YEAR BOOK 2022

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

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2022



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POSTAL ADDRESS

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THE ACADEMY

(I) An Introduction

India could justly feel proud for its unique contributions to science in the ancient past. However, successive foreign invasions and alien rule for centuries pushed science in the background and the country went through with what may be described as the dark age for science. Western science attracted Indian intelligentsia after the establishment of the western system of education and the universities; and despite many constraints, the country could produce giants like Prof. J.C. Bose, Prof. S.N. Bose, Prof. Meghnad Saha, Prof. C.V. Raman, Srinivasa Ramanujan and Acharya Prafulla Chandra Ray.

The 1st World War and the world-wide economic depression caused a setback to scientific research globally - much more so in India whose scientists found it difficult even to publish their research work since they had to be almost entirely dependent on foreign journals. The post World War India also saw the rise of the freedom movement which incidentally also drew attention to the numerous problems of the Indian people like poverty, hunger, diseases, recurrent floods, droughts, famines etc. Patriotic scientists felt deeply concerned with these.

It was in this background that the idea of establishing a forum for scientists, which would bring them together to discuss and find scientific solutions to the problems of the country, was mooted in 1929 by Prof. Meghnad Saha, a great scientist, patriot and then Professor of Physics at Allahabad University. His views were published in December 1929 issue of the Allahabad University magazine in an article entitled 'A Plea for an Academy of Sciences'.

Thus, 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 (Prof. Ajoy Ghatak), Past Presidents and Fellows. As its Past Presidents, very distinguished scientists like Prof. M.S. Swaminathan, Prof. Manju Sharma, Prof. P.N. Tandon, Prof. Jai Pal Mittal, Prof. V.P. Kamboj, 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

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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. U.S. Srivastava, Dr. A.P. Mitra, Dr. S.Z. Qasim and Prof. S.K. Joshi, 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 1820 Members and 1856 Fellows from all parts of the country; including 17 Honorary Fellows and 106 Foreign Fellows from various disciplines of Science and Technology. The Academy is also recognized as the Professional Body of the DST and SIRO of the DSIR, Ministry of Science & Technology, 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;
- (c) 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;
- securing and managing funds and endowments for the promotion of science and technology;
- (g) organising a Science Library;

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

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(II) Council 2022

President

 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

Past Presidents

- 2. **Prof. G. Padmanaban,** PhD, DSc(hc), FNASc, FNA, FASc, FTWAS, FAMS, Former Director, Indian Institute of Science, Bangalore 560012
- 3. **Prof. Ved Prakash Kamboj,** PhD, DSc, FNASc, FNA, Mem NYASc, Honorary Scientist, Formerly Director, CDRI, Lucknow; Chairman, Board of Directors, Biotech Consortium India Ltd., New Delhi; Res. C-1111, Indira Nagar, Lucknow 226016;

Vice-Presidents

- 4. **Prof. Anurag Sharma,** PhD, FNASc, FNA, FASc, FNAE, Professor, Department of Physics, Indian Institute of Technology Delhi, New Delhi 110016;
- 5. **Prof. Saroj Kanta Barik**, PhD, FNASc, FNAAS, Director, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow 226001

Treasurer

6. **Prof. U.C. Srivastava,** D.Phil., Doctor of Neurophysiology (Pisa), FNASc, FIAN, formerly Emeritus Professor, Department of Zoology, University of Allahabad, Prayagraj – 211002

Foreign Secretary

7. **Dr. Amit Prakash Sharma,** PhD(Northwestern, USA), FNASc, FNA, FASc, FTWAS, Director, ICMR-National Institute of Malaria Research, Sector 8, Dwarka, New Delhi - 110077

General Secretaries

- 8. **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. Madhoolika Agrawal, PhD, FNASc, FNAAS, Professor & Head, Department of Botany, Banaras Hindu University, Varanasi - 221005

Members

 Prof. Anil Bhardwaj, PhD, FNASc, FNA, FASc, Director, Physical Research Laboratory, Navrangpura, Ahmedabad – 380009

11. **Prof. Dhrubajyoti Chattopadhyay,** PhD, FNASc, FASc, FWAScT, Vice Chancellor, Sister Nivedita University Kolkata, New Town, Kolkata - 700156

- 12. **Prof. Vimal Kumar Jain,** PhD, FNASc, Director, UM-DAE Centre for Excellence in Basic Sciences, Nalanda Building, University of Mumbai, Kalina Campus, Santa Cruz (E), Mumbai- 400098
- 13. **Prof. Ravindra Shripad Kulkarni,** PhD, FNASc, Bhaskaracharya Pratishthan, 56/14, Erandavane, Damle Path, Off Law College Road, Pune -411004
- Prof. Bhaskaran Pillai Mohan Kumar, PhD, FNASc, FNAAS, FNIE, FAS, Vice-Chancellor, Arunachal University of Studies (AUS), NH-52, Knowledge City, Namsai, AP - 792103
- 15. **Prof. Arun Kumar Pandey,** PhD, FNASc, FBS, FIAAT, FEHSST, Vice Chancellor, Mansarovar Global University, Kolar Road, Bhopal 462042
- Dr. Ajay Kumar Parida, PhD, FNASc, Director, Institute of Life Sciences (DBT, GOI), NALCO Square, Chandrasekarpur, Bhubaneswar-751023
- 17. **Prof. Vijayalakshmi Ravindranath,** PhD, FNASc, FASc, FNA, FTWAS, FAMS, Director, Center for Brain Research, Indian Institute of Science, Bangalore 560012
- Prof. Prasun Kumar Roy, MBBS, PhD, FNASc, Professor, Computational Neuroscience & Neuroimaging Lab, School of Biomed. Engg., IIT (BHU), Varanasi – 221005
- Dr. Renu Swarup, PhD, FNASc, Secretary to the Govt. of India, Department of Biotechnology, Ministry of Science & Technology, Govt. of India, Block 2, CGO Complex, Lodhi Road, New Delhi - 110003
- Prof. Nikhil Tandon, PhD(Cantab.), FNASc, FRCP(London), FAMS, FASc, Professor, Department of Endocrinology & Metabolism, All India Institute of Medical Sciences (AIIMS), Ansari Nagar, New Delhi- 110029
- 21. **Dr. Prabodh Kumar Trivedi,** PhD, FNASc, FNA, FNAAS, Director, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow -226015
- 22. **Prof. Hriday Narain Verma,** PhD, FNASc, FBS, FPSI, FISEB, Vice-Chancellor, Jaipur National University, Jagatpura, Jaipur 302017
- Prof. Sandeep Verma, PhD(Illinois), FNASc, FNA, FASc, FRSC, Secretary, Science and Engineering Research Board (SERB), New Delhi; JC Bose National Fellow, 5 & 5A, Lower Ground Floor, Vasant Square Mall, Sector-B, Pocket-5, Vasant Kunj, New Delhi 110070.

and a Nominee of the Secretary, DST, Gol

The Academy 7

(III) Activities of NASI (in a nutshell):

The mandate of the Academy is **Science and Society** as coined by its founder **Prof. Meghnad Saha**, a great scientist, visionary and the then Professor of Physics at the University of Allahabad. The Academy (NASI) organized various activities under the Presidentship of **Professor Ajoy K. Ghatak**, formerly at Indian Institute of Technology Delhi, during the year 2021-22. The noteworthy accomplishments undertaken with the kind cooperation of its Fellows and Members, and major (financial) support of the DST, New Delhi, during the year of report are as follows:

Celebration of Azadi ka Amrut Mahotsav

Hon'ble Prime Minister of India announced/started the celebration of 'Azadi ka Amrut Mahotsav' in 2021; following which the DST, GoI, has sent circulars to its AIs for organizing programmes for next 75 weeks to celebrate the same.

NASI wholeheartedly formulated the programme and started timely celebrations through organizing several programmes that have been held/being held. Several Fellows of the Academy also dedicated their articles to Amrut Mahotsav Programme.

Scientific Awareness Activities to combat the pandemic/malnutrition

Following the LAUNCH OF JAGRUKTA ABHIYAN FOR COVID-19 PANDEMIC, by the Hon'ble Prime Minister of India, a series of WEBINARS were launched by NASI under its "NASI-New Initiatives Programmes". Subsequently, the Academy organized more than two dozen Webinars under above stated Abhiyan.

The Academy also organized several activities for combating the menace of malnutrition in view of the the poor health status of women, children and the rural population of the society.

Celebration of Golden Jubilee of the DST

NASI has enthusiastically participated in the Golden Jubilee celebrations of the DST and a draft matter for the Coffee Table Book & film has been sent to the DST for inclusion in the programmes/activities which has also been uploaded on the website of NASI (http://nasi.nic.in/NASI-a%20Brief%20Write-Up.pdf).

A documentary film on NASI was also prepared with the kind cooperation of the 'Vigyan Prasar (New Delhi), which was launched on - https://www.indiascience.in/videos/5-july-2021-national-academy-of-sciences-e

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. National Academy Science Letters received Impact Factor (IF) as 0.788; PNASI, Sec. A received Impact Factor (IF) as 01.544; and The PNASI, Sec. B received CiteScore as 1.7. A nice book authored by Prof. Ajoy Ghatak, entitled 'The Ten Most Beautiful Experiments in Science', was also published.

Scientific Programmes/Celebrations to cultivate scientific temperament

It includes celebrations of the National Technology Day, the National Science Day, the National Constitution Day, the National Mathematics Day, International Women's Day and the World Environment Day etc. The Academy also encouraged the teachers for out-of-the-class science activities by recognizing their talent and giving away NASI-Science Teacher Awards to them.

Annual Session/Symposia/Seminars & Scientific Discussions

The Academy organizes an Annual Session and a Symposium every year to sensitize the PG students, researchers and young scientists from all over the country. The 90th Annual Session of the NASI, was organised on WEB (due to COVID-19 pandemic), on Feb. 25-27, 2021, which was attended by more than 300 dignitaries and the participants; a symposium on 'Towards a New Healthcare regime for the Nation', was also held during the session. Several scientific papers were presented in the session. Similarly, the 91st Annual Session was organized on Dec. 4-6, 2021; and a Symposium was held on 'Interface between Biological and Physical Sciences towards Atmanirbhar Bharat'. The recommendations are being finalized.

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Fellowship / Membership/Awards & Recognitions

The Academy awards the prestigious Fellowship/Membership to meritorious Indian scientists every year to recognize their outstanding scientific contributions in their respective fields. In the year 2021, more than 100 scientists, working in different areas of Science & Technology were selected from all across the country through rigorous screening/selection processes.

The Academy also awarded a few Foreign Fellowships to the scientists who are working in different countries and have actively collaborated with scientists in India.

Several Awards & Recognitions were also given to the young researchers/scientists; as well as to the scientists of repute for their noteworthy contributions in the field of 'Science & Technology'.

Significant Scientific/Research Contributions by the NASI Honorary Scientists

NASI has made provisions of the Chairs/Senior Scientists/Hony. Scientists for involving superannuated Fellows of the Academy for their active & significant scientific contributions to science in general and to the society, in particular, as per its 'Science & Society' mandate. Notable contributions of NASI Honorary Scientists are published (in brief) in the Annual Reports of the Academy. Evidently, the NASI is recognised as SIRO by the DSIR, GoI on the basis of such noteworthy contributions of the Academy.

Singhania Library

Library services were enriched through digitization of the library and subscribing more books. The library is connected to National Knowledge Network (NKN). Free of cost Internet facility is also being provided to the students and research scholars.

Galleries to spread awareness about conservation of natural resources

NASI has made scientific galleries on Ganga, Brahmaputra and Cauvery at Prayagraj, Guwahati and Mysuru, respectively. These galleries are equipped with enormous scientific information in interactive domain. The exhibits are dynamic and depict scientific

and logical demonstrations/explanations on various natural phenomenon, to cultivate scientific temperament and enthuse the visitors to conserve our nature.

NASI-Chapters

Total 22 Chapters have been established all across the country to spread the message of NASI - Scientific Awareness for the improvement of the society.

Major and Unique National Facilities serving the nation:

The Ganga-gallery (IGNOU, New Delhi has included the gallery in its syllabus/projects; UP Tourism and Consortium of IITs have also included the gallery on their websites) and the Brahmaputra gallery created by NASI to make the people aware about the conservation of the rivers & our natural resources, have been dedicated to the nation, and serving the society; while the third on river Cauvery has also been established recently at Mysuru. The library of the Academy is also serving our nation for more than 90 years; it is connected with the National Knowledge Network (NKN).

