,Ph.D., Senior Scientist, Pre-Clinical North, Lab # 106, Division of Pharmacokinetics & Metabolism, CSIR-Central Drug Research Institute, BS 10/1, Sector 10, Jankipuram Ext., Sitapur Road, LUCKNOW 226031, Res. B-10/GF/T-2, CSIR Colony, Sector K, Aliganj, LUCKNOW 226024, Tel. 0522-4000838(R)
- WALI, M., M.B.B.S., M.D.(Medicine), Physician to the President, President Estate of India, Clinic Rastrapati Bhavan, NEW DELHI 110 004
- WANGANEO, ASHWANI, M.Sc., Ph.D., Dean Fasculty of Life Sciences, Professor & Head, Dept. of Environmental Sciences & Limnology, Barkatullah University, BHOPAL, Res. 52, Aadi Parisar, Baghsewani, BHOPAL, Tel. 0755-2517125(O), 2902449(R), 09425301479(M), Fax: 2491703, Email: profwanganeo@gmail.com

WANI, PRAKASH VITTHAL, M.Sc., Ph.D., Assistant Professor, Deptt. of Plant Pathology & Agril. Microbiology, M.P. Agricultural University, RAHURI - 413722, Tel. 02426-43231(O), 43497(R)

- **WANI, SHABIR HUSSAIN,** PhD, Assistant Professor cum Scientist, Genetics & Plant Breding, MRCFC Khudwani, SKUAST KASHMIR, Tel. 09419035566, 07006907220(M); Email: shabirhussainwani@gmail.com; shabirhwani@skuastkashmir.ac.in
- WARAITCH, K.S., M.Sc.(Hons.School), Ph.D., Sr. Pathologist (Sugarcane), Sugarcane Research Station, 103, Golden Avenue, Phase I, JALLANDHAR 144022, Tel. 0181-222932
- **WEYL, NATHANIEL,** B.Sc., F.I.A.L., Writer, 855, Oleandur Street, Boea Raton, Florida-33432, U.S.A.
- YADAV, GITANJALI, Lectrue, Dept. of Plant Sciences, University of Cambridge, Downing Site, CB23EA, Cambridgeshire, U.K.; (B) SS-V, NIPGR New Delhi; Tel. +44-12230330449(O), 07741012371(M); Email: gy246@cam.ac.uk, gy@nipgr.ac.in;
- YADAV, HARLOKESH NARAYAN, PhD, Associate Professor, Department of Pharmacology, All India Institute of Medical, Sciences, NEW DELHI 110029, Tel. 011-26583282(O), 25041100(R), 08171544655(M); Fax: 26549265; Email: hnyadav@gmail.com
- YADAV, J.S., M.Sc.(Hons.), Ph.D., LL.B., FSCG, FZS, FNC, FDNAES, President, Society of Environmental Scientists, India; Formerly Professor of Zoology & Dean, Faculty of Science, Kurukshetra University; Res. 1, Kuber Colony, Jhansa Road, KURUKSHETRA - 136118, Tel. 09416064351(M)
- YADAV, L.D.S., Ph.D., Former Professor, Department of Chemistry, University of Allahabad, PRAYAGRAJ 211002, Res. 695-C, Baghambari Gaddi, Allahpur, PRAYAGRAJ 211006, Tel. 09415646673 (M): Email: Idsyadav@hotmail.com
- YADAV, MANOJ KUMAR, Ph.D., Professor H, Harish-Chandra Research Institute, Chhatnag Road, Jhunsi, PRAYAGRAJ 211019, Tel. 0532-2274318(O), 2274025(R), 09956072207(M); Email: myadav@hri. res.in
- YADAV, PRAGYA DHRUV, M.Sc., Ph.D., FAMS, FNAASc, FIVS, Scientist F & In-charge, Maximum Containment Facility, ICMR-National Institute of Virology, Microbial Containment Complex, 130/1, Sus Road, Pashan, PUNE- 411021, Res. C-704, Poorva Height, Sus Road, Pashan, PUNE 411021, Tel. 020-26006390/111(O), 29526933(R), 09921836654(M); Fax:25871895; Email: hellopragya22@gmail.com, yadav.pragya@gov.in
- YADAV, RAJA RAM, M.Sc., Ph.D., Former VC, VBS Purvanchal University, Jaunpur; & Former Head & Professor, Department of Physics, University of Allahabad; Res. 37A/4, Old Cantt., Chatham Line, PRAYAGRAJ 211002, Tel. 09415347913(M); Email: rryadav1@rediffmail.com
- YADAV, RAJPAL SINGH, M.Sc., Ph.D., Deputy Director & Officer-in-Charge, Malaria Research Centre (ICMR), Civil Hospital, NADIAD 387001, Tel. 0268-2520280(O), Fax: 2521808, Email: mrcnadiad@rediffmail.com
- YADAV, SAVITA, Ph.D., FAMS, Professor, Room No. 3004, 3rd Floor, Teaching Block, Department of Biophysics, AllMS, Ansari Nagar, NEW DELHI 110029, Res. D-801, Nav Sanjivan Apartments, Plot-I, Sector 12, Dwarka, NEW DELHI 110075, Tel. 011-26546445(O), 09811797161(M); Fax: 26588500; Email: savita11@gmail.com