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 2000, 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

 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.
- 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.
- 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.
- 5. 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 100, 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.
- 3. 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
 - i) 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 -

- 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 eligible 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 from recommendations emanating 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. 16th 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 150th 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.
- 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	1975-1974
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
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	2015-2014
Prof. Anii Kakodkar	2017-2018
Prof. G. Padmanaban	2019-2020

PAST GENERAL SECRETARIES

- 1931 Late Prof. P.S. MacMohan Late Prof. A.C. Banerji
- 1932 Late Prof. P.S. MacMohan Late Prof. A.C. Banerii
- 1933 Late Prof. P.S. MacMohan Late Prof. A.C. Banerii
- 1934 Late Prof. P.S. MacMohan Late Prof. A.C. Banerji
- 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		Prof. Pramod Tandon
	Late Prof. P.T. Narasimhan	2003	Late Prof. H.C. Khare
1981	Late Prof. H.C. Khare		Prof. Pramod Tandon
	Late Sri Maheshwar Dayal	2004	Late Prof. H.C. Khare
1982	Late Prof. H.C. Khare		(Till 7th Feb.2004)
	Late Sri Maheshwar Dayal		Dr. V.P. Kamboj
1983	Late Prof. H.C. Khare		(From 7th Feb.2004)
	Late Sri Maheshwar Dayal		Prof. Pramod Tandon
1984	Late Prof. H.C. Khare	2005	Prof. P.K. Seth
	Late Dr. K.N. Mehrotra		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

1992 Late Prof. H.C. Khare

1993 Dr. Om Prasad

1994 Dr. Om Prasad

1995 Dr. Om Prasad

1996 Dr. Om Prasad

Dr. (Mrs) Manju Sharma

Dr. (Mrs) Manju Sharma

Prof. Sandip K. Basu

Prof. Sandip K. Basu

Prof. Sandip K. Basu

Prof. Sandip K. Basu

2013 Prof. (Mrs.) Krishna Misra Prof. J.P. Khurana
2014 Prof. U.C. Srivastava Prof. (Mrs.) Veena Tandon
2015 Prof. U.C. Srivastava Prof. (Mrs.) Veena Tandon
2016 Prof. U.C. Srivastava Prof. (Mrs.) Veena Tandon
2017 Prof. U.C. Srivastava Prof. (Mrs.) Veena Tandon
2018 Prof. (Mrs.) Veena Tandon

2012 Prof. (Mrs.) Krishna Misra

Prof. J.P. Khurana

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)
1076	Late Prof.U.S. Srivastava		Late Prof. H.C. Khare
1370	Late Prof.R.S. Kushwaha		(From 1st Feb.1999)
1077	Late Prof. Krishnaji		Dr. V.P. Kamboj
1977		2000	Late Prof. H.C. Khare
4070	Late Prof. P.T. Narasimhan	2000	
1978	Late Prof. Krishnaji	0004	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		Prof. Pramod Tandon
	Late Prof. P.T. Narasimhan	2003	Late Prof. H.C. Khare
1981	Late Prof. H.C. Khare		Prof. Pramod Tandon
	Late Sri Maheshwar Dayal	2004	Late Prof. H.C. Khare
1982	Late Prof. H.C. Khare		(Till 7th Feb.2004)
	Late Sri Maheshwar Dayal		Dr. V.P. Kamboj
1983	Late Prof. H.C. Khare		(From 7th Feb.2004)
	Late Sri Maheshwar Dayal		Prof. Pramod Tandon
1984	Late Prof. H.C. Khare	2005	Prof. P.K. Seth
	Late Dr. K.N. Mehrotra		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
.000	Late Dr. K.N. Mehrotra	_00.	Prof. Akhilesh K. Tyagi
1987	Late Prof. U.S. Srivastava	2008	Prof. P.K. Seth
1007	Late Dr. K.N. Mehrotra	2000	Prof. Akhilesh K. Tyagi
1088	Late Prof. U.S. Srivastava	2009	Prof. (Mrs.) Krishna Misra
1300	Dr. (Mrs) Manju Sharma	2003	Prof. Akhilesh K. Tyagi
1080	Late Prof. H.C. Khare	2010	Prof. (Mrs.) Krishna Misra
1909	Dr. (Mrs) Manju Sharma	2010	Prof. J.P. Khurana
1000	Late Prof. H.C. Khare	2011	Prof. (Mrs.) Krishna Misra
1990	Dr. (Mrs) Manju Sharma	2011	Prof. J.P. Khurana
1001		2012	
1991	Late Prof. H.C. Khare	2012	Prof. (Mrs.) Krishna Misra
4000	Dr. (Mrs) Manju Sharma	0040	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 Tandon
1994	Dr. Om Prasad	2015	Prof. U.C. Srivastava
	Prof. Sandip K. Basu		Prof. (Mrs.) Veena Tandon
1995	Dr. Om Prasad	2016	Prof. U.C. Srivastava
	Prof. Sandip K. Basu		Prof. (Mrs.) Veena Tandon
1996	Dr. Om Prasad	2017	Prof. U.C. Srivastava
	Prof. Sandip K. Basu		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

Prof. Paramjit Khurana

OTHER OFFICERS OF THE ACADEMY

(From January 1, 1981)

Vice-Presidents

Tenure of Office

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

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

Foreign Secretaries

```
Late Prof. N.R. Dhar
                                 Jan. 1981 - 31 Dec. 1982
Late Prof. Krishnaji
                                 Jan. 1983 -
                                               31 Dec. 1983
                                 Jan. 1984 -
                                              31 Dec. 1986
Late Prof. D.B. Chandra
                              1
Late Prof. H.C. Khare
                                 Jan. 1987 -
                                              31 Dec. 1988
Dr. C.B.L. Srivastava
                              1
                                 Jan.
                                       1989 -
                                               31 Dec. 1990
                                              10 Feb. 1993
Dr.(Miss) Dipika Kaul
                                       1991 -
                              1
                                 Jan.
                                               31 Dec. 1994
Prof. Alok K. Gupta
                                 Feb. 1993 -
Prof. C.B.L. Srivastava
                                 Jan. 1995 -
                                               31 Dec. 1996
Dr. Om Prasad
                                 Jan. 1997 -
                                              26 July 1997
                              1
Late Dr. V.P. Sharma
                              27 July
                                       1997 -
                                              31 Dec. 1998
Prof. Jai Pal Mittal
                                 Jan. 1999 -
                                               31 Dec. 2000
                                 Jan. 2001 -
Prof. Kasturi Datta
                                              31 Dec. 2002
Dr. S.E. Hasnain
                              1
                                 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
                              1
                                 Jan. 2013 -
                                               31 Dec. 2014
Prof. N.R. Jagannathan
                              1
                                 Jan. 2015 - 31 Dec. 2016
Prof. Pramod K.Garg
                                 Jan. 2017 - 31 Dec. 2018
                              1
                                 Jan. 2019 - 27 Feb. 2021
Prof. P.N. Rangarajan
```

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.
- 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

Name, Designation and Address

Year of

Election

1978

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 2000 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.Ďelhi); Email: murli@sansad.nic.in; Sp. Spectroscopy. 1980 KRANZ, Jurgen (b. 1925) Ph.D., Formerly Professor, Dept. of Phytopathology & Appl. Entomology, Justus-Liebig-Universitat;

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

Diseases/ Tropical Plant Diseases.

Res. 35394 Giessen, F.R. Germany, Rehschneise 75; Tel. (0641) 492836; Fax: 43875(R); Sp. **Epidemiology of Plant**

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, Formerly 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.

- SHARMA, Man Mohan (b. 1937) PhD, DSc(hc), LLD, FNA, FASc, FRS, FTWAS, AcSIR Academy Professor, Kothari Research 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. (022) 25291539(R); 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).
- 2017 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;
- 1975 SWAMINATHAN, Monkombu Sambasivan (b. 1925) PhD (Cambridge),DSc(Massachusetts),DSc,FNA,FASc,FRS,FTWAS FNAAS, Former MP(Rajya Sabha), Chairman, National Commission on Farmers, Govt. of India; UNESCO Professor in Ecotechnology, M.S. Swaminathan Research Foundation, 3rd Cross Street, Taramani, Chennai 600113; Formerly Director General, INTL Rice Research Institute, Manila, Philippines; Res. 21, Rathna Nagar, Teynampet, Chennai 600018; Tel. (044) 22542790, 22541229, 22541698(O), 24345312(R); Fax: 22541319; Email:swami@mssrf.res.in; founder@mssrf.res.in; Website: www.mssrf.org; Sp. Cytogenetics/Sustainable Agriculture/Ecoconservation.
 - Award: Dr. B.P. Pal Memorial Lecture Award-Nat.Acad. Sci.India (1991).
 - Council: Pres. 89-90 P.Pres. 91
- 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(O), 23712512, 23713137(R); Fax: 23231095; Email: varadr@gmail.com; esoffice@insa.nic.in; Sp. Organic and Biological Chemistry and Technology.

Honorary Fellows 67

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 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.

Foreign Fellows 69

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) Ph.D.(Chicago), 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.

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 and Deputy Pro Vice-Chancellor (International), 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 BLAKEMORE, 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.

2008 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.

Foreign Fellows 71

1998 CHEETHAM, Anthony Kevin (b. 1946) D.Phil. (Oxon.), FRS, Professor of Materials Science, Department of Materials Science & Metallurgy, University of Cambridge, Pembroke Street, Cambridge CB2 3QZ; Tel. (+44) 1223-767061(O); Fax: 1223-334567; Email: akc30@cam. ac.uk; Sp. Chemistry of Materials.

2001 CIARLET, Philippe G. (b. 1938) Ph.D., D.Sc., University Distinguished Professor, Department of Mathematics, City University of Hong Kong, 83, Tat Chee Avenue, Kowloon, Hong Kong; Tel. 852-3442-2175(O); Fax: 3442-0250; 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.

2012 DEEN, Mohamed Jamal (b. 1955) Ph.D., FRSC, FINAE, FCAE, FIEEE, FAPS, FAAAS, Professor, Electrical & Computer Engineering Department, 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); Fax: 523 4407; Email: jamal@mcmaster.ca; jamal@mail.ece.mcmaster.ca; Sp. Nanoelectronics/Optoelectronics/Nanotechnology.

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

2016 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) 76549473(O), 76902227(R), (00-33-6) 70783789(M); Fax: 76549595; Email: stefan.dimitrov@univgrenoble-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), 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 Mechanics, University of Karlsruhe, KaiserstraBe 12, 76131 Karlsruhe, Germany; Res. Eichenstrasse 12. 91094 Langensendelbach, Germany: Tel. +49-1728565359, 9133-5790(R); Fax: +49-91333214; Email: f.durst@fmp-technology.com; Website: www.fmp-technology. com; Sp. Fluid flow measuring techniques with emphasis laser Doppler and phase anemometry/Numerical fluid mechanics with emphasis on method developments/Turbulence with emphasis on anisotropic turbulence/Transition of pipe flows/Coating and drying of thin fluid films.
- 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.
- 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, Institut des Sciences Chimiques de Rennes, CNRS UMR 6226, Universite de Rennes 1, Avenue du General Leclerc, 35042 Rennes-Cedex, France; Res. 52 Boulevard De Dezerseul, 35510 Cesson-Sevigne, France; Tel. (+33)(0) 223235715(O), 299833374(R); Fax: 223236978; Email: rene.gree@univ-rennes1.fr; Sp. Organic/Applied Chemistry.

Foreign Fellows 73

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.
- JAGADISH, Chennupati (b. 1957) PhD,MNAE(US),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., FCSSA, 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.), Vice President (Research & International) and Distinguished Professor, 207 Administration Building, 66 Chancellors Circle, University of Manitoba, Winnipeg, MB, Canada R3T 2N2; Res. 49, Westwater Drive, Winnipeg, MB, Canada R3X 2G2; Tel. 001-204-4749404(O), 2540637(R); Fax: 4747568; Email: digvir.jayas@umanitoba.ca; Sp. Grain Storage/Grain Drying/Grain Quality Monitoring.
- 2010 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; Tel. +41-61-2673510(O); 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.
- 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;
- 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.**

Foreign Fellows 75

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.

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.

2012

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.jp; Sp. Photochemistry/Laser Fabrication/ Time resolved Spectroscopy.

MATHUR, Sanjay (b. 1968) PhD, Director & Chair Professor, 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@unikoeln.de; Sp. Inorganic Chemistry/Processing of Nanomaterials/Surface Engg. Technologies.

MITRA, Sanjit Kumar (b. 1935) Ph.D.(California), FNAAS, FINAE, FIEEE, FNAI(USA), Research Professor, 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; skmitra@usc.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 Uenoshiba 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, Ph.D., 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 and Inforamtion Technology.

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

1995 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. 98115, 5438297; Sp. gnester@u.washington.edu; 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.

2005 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, Special Appointment Professor, Kansei Fukushi Research Center, Tohoku Fukushi University, Aobaku, Sendai, Japan 989-3201; Tel. 81-467-31-4350(R); Email: ogawa-s@tfu-mail.tfu.ac.jp; s.ogawa33@nifty.com; Sp.

Functional MRI.

Foreign Fellows 77

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.

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 O₂ Sensing Biological Sciences Division, University of Chicago, MC5068, Room N711, Chicago, IL60637, USA; Res. 5230 Unith South University Avenue, Chicago, IL60615, 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, Head, Mucosal Immunology & Vaccinology Unit, Infectious Diseases Division, 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.+880-2-9827035(O), +8801711595367(M); Fax: +880-2-9827035; 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, 17143, Hidden Valley Forest Drive, Wildwood, Missouri 63025-2367, USA; Tel. 314-302-1556; Email: peter.raven@mobot.org; Sp. Plant Sciences/Conservation.

2013 **REDDY, Anireddy S.N.** (b. 1956) M.S., Ph.D., FAAAS, FASPB, Professor, Department of Biology and Program in Cell Molecular Plant Biology, Colorado State University, Fort Collins, CO 80523, USA; Tel. 970-491-5773(O); Email: reddy@colostate.edu; Sp. **Plant Sciences/Plant Molecular Biology/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 Lanugage System.

Foreign Fellows 79

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, 2012 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; Immunology/Infectious Diseases/Vaccines.

SCHWARZ, Helmut (b. 1943) Professor of Chemistry, TU Berlin, Institute of Chemistry, Sekr. C4, Strasse des 17. Juni 115, 2012 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.

2009 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.

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

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); 1995

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

SISODIA, Sangram Singh (b. 1956) Ph.D., FAAAS, FRSAS, 2010 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

SOMASUNDARAN, Ponisseril (b. 1939) PhD, Professor & Director, Langmuir Center for Colloids & Surface, School of Engineering 2021 and Applied Science, Columbia University, New York, NY

10027, USA; Email: ps24@columbia.edu; STAROBINSKY, Alexei A., (b.1948) Hon.D.Sci., PhD, Academician 2013 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@ alstar@itp.ac.ru; Sp. Cosmology/General landau.ac.ru, 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.
- 1999 VARGAS, Jose I., Former President, The Third World Academy of Sciences, Abdus Salam International Centre for Theoretical Physics, Trieste, Italy.
- 1991 VARMA, Shambhu Dayal (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.**
- WADHWA, Renu (b. 1961) PhD(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,lbaraki 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.
- 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.
- 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.

Foreign Fellows 81

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;

Experimental Petrology, Granite Carbonatite.

2018 XU, Qiang (b. 1964), PhD, 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); Molecular Sp.

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: Differential yau@math.harvard.edu; Sp. Geometry/ Differential Equations and General Relativity.

ZAIDI, Mone (b. 1960), MD, PhD, DSc(hc), MD(hc), MACP, FRCP, 2018 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; CSIR Emeritus Professor, Centre for Pollution Control & Environmental Engineering, Pondicherry University, Pondicherry - 605014; Res. 'Green House', Chinnakalapet, Pondicherry - 605014; Tel. (0413) 2655263, 09443265262(M); Email: abbasi.cpee@ gmail.com; Sp. Environmental Engineering/Energy Studies/Environmental Science/Process Safety/Bioprocess Engineering.
2021	ABHILASH, Purushothaman C. (b. 1978) PhD, FNAAS, Assistant 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 for 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 Soil 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. Soil Physics/Soil Conservation/Water Management.

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Council: Mem. 77-80

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- 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.
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- 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', 5th Cross, 1st 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.
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- 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.
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Council: Mem. 2020-21

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Council: V.P. 2015-16

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Council: Mem. 2004, 2009-10

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Council: Mem. 2011-12

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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.

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Biochemistry/Free Radical Metabolism.

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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. (0172) 2747990(O), 2715916(R); Fax : 2744401; Email :

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2013 CHAKRABARTI, Manoj Kumar (b. 1952) PhD,FAŠcT, 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.

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Biological Chemistry.

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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.

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- 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.

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- 2006 CHAMYAL, Laxman Singh (b. 1959) PhD, FGSA, 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) 2785560(O), 2787907(R), 09426721547(M); Fax: 2795569; Email: Ischamyal @yahoo.com; Sp. Quaternary Geology/Neotectonics.
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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.**
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- 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), (040) 27423675(R), 09848035908(M); Email : dstsec@nic.in; srivaric@iict.res.in; srivaric@gmail. com; Sp. Natural Product Synthesis/Green Chemistry/Drug Discovery.

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Council: Mem. 2011-12

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Council: Mem. 2015-16

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Council: Mem. 2016-17

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- 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), Professor, Department of Pharmacology, Institute of PG Medical Education and Research, 244 Archarya 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.
- 2001 CHATTERJEE, Rabindra Nath (b. 1950) PhD, DSc, FAScT, FZSI, FZS, 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(M); Email: chatterjee_rn@yahoo.co.in, chatter jeeerncu@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.
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Council: Mem. 2022-

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- 2017 CHATTOPADHYAY, 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: samit@iicb.res.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.
- 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.

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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.**

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. 1, Type 5A Flats, University of Delhi South Campus, New Delhi - 110 021; Tel. (011) 24115883(O), 09811800434(M);Email: vkchaudhary@south.du.ac.in; vijkum chau@gmail.com; Sp. Biochemistry/Protein Engineering.

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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); Email chaudhuriks@gmail.com; Sp. Operations Research/ Ecology/History of Mathematical 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.

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- 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.
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- 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@ gmail.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 (Scientist E), 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), 64611309(R), 09830660999(M); Fax: 23632398, 23705066; Email: chawlam70@gmail.com; chawlasarkar.m@icmr.gov.in; Sp. Molecular Virology/Cell Biology/Immunology.

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Analytical Chemistry.

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2019 CHERUKUMALLI, Srinivasa Rao (b. 1965) PhD, FNASI,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.

CHHABRA, Rajendra Prasad (b. 1953) PhD, FNAE, FASc, FNA, Visiting Professor, Dept. of Chemical Engineering, Indian Institute of Technology Ropar, Nangal Road, Rupnagar - 140001; 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(O), 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; director@iifpt.edu.in; Sp. Food Engineering/Chemical Engineering/Food Nanotechnology.

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

Taxonomy/Metabolism.

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Award: Dr. BP Pal Memorial Lecture Award - Nat. Acad. Sci. India (2001). 2008 CHOUDHURI, Arnab Rai (b.1956) PhD(Chicago), FNA, FASc, FTWAS, Professor, Department of Physics, Indian Institute of Science, Bangalore - 560012; Res. DQ-5, New Housing Colony. IISc Campus, Bangalore - 560012; Tel. (080) 23603481(O), 23603664(R), 09900551702(M); Email: arnab@iisc.ac.in; Sp. Astrophysics/Solar Physics/Magneto-Theoretical hydrodynamics/History of Science.

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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, FASCE, FIE, FIGS,FISET, Prof. T. Kant Chair Professor & Head, Dept. of Civil Engineering, IIT Bombay, Powai, Mumbai - 400076; Res. B-213, Aravali Building B 23, Hill Side, IIT Bombay, Powai, Mumbai - 400076; Tel. (022) 25767335(O), 4307(L), 25768335 (R), 09969274031(M); Fax: 25767302; Email: dc@civil.iitb. ac.in; dchoudhury@iitb.ac.in; Sp. Civil Geotechnical Earthquake Engineering/Computational Geomechanics/Foundation Engineering.

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.

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

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

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

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Council: Mem. 91-92

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- 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.

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. 38, Shreeniketan, Anushaktinagar, Mumbai - 400094; 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.

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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, Rajat 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, 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.

2017

2011 DHAR, Suman Kumar (b. 1968) PhD, FASc,FNA, Professor, Special Centre for Molecular Medicine, Jawaharlal Nehru 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.

2001 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. P-2, Staff Quarters, Palkalai Nagar, Madurai-625021; Tel. (0452) 4356550(O), 2459636(R); Fax: 2530984; Email: dharmalingam.k@gmail.com, kdharmalingam@aravind. org; Sp. Genetic Engineering/Biotechnology/Proteomics of Eye Diseases.

2011 DHAVALE, Dilip Dattatray (b. 1956) PhD,FASc, 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: dilip.dhavale@unipune.ac.in; 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) 2495034(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.

2020 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.

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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.

1991 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, FASc, NASI Senior Scientist, 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.

2002 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, NCR Biotech Science Cluster, 3rd Milestone, Faridabad-Gurgaon Expressway, Faridabad, Haryana 121001; Tel. (0129) 2876448(O), 09415111766, 06393782190(M); Email: madhudikshit@thsti. res.in; drmadhudikshit@gmail.com; Sp. Biochemical & Molecular Pharmacology.

Council: 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@mail.jnu.ac.in; 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, Director General, Uttarakhand State Council for Science & Technology, Vigyan Dham, Jhajra, Dehradun 248007; Res. E-108, Pacific Apartments, Near Anurag Nursery, Dehradun 248006; Tel. (0135) 2102768-70(O), 2762122(R); Fax: 2769972; 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.

2015 DONIHAKALU, Nagaraj Shankar (b. 1958) PhD, FNA, FASc, Professor, IISER Tirupati, Rami Reddy Nagar, Karakamabadi Road, Mangalam (PO), Tirupati - 517507; 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.

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2017 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, INSA Senior/
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Infections.

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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.

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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.

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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.

1989 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.; DST Year of Science Chair Professor, Honorary 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) 23601429, 22932340(O), 23089677(R); Fax: 23601428; 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, Indian Institute of Science Education & Research, Dr. Homi Bhabha Road, Pune - 411008; Res. B-1004, Dr. Homi Bhabha Road, IISER Campus, Pune - 411008; Tel. (020) 25908060(O), 09923363737(M); Email : sanjeev@iiserpune.ac.in; sanjeevgalande@gmail.com; Sp. Cell and Molecular Biology.

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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.

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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@ ashok@chemistry.iitd.ac.in; gmail.com; 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, 2003 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.

1993 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

2020

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.

GARG, Pramod Kumar (b. 1963) MBBS, MD, DM, FNA, FASc, FAMS, FRCP(Glasg), Executive Director, Translational Health Science & Technology Institute, Faridabad; Professor, Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi - 110029; 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

- 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.
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 gmail.com; director@neist.res.in; Sp. Theoretical Chemistry/
 Computational Chemistry/Computational Biology/
 Chemoinformatics.
- 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, 30th Cross, 7th 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.
- 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, Emeritus Scientist CSIR, Developmental Biology Group, MACS-Agharkar Research Institute, Pune 411004; Res. 2 Basant Bahar Apartments, 119 B Prabhat Road, Pune 411004; Tel. (020) 25325063(O), 25447652(R), 09822659155(M); Fax: 25651542; Email: ghaskadbi@ gmail.com; Sp. Developmental Biology/Cell Biology/Evolution.
- 1977 GHATAK, Ajoy Kumar (b. 1939) PhD(Cornell), President, 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-
- 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.
- 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. 46, Satish Mukherjee Road, Kolkata-700026; Tel. 09331010722(M); Email: partha.ghose@gmail.com; Sp. Foundations of Quantum Theory.

2002 GHOSH, Amitabha (b.1941) DPhil,DSc(h.c.),FIE,FNAE,FASc,FNA, NASI Honorary Scientist, INSA Honorary Scientist & Honorary Distinguished Professor, Aerospace Engineering and Applied Mechanics Department, Indian Institute of Engineering Science & Technology, Shibpur, PO Botanic Garden, Howrah - 711103; Formerly NASI Senior Scientist; Res. Flat - D2, 'Kalpataru Apartment', 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.

1992 **GHOSH, Amit** (b. 1944) PhD, DSc(hc), FASc, FNĀ, FBRS, 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, Professor, Centre for Polymer Science & Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016; Res. 37 Vikramshila Apts, IIT Delhi, Hauz Khas, New Delhi - 110016; Tel. (011) 26591424(O), 26591566(R), 09810432622(M); Fax: 26591421; Email: akghosh@polymers.iitd.ernet.in; anupkghosh@gmail. com; Sp. Polymer Science & Engineering/Chemical Engineering.

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, 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); Fax: 27667471; Email: bghosh@igib.res.in; 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, Senior Principal Scientist, Molecular & 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/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.
- GHOSH, Mrinal Kanti (b. 1966) PhD, FAScT, Senior Principal Scientist (F), 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 Across the BBB.
- 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, FNAAS, FISA, FISPP, FWAST, National Coordinator, NAHEP, Agril. Education Div., ICAR, Krishi Anusandhan Bhawan-II, Pusa, New Delhi-110012; Former Director, ICAR-Indian Grassland & Fodder Research Institute, Jhansi; Tel. (011) 25848772(O), 09453042870(M); Email: ghosh_pk2006@yahoo.com; pkgiipr@gmail.com; Sp. Agronomy/Conservation Agriculture and 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.**

- 2015 GHOSH, Sankar Kumar (b. 1963) PhD, Professor, Biotechnology, Assam University, Silchar; Former Vice Chancellor, University of Kalyani, Nadia; Res. 28/2G, Nakuleswar Bhattacherjee Lane, Kalighat, Kolkata 700026; Tel. 09435372338, 09830134306 (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 Road, Kolkata 700029; Tel. (033) 24404694(R), 09433130313(M); Email: sibdasghosh@gmail.com; Sp. **Cell Biology/Cytogenetics.**
- 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.**
- 2001 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, INSA-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, Chair & Principal Scientist, Biochemical Sciences Division, CSIR-National Chemical Laboratory, Pune 411008; Res. E5, NCL Colony, Dr. Homi Bhabha Road, Pashan, Pune 411008; Tel. (020) 25902710, 25902237(O), 25888281(R), 09850942695(M); Fax: 25902648; 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.
- 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.
- 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.
 GOHIL, Ravinder Nath (b. 1946) PhD,FBS, Formerly Professor,
- 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, Scientist, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Res. H-8, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi - 110067; Tel. (011) 26703545, 26715015(O), 26741452(R), 09811559987(M); Fax: 26717121; Email: rsg@nii.ac.in; Sp. Immunometabolism, Tuberculosis, Vitiligo.

2014 GOPAKUMAR, Rajesh (b. 1967) PhD, FNA, FASc, FTWAS, Senior 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.

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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 GOPÁLA 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) 25247584(R); Fax: 25247817(R), 09845338134(M); Email : gomathygopinathnair@gmail.com; gomathyg@hotmail.com; Sp. Neurosciences/Neurobiology.

2004 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.

2014 GOSWAMI, 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, 2000 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.

1995 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

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; Émail : 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/ Neurophysiology/ Neuroepidemiology.

1979 GOVIL, Narendra Kumar (b. 1940) PhD(Montreal), 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) 23089166(R), 08106671309(M); Email: 46536000(O), rama.govindarajan@gmail.com; rama@icts.res.in; Sp. Fluid Dynamics.

Council: Mem. 2020-21

2019 GOVINDASAMY, Sekar (b. 1971) PhD,FRSC, Professor, 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: 244-7246; Email: gov@illinois.edu; Sp. Photosynthesis/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, Director, Indian Institute of Science Education and Research (IISER) – Mohali, Sector 81, Knowledge City, Manauli PO, SAS Nagar, Mohali - 140306, Punjab; Res. D-1, Director's Office-cum-Residence, IISER, Mohali; Tel. (0172) 2240266(O), 2240113(R), 09160430111(M); Fax: 2240124; Email: director@iisermohali.ac.in; lbg@cdfd.org.in; Sp. Microbial Genetics/Molecular Biology.