YADAV, SHWETA, PhD, Professor & Head, Department of Zoology, Dr. HS Gour Vishwavidyalaya (A Central University), SAGAR - 470003, MP, Tel. 09479983812(M); Email: kmshweta@gmail.com; kmshweta@dhsgsu.

- YADAV, THAKUR PRASAD, PhD, Associate Professor, Department of Physics, Faculty of Science, University of Allahabad, PRAYAGRAJ -Tel. 09415447668(M); Email : yadavtp@gmail.com, tpyadav@allduniv.ac.in
- YADAVA, RAM BALI RAM, M.Sc., Ph.D., F.S.S.T., F.I.S.P.P., Principal Scientist & Head, Div. of Environmental Soil Sciences, Indian Institute of Soil Science, Nabi Bagh, Berasia Road, BHOPAL - 462038, Tel. 0755-730946, 730970; Fax: 733310; Email: iiss@iiss.mp.nic.in
- YADAVA, V.S., M.Sc., D.Phil., Professor, Chemistry Department, Lucknow University, LUCKNOW, Email: kamya.situ@gmail.com
- YAMDAGNI, RAKESH, M.Sc., Ph.D., Vice-Chancellor, N.D. University of Agril. & Technology, Kumarganj, FAIZABAD 224229
  YAWALE, NANA RAM RAO, M.Sc., Ph.D., Lecturer, Department of Botany,
- Institute of Science, NAGPUR
- YOUSUF, ABDUL REHMAN, M.Sc., Ph.D., FIFSI, FNIE, FZSI, Professor, Centre of Research for Development and P.G. Dept. of Environmental Science, University of Kashmir, SRINAGAR - 190006, Tel. 0194-2145643(O), 09419514446, 09906960993(M); Email: aryousuf@ rediffmail.com; aryousuf1951@gmail.com

# CONTACT

## The National Academy of Sciences, India

5, Lajpatrai Road, Prayagraj - 211002, India

Hony. President at Prayagraj Prof. Balram Bhargava (0532) 2640224, 2440278(O)

at Delhi

(011) 26588204(R), 41750574(M) balrambhargava@yahoo.com; balrambhargava@gmail.com

Hony. General Secretary (HQ) Prof. D.S. Pandey (0532) 2640224, 2642095(O) 9450960400(M)

dspbhu@bhu.ac.in

dsprewa@yahoo.com nasi.allahabad1@gmail.com

(022) 25767207(O) 9820605364(M) Hony. General Secretary (Out-station) Prof. J.R. Bellare jb@iitb.ac.in

Hony. Treasurer Prof. R.S. Verma 9335120178(M) vermars@iitm.ac.in

dr.ramashankerverma@gmail.com

(0532) 2640224, 2441243(O) **Acting Executive Secretary** 9415122857(R), 9511429102(M)

Shri A.K. Srivastava Accounts Officer nasi.allahabad1@gmail.com

### For finance, accounts, RFD and Probity Portal enquiries

(0532) 2640224(O) 9415122857(R), 9511429102(M) Shri A.K. Srivastava Accounts Officer aesacc.nasi@gmail.com

For directory, fellowship, membership, vigilance, GeM and NKN enquires

Shri Bhanu Pratap Singh (0532) 2640224(O) Computer Programmer 9511429103, 9415637575(M) sraes.nasi@gmail.com Vigilance Officer, Data Officer Nodal Officer, NKN & GeM

### For science communication, CPP Portal and Records enquiries

Dr. Santosh K. Shukla (0532) 2640224(O) Asstt. Executive Secretary (Grade III) 7985337078, 9511429104(M) Nodal Officer, CPP Portal & santosh.nasi1@gmail.com Records Officer

#### For public information & RTI\*, and publications enquiries

(0532) 2640224(O) Dr. Pavitra Tandon Asstt. Executive Secretary (Grade III) 9511429105, 9415647794(M) pavitra.nasi@rediffmail.com CPIO

\*Appellate authorities for RTI are Sri A.K. Srivastava, Acting Executive Secretary, NASI and General Secretary (HQ), NASI, Prayagraj