1989 GOYAL, Anand Narayan (b.1936) PhD, D.Sc., F.R.A.Sc. (Pilani), 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. Pharmacology/Basic and Clinical Medical Sciences.

1999 **GROVER, Anil** (b. 1958) PhD, FNA, FASc, FNAAS, Senior Professor, Department of Plant Molecular Biology, University of Delhi South Campus, Dhaula Kuan, New Delhi - 110021; Res. C1/96 Janakpuri, New Delhi - 110058; Tel. (011) 24117693, 24115097(O), 43090777(R), 09871618167(M); Email : anil.anil grover@gmail.com, agrover@south.du.ac.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, 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.**
- 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 Delhi, 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 - 721302; 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.

1991 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, 3rd 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.

GUPTA, Harsh Kumar (b. 1942) PhD, FNA, FTWAS, FAGU, Member, Atomic Energy Regulatory Board, National Geophysical Research Institute, Uppal Road, Hyderabad – 500007; Currently President, GSI; Immediate 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),27155971(R); 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 **GUPTA, 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; kcgupta@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 Valued Sequence Spaces, 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, Associate 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. 09818467906(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.**
- 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.
- 1991 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.

1970 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, ICMR Emeritus Scientist, Indian Council of Medical Research, V. Ramalingaswami Bhawan, Ansari Nagar, New Delhi 110029; Res. KG-04, Aura Mahindra, Bajghera Road, New Palam Vihar, Sector 110A, Gurgaon 122017; Haryana; Tel. (0124) 4905491(R), 09810966357(M); Email : skgupta.nii53@gmail. com; Sp. **Reproductive Immunology/Vaccines/Antibody Engineering.**
- 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; Émail: suvidya456@gmail.com; Sp. Control & Instrumentation/ Space Technology.

Awards: SICO sponsored National Academy of Sciences, India

Award for Instrumentation (1989). **GUPTA, Suresh Chandra** (b. 1939) MD, MACPath(London), 1990 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

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GUPTA, Vinod Kumar (b.1953) FWIF, FRSC, Former Professor & 2008 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.

GUPTA, Virendra Kumar (b. 1960) PhD, Senior Vice President, 2021 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 Science/R&T

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);

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, FASc, 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.

GUPTA, Yogendra Kumar (b. 1953) MBBS, M.D., FAMS, FST, FIPS, Professor & Head, Department of Pharmacology, All India 2008 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.

- 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. (022) 25767465(O), 25700062(R) 09004506661(M); Fax: 25723480; Email: gurjar@math.iitb.ac.in; rv.gurjar50@gmail.com; Website: www. math.iitb.ac.in;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; Sp. Gastroenterology/Hepatology.
- 2015 HABIB, Saman (b. 1968) PhD, FASc, FNA, Chief Scientist, Division of Molecular & 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. Malaria 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) 26314555(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; Sp. Asymmetric Synthesis/ Asymmetric Catalysis/Diversity Oriented Synthesis (DOS)/Stereo-divergent Synthesis of Compounds with Multi-Stereocenters.

1993 HANDA, Sukhdev Swami (b. 1940) M.Pharm.,PhD(Lond.), 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.

1998 HANS-GILL, Rajinder Jeet (b. 1943) PhD (USA), FNA, FASc, 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.

2007 HARINARAYANA, Kota (b. 1943) PhD, FNAE, FASc, FNA, SERB 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.

1992 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; Tel. (011) 26548498(O), Email: seh@dbeb.iitd.ac.in; sehiitd@gmail.com; seyed.hasnain@sharda.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.

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, Scientist G & Director-in-Charge, ICMR-National Institute of Traditional Medicine, Nehru Nagar(Opp.KLE Hospital), Belagavi - 590010; Res. No.110, Vinayak Galli, Kangrali B.K., Shahu Nagar, Belagavi-590010; Tel.(0831) 2475477,2477477(O),2478911(R), 08105536970(M); Fax: 2475479; 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; 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 IYENGAR, Rangachar Narayana (b.1943) PhD, FASc. FNAE, FGSI, Distinguished Professor & Director, Centre for Ancient History & Culture; Jain University, CMS Complex 25th Main, JP Nagar, 6th 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, Java 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.) 1998 (Lond.), FNA, FASc, FNAE, FIIM, FACerS, NASI Senior Scientist and 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), 25252765(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/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) 2401061(R); Fax:2700528; 2700920/21-301(O), Email: ahmadkjafri@yahoo.com; Sp. Fishery Science/ Fish Bio-

chemistry/Aquaculture Nutrition.

2000 JAGANNATHAN, N.R. (b. 1954) PhD, FASc, FAMS, FNA, FISMRM(USA), FISC, JC Bose National Fellow & Professor of Eminence, Department of Radiology, Chettinad Hospital & Research Institute, Kelambakkam, Chengelpet Dist. - 603103, TN; Res. Villa # B-7, Chettinad Health City, Rajiv Gandhi Salai (OMR), Kelambakkam, Kanchipuram Dist. - 603103, TN; Tel. 09968292772(M); Email : nrjgj@yahoo.co.in; jagan1954@hotmail.com; Sp. Clinical and Pre-clinical Cancer Research Molecular Imaging (MRI) & in-vivo scopy/Functional MRI Studies/Metabolo Studies/Metabolomics/ Spectroscopy/Functional 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. 1997

JAIN, Ashok(b.1938) PhD, Formerly Director, NISTADS; Res. 527, Pocket B, Sarita Vihar, New Delhi - 110076; 09810189116(M); Email: ashokexnistads@gmail.com;

Mathematical Modeling/Science & Society.

1995 JAIN, Dharam Vir Singh (b.1933) PhD,FNA, FASc, Formerly 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, 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).
- 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), 26132575(R); Email: mjain@jnu.ac.in; mjainanid@gmail.com; Sp. Plant (Epi) Genomics/Genome Informatics/Biotechnology.
- 2016 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; 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, Professor & Head, Department of Biotechnology, Dr. HS Gour Vishwavidyalaya, Sagar 470003; Res. 271/9, Manorama Colony, Madhukarshah Ward, Sagar 470001; Tel. (07582) 261910(O), 237175(R), 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, Vimal Kumar (b.1956) PhD, 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) 26524989(O), 79609887(R), 09757000357(M); Fax: 26521739; Email: jainvk@cbs.ac.in; Sp. Inorganic & Organometallic Chemistry.

Council: Mem. 2022-

1990 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.

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. 18/279, Indira Nagar, Lucknow-226016; Tel. 07499152486(M); Email: mohan.jauhari@gmail.com; Sp. Forensic Ballistics/High Speed Photography/Quality Testing and Evaluation of Materials and Products.

2017 JAYANANĎA, Mudlappa (b. 1959) PhD,FASc, FNA, Professor, 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.

JAYANNAVAR, Arun Mallojirao (b. 1956) PhD, FNA, FASc, Senior Professor, Institute of Physics, PO Sainik School, Bhubaneswar- 751005; Res. Institute of Physcis, PO Sainik School, Bhubaneswar - 751005; Tel. (0674) 2306424(O), 09937203925(M); Fax: 2300142; Email: jayan@iopb.res.in; Sp. Theoretical Condensed Matter Physics/Classical & Quantum Transport/Mesoscopic Systems/Stochastic Processes.

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.

JEMMIŚ, 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, 8th 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 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-800001; Tel. 09427232120, 07016234913(M); Email: jha.bhavanath@gmail.com; Sp. Plant Molecular Biology & Biotechnology/Stress Genomics/Gene Mining and Translational Research/ Marine Biotechnology/Biodiversity Mapping & Bioprospection.

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.

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 18th 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, Academic Consultant, National Assessment and Accreditation Council; 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, JC Bose National Fellow, Professor, Evolutionary & Organismal Biology Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur P.O., 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.

JOSHI, Arun Kumar (b. 1958) PhD, FNA, Professor, Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi - 221005; Res. 31, Mahamanapuri, PO BHU, Varanasi - 221005; Tel. 09415221526(M); Email: joshi_vns@yahoo.com; a.k.joshi@cqiar.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; 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.

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.

2009 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, Rahul Bajaj Chair Professor & Dean of Alumni and Corporate Relations, Mechanical Engineering Dept., IIT Bombay, Mumbai - 400076; Res. B-286, Bldg No. 24, Nilgiri, IIT Bombay Campus, Powai, Mumbai - 400076; Tel. (022) 25767099/7527(O), 25768527(R), 09920177527(M); Email : ssjoshi@iitb.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; Fmail: anian@prl.res.in; Sp. **High Energy Physics**.

4460; Email: anjan@prl.res.in; Sp. High Energy Physics.

JUWARKAR, Asha Ashok (b. 1955) PhD, FAEB, FAMI, Scientist G
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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.

Option Pricing.

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. (011) 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.

2017 KALRA, Alok (b. 1959) PhD,FNAAS, Chief Scientist, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow - 226015; Res. E-6, CIMAP Colony, Vikas Nagar, Sector 7, Lucknow - 226015; Tel. (0522) 2718634(O), 09415020340(M); Email: a.kalra@cimap.res.in; alokkalra@hotmail.com; Sp. Plant Pathology/Agricultural Microbiology/Medicinal and 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, Pro Vice Chancellor, Jamia Hamdard (Deemed to be University), Hamdard Nagar, New Delhi - 110062; Tel. (011) 26059662/5216, 5215(O), Email: pstovc@jamiahamdard.ac.in; ahmedkamal@iict.res.in; Sp. Medicinal Chemistry/Organic Chemistry/Bioorganic Chemistry.

1997 KAMBOJ, Kamal Kumar (b.1955) PhD, Assistant Director, Division 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.

1991 KAMBOJ, Ved Prakash (b. 1937) PhD, DSc, FÑA, Mem NYASc, NASI Honorary Scientist, Formerly Director, CDRI, Lucknow; Formerly Chairman, BIBCOL, Bulandshahr; Chairman, Board of Directors, Biotech Consortium India Ltd., New Delhi; Res. C-1111, Indira Nagar, Lucknow - 226016; Tel. (0522) 2354050(R), 09415157684(M); Fax: 2623405, 2623938; Email: kambojvpk 1511@gmail.com, kambojvp@yahoo.com; kambojvp@rediffmail.com; Sp. Reproductive Biology/Endocrinology/Drug Development.

Council : Pres. 2005-06 P.Pres. 2007-08, 2016, 2021- V.P. 95-96 G.S. 97-2000, 2004, Mem. 2001

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.

2013 KANG, Gagandeep (b. 1962) MBBS, MD, PhD, MRCPath, FAAM, FNA, FASc, Professor & Head, The Wellcome Trust Research Laboratory, Division of Gastrointestinal Sciences, Christian Medical College, Vellore - 632004; Res. 327, South Road, CMC Campus, Bagayam, Thorapadi PO, Vellore - 632002; Tel. (0416) 2282052(O), 2284266(R), 09894070266 (M); Fax: 2282486, 2232035; Email: gkang@cmcvellore.ac.in; welcome @cmcvellore.ac.in;Sp. Vaccines/Public Health/ Microbiology.

2016 KANJILAL, Dinakar (b. 1955) PhD, FNA, Raja Ramanna Fellow & Former Director, Inter University Accelerator Center, Aruna Asaf Ali Marg, New Delhi - 110067;Tel.(011) 24126018(O), 40040186(R), 09868716629(M); Email: dk@iuac.res.in; dkiuac@gmail.com; Sp. Condensed Matter Physics & Materials Sciences/Accelerator Physics & Technology.

2020 KANNAN, Shanmugaperumal (b. 1963) PhD, Outstanding Scientist, Head, Fuel Chemistry Division, Bhabha Atomic Research Centre, Mumbai - 400085; Res. 43, Shantiniketan, Anusakti Nagar, Mumbai - 400094; Tel. (022) 25593933(O), 25565634(R), 09757307749(M); Fax: 25505151; Email: skannan@barc.gov.in; skannan2508@gmail.com; Sp. 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 Professor & Head, Chemistry Department, University of Jodhpur; Res. 70, Abhaygarh Scheme, Jodhpur - 342 011; Tel.

(0291) 33956(R); Sp. Physical/Surface Chemistry.

2011 KANT, Tarun (b. 1946) PhD, FNA, FASc, FNAE, Professor 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.

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.

1968

2016 KAPOOR, Meenu (b. 1968) PhD, Professor, University School of 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, Director, Sanjay Gandhi PG Institute of Medical Sciences, Raebareli Road, Lucknow - 226014; Res. House No.Type VB/14, SGPGI Campus, Raibareli Road, Lucknow - 226014; Tel. (0522) 2668112,2668216(O), 2668062(R), 09415410130, 8004904798 (M); Fax: 2668017, 2668078; Email: director@sgpgi.ac.in; 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.

- 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.
- 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, 3rd 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) PhĎ, 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.

1982 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, 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. (0141) 2613992(R), 09219610499(M); Email : katochkiran1@gmail.com; Sp. Medicine.

2004 KATOCH, Vishwa Mohan (b. 1953) MD, FAMS, FNA, FASc, FIASc, 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

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Sciences/Diabetes.

2001

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, 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, 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.

2003 KAYASTHA, Arvind Mohan (b. 1960) PhD, FNAAS, FNAMS, 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), 2575417(R); Fax: 2368693; 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.

1982 **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 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; Sp. Inorganic Chemistry/Organometallics/ Analytical

2003 KHANDUJA, Sudesh Kaur (b. 1951) PhD, FNA, FASc, FTWAS, INSA Senior 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.

1986 KHANNA-CHOPRA, Renu (b. 1949) PhD, FNA, FNAAS, INSA Senior Scientist, Water Technology Centre, Indian Agricultural Research Institute, New Delhi - 110012; Res. A1/153, Paschim Vihar, New Delhi - 110063; Tel. (011) 25846790(O), 09899017170(M); Fax: 25846012; Email: renu_wtc@rediffmail. com; renu.chopra3@gmail.com; Sp. Plant Physiology.

2015 KHANNA, Navin Chandra (b. 1956) PhD, FÁSc, FŇA, Group Leader, 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.

1986 KHANNA, Pushpa PhD(Oregon), FBS, Professor of Botany, Principal, University Maharani's College, Jaipur; Res. 23, Ram Bagh Road, Jaipur; Tel. (0141) 73628(O), 72410(R); Sp. Physiology/Biochemistry.

1987 KHANNA, Sudarshan Kumar (b.1932) ME, PhD(Engg.), DSc(hc), DLitt(hc), DEngg(hc), FNAE, FIE, FNAE, Formerly Chairman, 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.

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Neurotoxicology and Neuroprotection.

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 Director, 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.

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Council: Mem. 81, 83-86

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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); Sp. Plant Pathology/Seed Pathology/Soil-borne 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.

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Sp. Algebraic Topology.

2008 KHAREEDÜ, Venkateswara Rao (b.1958) PhD, FNA, NASI Senior Scientist, Centre for Plant Molecular Biology, Osmania University, Hyderabad - 500007; Res. Plot No.19, H.No. 8-3-315/25A, Maruthinagar, Yousufguda, Hyderabad - 500045; Tel. (040) 27098087, 27070736(O), 23745253(R); Fax: 27096170; Email: rao_kv1@rediffmail.com; rao_kv@hotmail.com; Sp. Plant Molecular Biology/Transgenics/Functional Genomics.

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.

1992 KHOKLE, Waman Sadasheo (b. 1933) MSEE (Minnesota), B.E.(Hons), PhD(Minnesota), Res. 428, I.I.M. Campus, Vastrapur, Ahmedabad - 380015; Tel. (079) 26307271(R), 08758560009(M); Email: khoklews@yahoo.com; Sp. VLSI/Semiconductors Devices.

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2003 KHURANA, Paramjit, (b. 1956) PhD, FNÁ, FASc, FNAAŠ, 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

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Council: Mem. 2019-20

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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.

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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.

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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.**

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1996 **KRISHAN, Vinod,** PhD(Tennessee), Professor, Indian Institute of Astrophysics, Bangalore - 560 034.

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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.

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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; **Plant** Morphogenesis/Reproductive Ecology/ Histochemistry.

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Council: Mem. 2010-2011

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2013 KULKARNI, Giridhar Udapi Rao (b. 1963) PhD, FASc, Director, Centre for Nano and Soft Matter Sciences, Prof. U.R. Rao Road, Jalahalli, Bengaluru – 560013; Res. No.54, 'Tulasi', III Phase, 'Royal Enclave', Shrirampura Road, Jakkur, Bangalore –560064; Tel. (080) 22082814(O),23632814(R), 09448825386 (M); Fax: 22082766; Email: kulkarni@jncasr.ac.in; gukulk@gmail.com; Sp. Physical Chemistry/Applied Chemistry/Applied Physics.

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Council: Mem. 2021-

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Council: Mem. 97-98, 2008-09

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Council: V.P. 2007-08 Mem. 2005-06

2003 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 Molecular Reproduction, Development 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); Fax: 23600999; Email: arunk@iisc.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

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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-

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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.

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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.

2008 KUMAR, Sanjay (b.1963) PhD, FNAAS, FCISI, Director, CSIR-Institute of Himalayan Bioresource Technology, Palampur -176061; Res. Director's Residence, CSIR Colony, Palampur -176061; Tel. (01894) 230411(O),230422(R), 09816621463(M); Fax: 230433; Email: sanjaykumar@ihbt.res.in; sanjayplp1@ gmail.com; Sp. High Altitude Biology/Plant Adaptation/ Stress Physiology/Metabolic Engineering/Bioprospecting genes/ Enzymes.

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

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1989 KUMAR, S.S. (b. 1936) PhD, Professor & Chairman, Botany Department, Panjab University, Chandigarh; Res. 450, Sector

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Sp. Molecular Cell Biology/Biotechnology/Medical Virology. KUMAR, Vikram (b. 1947) MS(Lehigh), PhD(Lehigh), FNAE, FIETE, 1993 Honorary Professor, Centre for Applied Research in Electronics, Indian Institute of Technology, Delhi - 110016; Res. A165, Prodyogiki Apartments, Dwarka Sector 3, New Delhi - 110075; (011) 45141721(R), 09891270409, 09868164409(M); vkmr47@gmail.com; vkmr@physics.iitd.ac.in:

Semiconductor Physics and Technology.

KUMAR, Virendra (b. 1932) PhD, Department of Botany, Dr. Zakir 1989 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.

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KUNDU, Debasis (b. 1961) PhD, Professor, Dept. of Mathematics, 2001 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.

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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.

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2005 **KUNDU, Tapas Kumar** (b. 1962) PhD, DSc, FNA, FASc, Sir JC Bose National Fellow; Director, CSIR-Central Drug Research Institute, Sector 10, Jankipuram Extension, Sitapur Road, Lucknow - 226031; Tel. (0522) 2771940(O), 09449456334(M); Fax: 2771941; Email: director@cdri.res.in; tapas@jncasr.ac.in; Sp. **Regulation of Gene Expression/Chemical Biology.**

1990 KUNWAR, Ajit Chand (b. 1949) PhD, NASI Senior Scientist, NMR Group, Indian Institute of Chemical Technology, Hyderabad 500 007; Res. 202, Maitri Sandan, Lane No. 2, Sai Enclave, (Behind ICICI Bank), Habsiguda, Hyderabad – 500007; Tel. (040) 27193976(O), 27193580(R), Fax: 27193108, 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; Tel. (079) 61911143(O), 09936335523(M); Email: dkunzru@iitk.ac.in; deepak.kunzru@ahduni.edu.in; Sp. Structured Reactors/Catalysis/Petroleum Refining.

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.

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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

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- 2018 LALORAYA, Malini (b. 1964), PhD, FRE, Scientist G, Division of Molecular Reproduction, Rajiv Gandhi Centre for 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; Sp. Reproductive Biology/Endocrinology/Free 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, Co-Chair, Inter Academy Partnership (AIP for Science), Office at Trieste, Italy; Former Director, National Physical Laboratory, Dr. K.S. Krishnan Road, New Delhi 110012; Res. B-064, DLF ICON, Gurugram; Tel. (011) 45609104(O), 47026374(R); Email: klal@mail.nplindia.org; cochairkr@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) PhD, FNA, FNAAS, NASI Senior Scientist, The Energy and Resources Institute, IHC Complex, Darbari Seth Block, New Delhi 110003; Res. 42/1 Ramjas College Teachers Flat, University of Delhi, Delhi 110007; Tel. (011) 27666254(O), 09810785766(R); Email : ruplal@gmail.com; Webpage : http://ruplal.in; 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.

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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.

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Council: Mem. 2007-08

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2000 LOHIYA, 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.

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Council: Mem. 97-99

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Council: Mem. 2019-20

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Council: Mem. 2016-17

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Council: Mem. 81, 83

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Council : Mem. 2008-09

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Council: Mem. 2002-04

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MUNJAL, Manohar Lal (b. 1945) PhD, FNA, FASc, FNAE, MEurASc, INSA Honorary Scientist & Professor (Emeritus), 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) 22932303, 23603611(O), 23414855(R), 09945278551(M); Fax: 23600648, 23603611; Email: munjal@iisc.ac.in; Sp. Technical Acoustics/Industrial Noise Control/Automotive Noise Control.

1995 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: kambadurmurali2001@rediffmail.com; kambadur2015@gmail.com;Sp.Endocrinology/Biochemistry/Reproductive Biology.

Council: Mem. 2003-05

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) 23372981(R), 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.

- 2013 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.

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. HE-122, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22933055(O), 29601810(R), 09731881206(M); Email nganesh@iisc.ac.in; Sp. DNA Damage Responses/Cell Biology/Cancer Biology.

1994 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/

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2021 NAGEGOWDA, Dinesh Addihalli (b. 1974) PhD, Senior Principal 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); dinu33@yahoo.com; da.nagegowda@cimap.res.in; Sp. Plant Molecular **Biology/Functional** Genomics/Matabolic Engineering.

NAIK, Niranjan Krishna (b. 1944) PhD, FNAE, FIE, FAeSI, 2004 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; Polymer Matrix Composites/Textile Composites/ Ballistic Impact/Fracture and Fatigue of Composites/ Aerospace Technology.

2013 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.**

2017 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.bitspilani.ac.in; prasadanaik@gmail.com; Sp. Lasers, Produced Plasma, High Power Lasers, X-Ray Laser.

2004 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: gmnairg@gmail.com; gmnair@isro.gov.in, Sp. Technology/ Rocket System Design/Science & Technology Management.

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- 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.
- 2021 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 Narayanan (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.
- 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.

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- 2002 NAQVI, Syed Wajih Ahmad (b.1954) PhD, FASc, FNA, FTWAS, Distinguished Visiting Professor, Department of Earth Sciences, Indian Institute of Technology, Kanpur 208016; Tel. (0512) 2592158(O), 09643314093(M); Email: wajih_naqvi@yahoo.com; wnaqvi@iitk.ac.in; Sp. Oceanography/Aquatic Biogeochemistry/Global Chance.
- 2007 NARAHĀRI, 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.
- 1984 NARAIN, Prem (b. 1934) PhD(Edin.), DSc(Edin.), FNA, FASc, FNAAS, Editor-in-Chief, International Journal of Plant Breeding and Crop Science, USA; Res. 29278, Glen Oaks Blvd.W., Farmington Hills, MI 48334-2932, USA; Email: premn877@gmail.com; Sp. Statistical Genetics/ Agricultural Statistics.
- 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.
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- 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.
- 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.
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- 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 NATARAJÁN, 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.

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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, 4th Main, 7th Cross Naidu Layout RMV 2nd 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.

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Council: Mem. 2012-13

2003 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.

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Council: Mem. 2015-16

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., 3rd Main, 4th Cross, 1st Block RMV 2nd 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, Former Professor, School of Liberal Studies, Azim Premji University, Bangalore; Res. B701, Mahaveer Riviera, 24 Main, JP Nagar, 7 Phase, Bangalore- 560078; Tel. 09611789391(M); Email: rajaram.nityananda@gmail.com; Sp. Optics/Statistics/Dynamics Especialy in Astronomy/Physics Education.

2006 NITYANAND, Soniya (b. 1962) PhD,M.D., Professor & Head, Dept. of Hematology, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Rae Bareilly Road, Lucknow - 226020; 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

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, Professor in Physics, Indian Institute for Science Education and Research (IISER-Pune), Homi Bhabha Road, Pune - 411008; Res. 128/1B, Plot 3A, Pushkaraj, Shramik Sahakari Society, Kothrud, Pune - 411038; Tel. (020) 25908292(O), 25435200, 25442912(R), 09822628242(M); Email: satishogale@iiserpune. ac.in; satishogale@gmail.com; satish.ogale@tcgcrest.org; Sp. Materials Science/Advanced Materials.

2015 **OJHA, Devendra Kumar** (b. 1967) PhD, FASc, Chairperson, Department of Astronomy and Astrophysics, 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), 22804969(R); Fax: 22804610; Email: ojha@tifr.res.in; Sp. **Star Formation & Interstellar Medium/Infrared Astronomy/Astronomical Instrumentation.**

2015 OMKAR (b. 1958) PhD, Professor & Head, Department of Zoology, University of Lucknow, Lucknow - 226007; Res. 14/494 Aanjaneya, Vikashnagar, Lucknow - 226022; Tel. (0522) 2740230(O), 2739913(R), 09415757747(M); Email : omkaar55@hotmail.com; omkar.lkouniv@gmail.com;

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.

1988 PADMANABÁN, Govindarajan (b. 1938) PhĎ, 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-

PADMANABHAN, Kuppuswamy Anantha (b. 1945) PhD (Cantab), ScD (Cantab), FNAE, FASc, FIM (London), FIIM, FIMMM (London), FIE, Research Advisor, TCS; 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. Block No. 1, Flat No. 4C, Ceebros Orchid, No. 263, Velachery Main Road, Chennai - 600042; Tel. (044) 66160002(O), 22432373(R), 08008777646(M); Email: ananthaster@gmail.com; kap@ annauniv.edu; Sp. Mechanical Metallurgy/Metal Forming/ Superplasticity and Plasticity/ Nanostructured and Ultrafine Grained Materials.

1993 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).

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, P1/12 CIT Scheme VIIM, Kankurgachi, Kolkata - 700054; Tel. 09830009846, 09903052859(M); Email: amita@jcbose.ac.in; palamita119@gmail.com; Sp. Molecular Genetics/ Developmental and

Štress Biology.

2016

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); Email: director@csr.res.in; sspajp@iacs.res.in; Sp. Experimental Condensed Matter Physics/Organic Electronics/Nanotechnology.

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, 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. 9441(O), 25815037(R); Email : director.biotech@dpu.edu.in; jkpal@hotmail.com; Sp. Cell Molecular Biology/Developmental Biology/Genetic Engineering.

1951 **PAL, N.L.** (b. 1909) DSc (Lond.), Former Pathologist, IARI; Res. H.No.118, Tularambagh, Prayagraj; Tel. (0532) 2500982/83(R).

2009 PAL, Nikhil Ranjan (b. 1959) PhD, FNAE, FNA, FIFSA, FTWAS, FIEEE, Professor, ECSU and Head, Center for Artificial Intelligence and Machine Learning, Indian Statistical Institute, 203, B.T. Road, Kolkata-700108; Res. Pragatinagar, Chinsurah (R.S.), Hooghly-712102; Tel.(033) 25752906(O), 25444365(R), 09433905237(M); Fax: 25752914; Email: nikhil@isical.ac.in; nrpal59@gmail.com; Sp. Computational Intelligence/Machine Learning/Artificial Intelligence/Data Mining/Bioinformatics.

2016 PAL, Rahul (b. 1960) PhD, Staff Scientist VII, 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, National Science Chair, SERB-DST; AICTE Distinguished Chair Professor; ISI Emeritus Professor, 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, FIEEE,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,D.Sc., Professor, Department of Chemistry, Indian Institute of Technology Kharagpur 721302; Res. A-83, IIT Campus, Kharagpur 721302; Tel. (03222) 283320(O), 283321(R); Fax: 282252, 255303; Email: tpal@chem.iitkgp.ac.in; tarasankar.pal@gmail.com; Sp. Inorganic Chemistry/Nano Science/Catalysis.
- 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; palitdk@gmail.com; Sp.Radiation Chemistry/Photochemistry/ Ultrafast Spectroscopy.

1997 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); 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, Director & Scientist G, Regional Medical Research Centre, 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. (03192) 251158, 252064(O), 231748(R), 9932083226, 9434288396(M); Fax: 251163; Email: vijayacharipaluru@gmail.com; Sp. Clinical Microbioloy/ Molecular Medical Microbiology/ Molecular Epidemiology.

2014 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.

PANDA, Ganapati (b. 1948) PhD, DSc(UK), FNAE, FIE, FIETE, 2003 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), 25724194(R); Fax : 25767253; Email 25768276, 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, FBS, FIAAT, FEHSST, Vice Chancellor, Mansarovar Global University, Kolar Road, Bhopal 462042; Former Professor of Botany, University of Delhi; Tel. 09717745993, 07217827563(M); Email: arunpandey79@gmail. com; vc@maguindia.com; Sp. Taxonomy/Molecular Systematics/Biodiversity.

Council: Mem. 2022-

- PANDEY, Ashok (b. 1956) DPhil,FBRS,FRSB,FIOBB, FISEES, FAMI, FICT, FWSSET, Distinguished Scientist, Centre for Innovation and Transalational Research, CSIR-Indian Institute of Toxicology Research, Lucknow 226001; Tel. (0522) 2217646(O); Email : ashok.pandey1@iitr.res.in; ashok.pandey56@yahoo.co.in; Sp. Industrial & Environmental Biotechnology-Waste to Wealth/Industrial Enzymes/Solid-State Fermentation.
- 2009 PANDEY, Daya Shankar (b. 1961) PhD, FASc, 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.
- 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, Varanasi221005; 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.

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.

1984 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), 09842164139(M); Email: tjpandian16@gmail.com; Sp. Genetics and Fishery Science.

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 PANDIT, 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) 33611111(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, Professor, Indian Institute of Science Education and Research Kolkata, Mohanpur, Nadia 741246; Res. At/PO Arilo, Via-Sompur, Distt. Cuttack; Tel. 09748918201(M); Fax : 033-25873020; Email : pprasanta@iiserkol.ac.in; Sp. Field Theory/Quantum Computation/Nonlinear Dynamics.
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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; Emeritus Professor, Former Director & Distinguished Scientist, 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.

PRAKASH, Anil (b. 1958) PhD, Scientist G, National Institute for Research in Environmental Health, Kamla Nehru Hospital 2014 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; Structural Biology/Biochemistry.

PRAKASH, Bukkaraya Samudram (b. 1956) PhD, FNAAS, 2012 FNADS, Assistant Director General (AN&P), Indian Council of Agricultural Research (ICAR), Krishi Bhawan, New Delhi -110001; Res. C-401, NASC Complex (Opp. Todapur Village), DPS Marg, New Delhi - 110012; Tel. (011) 23388808(O), 09999979013(M); Fax : 23388808; Email : bsp1001@rediffmail. bsprakash1001@gmail.com; Sp. Reproductive

Physiology/Endocrinology.
PRAKASH, Satya (b. 1929) PhD,FNA, FASc, Formerly Senior 1990 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, 2002 FRSC, FAFST(I), CFS, Vice President, International Union of Nutritional Sciences (IUNS) and President, International Union of Food Science and Technology (IUFoST), Res. No. 58, 5A Main, Vontikoppal, Mysore - 570002; Tel. 09845048854, 08212510054(M); Email: prakashvish@gmail.com; Sp. Protein Chemistry/Nutraceuticals/Nutritional Biophysical chemistry.

PRAKASHKUMAR, Raveendran Pillai (b. 1962) PhD, FLS, FBS, 2016 FNABS, Director, Jawaharlal Nehru Tropical Botanic Garden KSCSTE-JNTBGRI, Institute, Research 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 Conservation/S&T Management.

1993 PRAMANIK, Ashutosh (b. 1935) PhD, FNAE, CMath, FIMA(UK), C.Eng., FIE, FIETÈ; Proféssor 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, FNA, FASc, 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.

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 Ágriculture 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, Gurgaun- 122413; Res. D-2/002 The Legend, Sector 57, Sushant Lok Phase III, Gurgaon - 122001; Tel. (0124) 2337015 Ext. 1111(O), 2573443(R); Email: rp47jnu@gmail.com; rprasad@ggn.amity.edu; Sp. Membrane Biology/Fungal Genetics/Drug Resistance.

PRASAD, Rajendra (b. 1951) PhD, Formerly Professor & Head of Physics, IT Kanpur; Res. D-402, Doon Trafalgar, Near IT Park, Dhoran Road, Dehradun – 248001; Email: rprasad@iitk.ac.in;

Sp. Condensed Matter Physics.

2006

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.

2009 PRASAD, Surendra (b. 1948) PhD,FNA, FASc, FNAE, Professor of Electrical Engineering & Former Director, Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110016; Res. Director's Lodge, IIT Campus, Hauz Khas, New Delhi - 110016; 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, INSA Honorary Scientist; Formerly Professor & Head of Zoology, Nagpur University; INSA Senior Scientist, CSIR-NEERI, Nagpur; Res. 9
Deotale Layout, Nagpur University Campus, Nagpur - 440033; Tel.(0712) 2249010(R), 09423632159(M); Email: prasadraopd99@gmail. com; Sp. Neuroendocrinology/Fish Reproduction/ Fish and Fisheries.

2016 PRATAP, Rudra (b. 1964) PhD, FNAE, Professor, Centre for Nano Science & Engineering, Indian Institute of Science, Bangalore - 560012; Res. NE-209, Block 5, New Housing Colony, Indian Institute of Science, Bangalore - 560012; Tel. (080) 22933250(O), 23600787(R); Fax: 23604656; Email: pratap@iisc.ac.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.

PUNNIYAMURTHY, Tharmalingam (b. 1964), PhD, 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.

2012 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 Chukkurumbal (b. 1970) PhD, FASc, Associate 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.

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); 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.

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.

1996 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

RAI, Lal 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: lcrbhu15@gmail.com; lcrai@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.
- 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., FTSAS, Professor & UGC BSR Faculty Fellow, Department of Genetics, University of Delhi South Campus, Benito Juarez Road, New Delhi 110021; Res. 2E, Shivalika Apartments, Sector 9, Plot No. 16, Dwarka, New Delhi 110075; Tel. (011) 24112503 Ext. 7172(O), 25075497 (R), 09818108515(M); Fax: 24112761; Email: rajam.mv@gmail.com; venkat.rajam@south. du.ac.in; 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, Secretary to Govt. of India, Ministry of Earth Sciences, Prithvi Bhawan, Lodhi Road, New Delhi 110003; Res. 114, New Moti Bagh, New Delhi 110023; Tel. (011) 24629771-72(O), 24103070(R), 08505902700(M); Fax: 24629777; Email: 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, CSIR Emeritus 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.

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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;

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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).

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- 1992 RAMANAN, Sundararaman (b. 1937) PhD,FNA, FASc, Adjunct Professor, Chennai Mathematical Institute; Visiting Professor, Institute of Mathematical Sciences, Taramani, Chennai -600113; Formerly Distinguished Professor, School of Mathematics, TIFR, Mumbai; Tel. (044) 22543376(O), 24341169(R), 09444549919(M); Email: ramanan@imsc.res.in; sramanan@cmi.ac.in; Sp. Algebraic & Differential Geometry.
- 1998 RAMANATHAN, Krishna Venkatachala (b. 1950) PhD, Professor Emeritus (CSIR), NMR Research Centre, Indian Institute of Science, Bangalore 560012; Res. No. 39, Anugraha, 6th 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, 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. (0452) 2382399(R), 08903971420 (M); Email: ramarajr@yahoo.com; ramaraj.ram@gmail.com; Sp. Physical, Inorganic and Analytical Chemistry.
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- 2006 RAMASAMI, Thirumalachari, (b. 1948) PhD, FNA, FASc, 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.

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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.

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2002 RAO, Basuthkar Jagadeeshwar (b.1956) PhD, FNA, FASc, JC Bose Fellow, Professor & Dean (Faculty), Indian Institute of Science Education and Research Tirupati, Transit Campus: Sree Rama Engineering College, Karkambadi Road, Mangalam, Tirupati - 517507, Tel. (0877) 2500401(O), 09004588909(M); Email: bjrao@tifr.res.in; bjrao@iisertirupati. ac.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; Émail : cprao@iittp.ac.in; cpraoiitb@gmail.com; Sp. Inorganic Chemistry/Bioinorganic,

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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.

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Council : Mem. 2019-20

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2018 RAO, Taduri Srinivasa Siva Rama K. (b. 1954), PhD, FASc, Professor (HAG) & Head, Indian Statistical Institute, RV College Post, Bangalore - 560059; Res. #93 lst 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.

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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, Director, Center for Brain Research, Indian Institute of Science, Bangalore 560012; Former Director, NBRC, Manesar; Res. Apartment 301, Vaishnavi Spring, 49/5-Ranga Rao Road, Shankara Puram, Bangalore 560004; Tel. (080) 22933589(O) 26942958(R), 09008885529(M); Fax : 23607766; Email: viji@iisc.ac.in; viji.ravindranath@gmail.com; Sp. Neuroscience.
 - Council: F.S. 2005-06 Mem. 2002-04, 2007-08, 2022-
- 1997 RAVISHANKAR, Gokare Aswathanarayana (b.1954) PhD, FIAFoST (Canada), FIFT(USA), FNAAS, Vice President, R&D (Life Sciences), Professor of Biotechnology, Dayananda Sagar Institutions, 5th 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, Mohabbewale, 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.

2017 RAY, Samit Kumar (b. 1961) PhD,FNAE,FWAST, 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/Thin Films.

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.

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Council: V.P. 2009-10

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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.**

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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.

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Council: Mem. 2012-13

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Council: Mem. 2021-

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1993 ROY, Shasanka Mohan (b. 1941) PhD,FNA, FASc, FTWAS, INSA Honorary 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.

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Council: Mem. 79

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Reproductive Biology/Steroid Signalling.

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Council: 2006-07, 2012-13

- 2010 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(0), 23241232(R); Fax: 23353477; Email: tanusri@bose.res.in; Sp. Condensed Matter Physics/ Materials Science/Electronic Structure.
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 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.

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Council: Mem. 2018-19

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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.

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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, FNÅ, 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. E 12, Housing Colony, Indian Institute of Science, Bengaluru - 560012; Tel. (080) 22932974(O), 23607073(R); Fax: 23600683; Email : diptiman@iisc.ac.in; Sp. Theoretical Condensed Matter Physics/Quantum Field Theory.

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1991 SEN, Sisir Kumar (b. 1929) M.S.(Chicago), PhD(Chicago), FNA, 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.

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- 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.
- 2013 **SENGUPTA, Krishnendu** (b. 1970) PhD, FASc, FNA, Senior Professor, Department of Theoretical Physics, Indian 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;
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- 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.
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Council: V.P. 2003-04, 2011-12 G.S. 2005-08 Mem. 99-2000, 2002

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Council: Mem. 2016-17 F.S. 2021-

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2019 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. No.10, Baker Street, IVRI Road, Izatnagar - 243122, UP; Tel. (0581) 2301327(O), 09412603840, 08218601498(M); Fax: 2301327; Email: tarusharma@niab.org.in; gts553@gmail.com; Sp. Molecular Reproductive Physiology/Oocytes Embryo Genomics/Stem Cell Biology.

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Development of Beamlines for Indus-2 Synchrotron.

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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), (141) 2352542(R), 09352671355, 09887550949(M); Email: vinaysharma30@yahoo.co.uk; vsharma4@jpr.amity.edu; Sp. Plant Stress Biology/Plant Informatics.

SHARMA, Vishnu Dutt (b. 1949) PhD, FNA, Visiting Professor, IIT Gandhinagar, Palaj, Gandhinagar - 382355, Gujrat; Formerly Head & Chair Professor, Dept. of Mathematics, IIT Bombay; Res. #302, Gullmohar Housing Society, Building Nr. 20A, Adi Shankaracharya Marg, Opp. Hira-Panna Mall, Powai, Mumbai - 400076; Tel. 09820605360(M); Email: vsharma@math.iitb.ac. in; vduttsharma@gmail.com; Sp. Applied Mathematics/Quasilinear Systems of PDEs/Nonlinear Gasdynamic Waves.

1993 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 SHAŚANY, Ajit Kumar (b. 1967), PhĎ, 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.
- 2008 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.
- SHENOI, Sadananda Satheesh Chandra (b. 1958) PhD, FASc, 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, Nizampet (PO), Hyderabad-500090; Tel.(040)23895000(O), 09441013377 (M); Fax: 23895001; Email: shenoi@incois.gov.in; director@incois.gov.in; 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, 19th Cross, Vijaynagara, 3rd 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. (0832) 2461660(R), 09011056605(M); Email: satishrshetye@gmail.com; Sp. Physical Oceanography.

Council: Mem. 2012-13

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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-572138. Karnataka: Tel. 09449543848(M): Email: shivanna@atree.org, shivannakr40@gmail.com; Reproductive Biology of Flowering Plants/Pollen Biology and Biotechnology.

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1984 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, Joy Gill Chair, 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.
- 1984 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.
- SHYAMASUNDAR, Rudrapatna Kallikote (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.

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 SIDDHESHWAR, Pradeep Ganapathi, PhD, Professor, Dept. of

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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)

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Council: Mem. 77

2003 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), 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); Email: arsims2003@yahoo.com; Sp. General Topology/Mathematics Education.

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Council: Mem. 2007-08, 2011-12, 2020-21

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1985

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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.

1990 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

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Council: Mem. 2009-10

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1974 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.

1984 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).

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2016 SINGH, Krishna Nand (b. 1962) PhD, 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.

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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.W8A3, Prasanthi Nilayam, District, Anantpur-515134; Tel. (08555) 288364(R), 09440855939(M); Email: sood.prakash@gmail.com; Sp. Nuclear Physics.

SOPORY, Sudhir Kumar (b. 1948) PhD, FNA, FASc, FNAAS, FTWAS, SERB Distinguished Fellow and 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. (0129) 4143755(R); 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, Professor & Chair Physics, Indian Institute of Science Education and Research (IISER), Pune - 411008; Res. 7 Akashganga, IUCAA, Post Bagh 4, Ganeshkhind, Pune - 411007; Tel. (020) 25908383(O), 25604407(R), 09422644463(M); Email: tarun@iucaa.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) 2782311(R); Email: msreehari03@yahoo.co.uk; Sp. Probability/Stochastic Modeling/Characterization Problems.

2005 SREE HARI ŘAO, 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, 09550411698; Email: vshrao@research foundation.in; vshrao@gmail.com; vshrao@yahoo.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.

2005 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; 26751361(R), 09429199824(M); (079)Tel. Email: r_sridharan777@yahoo. sridharan@prl.res.in;Sp. co.in;

Aeronomy/Solar Terrestrial Physics.

1994

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.**

SRIKANTH, Pannapalli Nallanchakravarthy (b. 1950) PhD, 2001 Professor (H), Tata Institute of Fundamental Research, Centre for Applicable Mathematics, Sharadanagar Chikkabo-mmasandra, 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;

Pharmacology/Toxicology/Natural Products.

NIVAS, Vasudevan (b. 1958) PhD,FASc,FNA,FTWAS, Professor (J), School of Mathematics, Tata Institute of 2017 SRINIVAS. 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; Sр. Algebraic Geometry/ Commutative Algebra/K-Theory.

1998 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 - 560 076; Tel.(080) 42049466(R), 09632319090(M); Email: srinimalu@gmail.com; Sp. Precambrian Geology with special reference to

sedimentation, structure and stratigraphy.

2010 SRINIVASAN, Srikanth (b. 1960) PhD, FNAE, FIE, Former Director, CSIR-National Metallurgical Lab & Outstanding Scientist, CSIR, No. 12, Ganpathy Nagar Layout, Kolathur, Chennai - 600099; 09566156748(M); Email : ssrikanth@nmlindia.org; 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.

1982 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.

SRIVASTAVA, Achal Kumar (b. 1966) MBBS, MD, DM, FRCP(London), FIAN, FAMS, Professor, Department of 2021 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: 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.

1991 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 1982 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.

1979 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/

> 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

2004 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,
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Sp. Structural Geology.

2012 SRIVASTAVA, Dinesh Kumar (b. 1952) PhD, FNA, Homi Bhabha Chair Professor, National Institute of Advanced Studies (Indian Institute of Science Campus), Bengaluru – 560012; Res. Atria 3A, Tata Aquila Heights, HMT Estate, Jalahalli (East), Bengaluru - 560013; Tel. (080) 22185105(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.

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.

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, FASc, Professor, Centre of Advanced Study, 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.

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.

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), Professor & Head, Department of Biosciences and Bioengineering, IIT Bombay, Powai, Mumbai - 400076; Res. 1204 Tilia,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.

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, Emeritus Professor; Managing Editor Proceeding of NASI, 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. 2008-2011, 2020- 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.
- SUBRAHMANYAN, Ravi (b. 1960) PhD, Director, Raman Research Institute, C.V. Raman Avenue, Sadashiva Nagar, Bangalore 560080; Res. Raman Research Institute, C.V. Raman Avenue, Sadashiva Nagar, Bangalore 560080; Tel. (080) 23611012(O), 23611012(R); Fax: 23610492; Email: director@rri.res.in; rsubrahm@rri.res.in; 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.

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2016 SUBRAMANYAM, Rajagopal (b. 1970) PhD, Professor, Department of Plant Sciences, School of Life Sciences, University of Hyderabad, Gachibowli, Hyderabad - 500046; Res. A-7, Faculty Quarter, University of Hyderabad, Gachibowli, Hyderabad - 500046; Tel. (040) 23134572(O), 23012963(R), 09866046509(M); Fax: 23010120; Email: srgsl@uohyd.ernet. 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.

2014 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.

2005 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, 5th 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.

2001 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.

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.

2002 SUNDARARAJAN, Govindan (b.1953) PhD,FNA,FASc, FNAE, FASM, FACerS, Distinguished Emeritus Scientist, ARCI, Hyderabad; Department of Metallurgical & Materials Engineering, IIT Madras, Chennai - 600036; Res.7th 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.

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.

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.

- SUNOJ, Raghavan 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.
- 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; 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

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.

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.

SURYAPRAKASH, Nagarajarao (b. 1956) PhD, Professor, NMR Research Centre, Indian Institute of Science, Bangalore - 560012; Res. Deepthanshu, No. 500, First Floor, 5th Main Road, Tatanagar, Bangalore - 560092; Tel. (080) 23607344(O), 23412709(R); Fax: 23601550; Email: nsp@iisc.ac.in; suryaprakash1703@gmail.com; Website: http:nrc.iisc.ernet.in /nsp; Sp. NMR Spectroscopy/Liquid Crystals.

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 (R), 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, Chief Scientist, World Health Organisation (WHO), Former Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi - 110029; Tel. (044) 42300268(R); Email: doctorsoumya@yahoo.com; swaminathans@who.int; 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. 11A/Type VI, Hudco Place, Andrews Ganj, New Delhi-110049;Tel.(011) 26264831(R), 09810226316 (M); Email: swarup.dbt@nic.in; renuswarup01@gmail.com; Sp. Biotechnology for the Welfare of Science & Society.

 Council: Mem. 2021-
- 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.
- 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, 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-

1974 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

TANDÓN, Pramod (b. 1950) PhD, FBS, FLS, FISEB, Formerly Vice-Chancellor & Professor of Botany, NEHU, Shillong;Chief Executive Officer, Biotech Park, Lucknow; Res. D-802, Shalimar Gallant, Vigyanpuri, Mahanagar, Lucknow - 226006; Tel. (0522) 4304030(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

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, 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. 09436101747(M); Email: tandonveena@gmail.com; Sp. Parasitology/Helminthology.

Council: F.S. 2007-08 Mem. 2005-06 G.S. 2014-17

1957 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.

1973 **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.

- 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.
- 1990 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, Staff Scientist VI, Plant Mediator Lab, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067; Res. HIV S002, National Institute of Plant Genome Research, Aruna Asaf Ali Marg, New Delhi 110067; Tel. (011) 26735221(O), 26735151(R), 09958374865(M); Fax : 26741658; Email : jthakur@nipgr.ac.in; jitu707@gmail.com; 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.

- THANGARAJ, Kumarasamy (b. 1963), PhD, FNA, FASc, Director, Centre for DNA Fingerprinting and Diagnostics, Inner Ring Road, Uppal, Hyderabad 500039; Res. 102, Surya Residency, Road No.3, Snehapuri Colony, Nacharam, Hyderabad 500076; Tel. (040) 27216003, 27216004(O), 27173822(R), 09908213822(M); Fax: 27216006; Email: thangs@ccmb. res.in; director@cdfd.org.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.
- 1997 **THYAGARAJAN, Sadras Panchatcharam** (b.1944) PhD, MD, DSc, FAMS, FIMSA, FABMS, Professor of Eminence & Dean (Research), Sri Ramachandra University, Porur, Chennai -600116; Res. No. 5, First Street, Nehru Nagar, Adyar, Chennai-600020; Tel. (044) 45928665(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).

1971 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. Natural **Product** Chemistry/Microbial com; Sp. Synthesis/Prostaglandin **Biosynthesis** and Assav/ Synthesis of Heterocyclics.

2013 TIWARI, Kamlesh Narayan (b. 1955) PhD, FNAAS, FISAE, Professor, Agricultural and Food Engineering Department, Indian Institute of Technology Kharagpur, Kharagpur - 721302; Res. A-53, IIT Campus, IIT Kharagpur, Kharagpur - 721302; Tel. (03222) 283150(O), 283151(R), 09434944443(M); Fax: 282244, 283150; Email : kamlesh@agfe.iitkgp.ac.in; kamlesh@agfe.iitkgp.ac.in; 282244, 283150; Émail : kamlesh@agfe.litkgp.ac.in; kamlesh_iitkgp@yahoo.co.in; Sp. Agricultural Engineering/ Soil and Water Engineering/Water Resource Engineering.

TIWARI, Manoj Kumar (b. 1962) PhD,FNAE,FIISE,FIIE,FIETI, Director,National Institute of Industrial Engineering(NITIE), 2019 Vihar Lake Road, NITIE Admin Block, Powai, Mumbai - 400087; Res. A-178, Department of Industrial & System Engg, IIT Kharagpur: Tel. 09734444693(M); 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, Director, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad - 500007; Tel. (040) 2343600(O), 27012555(R), 09440328269(M); Email: director@ngri.res.in; virendra.m.tiwari @gmail.com; Sp. **Geophysics/ Gravimetry/Geodynamics. TOLE, Shubha** (b. 1967) PhD, FASc, FNA, Professor, Department

2010 of Biological Sciences, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai - 400005; Res. 1010, Bhaskara, 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, Professor, Department of Mathematics, Hans Raj Gupta Hall, Sector 14, Panjab University, Chandigarh - 160014; Res. # T-1/6, Sector 25, Residential Complex, Panjab University, South Campus, Chandigarh - 160014; Tel. (0172) 2534523(O), 2543035(R), 09463223629(M); Fax: 2541022; Email: sktomar@pu.ac.in; sktomar66@gmail.com; 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.

TRIPATHI, Anil Kumar (b. 1959) PhD, FNA, FASc, FNAAS, 2012 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

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2007 TRIPATHI, Pradeep Kumar (b. 1957) PhD, FNA, INSA Senior 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.

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Council: Mem. 2007-08

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- Council: Pres. 2015-16 P.Pres. 2017-18 G.S. 2006-09 Mem. 2005

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- 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, 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 and 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.
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- 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.
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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

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- 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
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Council: Mem. 2021-

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1987 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.

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Council: Mem. 2009-10

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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; Sp. Neurobiology/

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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: yrw37@ rediffmail.com; Sp. Theoretical Nuclear Physics.

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Council: Mem. 2009-10

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YUSUF, Seikh Mohammad (b. 1965) PhD, 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.

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1989 ZUTSHI, 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. Adyalkar, Pandurang G. Acharya, B.D. Aiya, Ś.V.C. Agarwala, B.V. Agarwal, Ratan Prakash Ağarwal, Shyam Swarup Agrawal, Hira Lal Agrawal, Surendra K. Agrawal, Ved Prakash Ahuja, Paramvir Singh Ajrekar, S.L. Ambasht, Radhey S. Anandakrishnan, M. Anderson, Philip Warren Arora, Rajeshwar K. Arunachalam, Puduru V. Asundi, R.K. Ayyangar, G.N.R. Battersby, Alan Rushton Bhachhawat, B.K. 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, Samir K. Banerji, S.K. Banerii. S.N. Barnabas, J. Baruah, P.K. Basu, N.M. Basu, Saradindu Bergstrom, Karl Sune 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.P. Bhattacharya, Abani K. Bhattacharya, A.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, Ashok Kumar Bose, A.G. 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 Chandrasekhar, S. Chandrasekhar, S. Charavartty, A.K. Champion, H.G. Chandel, K.P.S. Chandra, D.B. Chandra, H. Chandra, Naresh Chandra, Sudhir Chandra, Suresh Chandrashekaran, M.K. Chatterjea, Jnanendra Nath

Chatterjee, A.C. Chatteriee, G. Chatterjee, R.C. Chatterji, K.P. Chatterji, Ram Gopal Chatterji, U.N. Chatterjea, Jnanendra 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, K.A. Choudhury, H. Clarke, G. Compton, A.H. Crisp. D.J. Dalitz, Richard Henry Daniel, Ranjan Roy Das, A.K. Das. B.K. Das, Jyotirmoy Das, Mukkattu R. Das, R.S. Das. S.M. Das, S.M. Das Gupta, S.N. Das Gupta, S.N. Datta. S. Dave, J. Sadashiv Dave, Laxmiprasad D. Dayal, B. Dayal, J. Dayal, M. Dehadrai, P.V. Deodhar, D.B. Dey, Arun Kumar Dey, P.K. Dhar, M.L. Dhar, N.R. Dhawan, Bhola Nath Dhawan, C.L. Dhawan, Satish Dikshit, H.P.

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Sahai, Brahma Nand

Paintal, A.S.

Deceased Fellows 325

Sahni, B. Sahni, S. Saksena, K.M. Saksena, K.M. Saksena, R.K. Saksena, Vimal C. Salam, Abdus Sampurnanand Sandhu, Sarjit Singh Sankaranarayanan, G.I. Santappa, Mushi Santhakumaran, L.N. Sanyal, N.K. Sarbhoy, A.K. Sastri, Malladi Narsimha Satyanarayana, Y. Saxena, B.B.L. Saxena, R.N. Schrader, S.H. Schrodinger, E. Schultes, Richard E. Sen, B. Sen, J.M. Sen, K.C. Sen, R.R. Sen, P. Sen, P. Sen, Parimal C. Sen Gupta, N.N. Sen Sarma, Parimal K. Seshadri, Conjeevaram S. Seshadri, Conjeevaram S. Seshagiri, Narasimhiah Sethi, N.K. Sethi, R.L. Sethna, Homi N. Shah, Vinodkant C. Shah, V.M. Shanmugam, G. Sharma, Archana Sharma, Arun Kumar Sharma, Chandra Bhan Sharma, Chandra Prakash Sharma, Chandra Prakash Sharma, Chandra Prakash Sharma, Ganpati P. Sharma, Mahendra N. Sharma, Winod P. Shukla, G.S. Shukla, Ram Avtar Siddiqi, Obaid Siddqui, H.N. Singal, M.K. Singh, A.N. Singh, A.N.	Singh, P.R. Singh, R.P. Singh, S.B. Singh, Sankatha Pd. Singh, Udai Bir Singh, Udai Bir Singh, U.N. Singh, Yagya Narain Sinha, B.P. Sinha, Sati R.Prasad Sinha, Suresh K. Sokolov, A.V.E. Somayajulu, BL K. Soni, Balbir Krishna Srikrishna, A. Srimani, P.K Srinivasan, M.S. Srinivasan, M.S. Srinivastava, Bal Krishna Srivastava, Bal Krishna Srivastava, B.N. Srivastava, H.D. Srivastava, H.D. Srivastava, G.D. Srivastava, G.P. Srivastava, G.P. Srivastava, K.P. Srivastava, K.P. Srivastava, K.P. Srivastava, P.L. Srivastava, P.L. Srivastava, P.L. Srivastava, R.S.L Srivastava, R.S.L Srivastava, Siya Ram Srivastava, Siya Ram Srivastava, Siya Ram Srivastava, T. N. Srivastava, U.S. Srivastava, U.S. Srivastava, T. N. Srivastava, J.P. Srivastava, Siya Ram Srivastava, Siya Ram Srivastava, T. N. Srivastava, T. N. Srivastava, J.A. Subbaraya, B. H. Subbaraya, B. H. Subbarayapa, B. V. Sudarshan, E.C George Sugahara, Tsutomu Sukhatme, P.V. Sulaiman, S.M. Sundaram, A.K. Sur, N.K.	Szabo, T. Talukdar, S. Nath Talukder, Geeta Tandon, Amar Nath Tandon, Bhup Kishore Tandon, H.D. Tandon, M.P. Tandon, Rakesh K. Tandon, Ram N. Tandon, R.S. 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. Tiselius, A. Titchmarsh, E.C. Tiwari, R.D. Tiwari, S.D.N. Townes, Charles Hard Trehan, Surindar Kumar Tripathi Radhey Shyam Tripathi, Ramesh C. Udayakumar, Makarla Vachaspati Vago, Constantin Valdiya, Khadg Singh Varadachari, V.V.R. Varma, Ram Kumar Venkataraman, G.S. Venkataraman, G.S. Venkataraman, G.S. Venkataraman, G.S. 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. Wever, Gregorio Waksman, S.A. Wallace, Philip Russell WASIR, Harbans Singh Weil, Andre West, W.D. Woese, Carl R. Wolfendale, Sir Arnold W. Yadav. J. S.P
Singh, Amar	Sur, N.K.	Woese, Carl R.
Singh, B.	Swarup, Gopal Swarup, Govind	Yadav, J.S.P.
Singh, B.N. Singh, Bhisham Pd.	Swarup, Krishna	Yosida, T.H. Zaheer, S.H.
Singh, Lalji	Swift, Hewson Hoyt	Zaidi, Sibte Hasan

Scientific Contributions of Fellows Elected in Year 2021

Agrawal, Anurag (*b* 1972), PhD, FNA, FASc, Director, CSIR-Institute of Genomics and Integrative Biology, New Delhi; for his significant contributions to the field of obstructive airway disease. His work spans understanding the relationship between metabolic pathways and the pathogenesis of asthma, and more recently developing a digital health map to address global health and its inequities in the post-COVID world. He has combined his medical knowledge and laboratory training to identify pertinent research questions and devise strategies to answer these.

Ateeq, Bushra (b 1976), PhD, Associate Professor, Department of Biological Sciences & Bioengineering, The Mehta Family Centre for Engineering in Medicine, Indian Institute of Technology Kanpur; for her significant original and novel findings in the area of cancers (especially in breast and prostate cancers), relevant to our understanding on cancer progression and identification of markers for early diagnosis.

Balani, Kantesh (b 1978), PhD, Professor, Department of Material Science & Engineering, Indian Institute of Technology Kanpur; for his significant contributions to the development of functionally-graded materials that impart required surface bioactivity with bulk-toughness to implants for potential hip-joint replacements.

Basak, Durga (b 1966), PhD, Senior Professor, School of Physical Sciences, Indian Association for the Cultivation of Science, Kolkata; for her significant contributions to ultra-wide band gap semiconductors thin film and nanostructure, and their applications.

Bhat, Navakanta (b 1968), PhD, FNAE, Dean, Division of Interdisciplinary Sciences, Professor, Centre for Nano Science & Engineering, Indian Institute of Science, Bangalore; for his pioneering contributions to interface energy for contacts and gate dielectrics for highly scaled nanoscale transistors, particularly to sulfur treatment for Ni contacts, that has paved the way to a novel ultralow power transistor architecture.

Bhattacharyya, Sriman Kumar (b 1957), PhD, FNAE, Vice-Chancellor, Shiv Nadar University Chennai, Kalavakkam, TN; for his significant contributions in the development of sustainable construction materials, particularly the development of design codes pertaining to recycled course aggregates and construction materials using nano silica.

Bhattacharyya, Tirthankar (b 1968), PhD, FASc, Professor, Department of Mathematics, Indian Institute of Science, Bangalore; for his outstanding contributions in the field of operator theory, especially dilation theory, Toeplitz operators on the symmetrized bidisc, the pair of commuting isometries and holomorphic functions on the symmetrized bidisc. Using the techniques of functional analysis his contributions display a strong connection between operator theory and complex analysis, and open directions for further researches.

Chakrabarti, Oishee (b 1975), PhD, Associate Professor, Biophysics & Structural Genomics Division, Saha Institute of Nuclear Physics, Kolkata; for

her significant contributions to the understanding of the regulation of autophagosomal-lysosomal degradation, ERAD tuning and mitophagy.

Chauhan, Manmohan Singh (b 1960), PhD, FNAAS, Director, ICAR-National Dairy Research Institute, Karnal, Haryana; for his manifold contributions towards the development of Assisted Reproductive Technologies, useful for the improvement of the productivity of the livestock, especially the buffalo bulls.

Chhuneja, Parveen (b 1966), PhD, Director, School of Agricultural Biotechnology, Punjab Agricultural University, Ludhiana; for her significant contributions in broadening the gene pool of wheat through introgression and molecular mapping of a spectrum of genes from wild wheat species. She was involved in the identification and designation of rust resistance genes in wheat. Genes and specialized genetic stocks developed by her are being used extensively in the national wheat breeding programme.

Chilla, Malla Reddy (b 1975), PhD, Professor, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur; for his notable contributions to the fundamental understanding of mechanical properties of organic crystals, including pharmaceutical solids, optoelectronics and stimuli responsive smart functional materials.

Das Sarma, Jaysri (b 1965), PhD, Professor, Department of Biological Sciences, IISER Kolkata, Mohanpur, Nadia,WB; for her significant contribution in the human nerological demyelinating diseases. Her work has focused on understanding human multiple sclerosis using experimental autoimmune encephalomyelitis and murine-β-coronavirus induced MS model and has demonstrated a pathogenic role of CD4+ T cells in MS's autoimmune model.

Dethe, Dattaraya Hanumant (b 1976), PhD, Professor, Department of Chemistry, Indian Institute of Technology, Kanpur; for his research involvement in design and invention of new strategies for the total synthesis of bioactive complex natural products and their analogues.

Giri, Jitender (b 1980), PhD, Scientist IV, National Institute of Plant Genome Research, New Delhi; for his significant contributions to the understanding of cellular signaling involved in phosphorus (P) limiting conditions, and identifying function of several key genes with potential to improve P utilization. He has utilised some of the identified genes for generating transgenics with improved P utilization.

Gupta, Meetu (b 1970), PhD, Associate Professor, Department of Biotechnology, Jamia Millia Islamia, New Delhi; for her outstanding work in elucidating cellular and molecular mechanisms involved in heavy metal detoxification in plants. Dr. Gupta reported differential response in Brassica genotypes under arsenic stress, identified metal-induced DNA polymorphisms in aquatic plants, and reported the role of MAPK signaling in rice under arsenic stress.

Gupta, Ritu (b 1972), MBBS, MD, Professor & Officer-in-Charge, Oncology Laboratory Unit, All India Institute of Medical Sciences, New Delhi; for establishing a centre of excellence on multiple myeloma at AIIMS and generated patterns of clonal evolution and mutation signatures relevant for clinical management of multiple myeloma patients. She has also established a fully robotic clinical laboratory. Her work has important implications for the care of patients with multiple myeloma and acute leukemias.

Gupta, Virendra Kumar (b 1960), PhD, Head R&D Polymer & Senior Vice President Reliance Research & Development Centre, Reliance Industries Limited, Navi Mumbai; for his excellent contribution in fundamental understanding of organometallic catalyst systems for olefin polymerization. His inventions include, development of a spheroidal magnesium alkoxide which is used to support active titanium centers resulting in high performance catalyst with extraordinary morphological control of polymers. His catalyst systems are protected by three Indian trademarks RELCATTM (ZN Catalysts), RELDTM (ZN Donor), RELSTM (ZN Catalysts Precursor) and are commercialized, first time in India, for production of polypropylene and polyethylene grades.

Joshi, Suhas Sitaram (b 1968), PhD, FNAE, Rahul Bajaj Chair Professor & Dean, Alumni and Corporate Relations, Department of Mechanical Engineering, Indian Institute of Technology Bombay, Mumbai; for important contributions to physics-based modeling of multi-scale machining processes for improving their quality and productivity, both on micro-scale and meso-scale.

Kaur, Gurucharan (b 1958), PhD, Honorary Professor, Department of Biotechnology, Guru Nanak Dev University, Amritsar; for providing novel insights into the role of polysialylated form of neural cell adhesion molecules (PSA-NCAM) as the structural functional basis for neuron-glia interactions in modulating adult brain plasticity, and further development of efficient PSA-based therapies.

Kumar, Dhiraj (b 1978), PhD, Group Leader, Cellular Immunology Group, International Centre for Genetic Engineering and Biotechnology, New Delhi; for his noteworthy contribution in identifying host mechanisms that mediate intracellular bacterial survival and pathogenicity, especially for his work on Mycobacterial tuberculosis infections.

Kumar, Prakash (b 1972), PhD, Senior Principal Scientist, CSIR-National Geophysical Research Institute, Hyderabad; for his seminal contributions towards seismological imaging of the hitherto elusive Lithosphere-Asthenosphere Boundary, a key parameter to understand how our planet works. The seismic evidence of a thin and flexed Indian lithospheric root visa-vis other Gondwana fragments, explains the faster drift of the Indian plate during the Cretaceous period.

Kumar, Rakesh (b 1965), PhD, FAMS, Professor & Head, Diagnostic Nuclear Medicine Division, Department of Nuclear Medicine, All India Institute of Medical Sciences, New Delhi; for his seminal and consistent contribution in his domain of research. He has published >500 papers in reputed indexed journals. The impact of his research is evidenced by the >10,000 citations with an h-index of 53. His name appeared in top 2% scientists from India (PLOS Biology, October 2020) and he was also ranked the top researcher from AlIMS during the last 10-years (JMR 2018:4:179-181).

Mahalakshmi, Radhakrishnan (b 1980), PhD, Associate Professor, Indian Institute of Science Education and Research, Bhopal, Bhopal; for her significant contribution in deducing molecular elements regulating the structure, stability, and function of bacterial and human transmembrane proteins. Her work on membrane protein biophysics is the first of its kind in India.

Maulik, Ujjwal (b 1965), PhD, FNAE, Professor, Department of Computer Science and Engineering, Jadavpur University, Kolkata; for his fundamental

contributions to cancer gene identification in data-scarce environments with limited clinical information, using an innovative approach that combines feature/gene selection and trasnductive_SVM.

Mishra, Manoranjan (b 1975), PhD, Associate Professor, Department of Mathematics, Indian Institute of Technology, Ropar, Rupnagar; for his outstanding contribution in developing a novel hybrid numerical technique that efficiently combines a pseudospectral method with compact finite differences, tackles the singularity in radial viscous fingering situations, and provides the control mechanism of instability with chemical reaction effects.

Mishra, Vimal (b 1979), PhD, Associate Professor, Earth Sciences, IIT Gandhinagar, Gandhinagar, Gujarat; for his significant contribution in advancing our understanding of land-atmospheric coupling and its role on hydroclimatic extremes, which allowed to quantify the role of natural and anthropogenic factors on the water cycle changes in the Indian sub-continent and crucial for water sustainability. His research provided a vital understanding of the changing summer monsoon rainfall characteristics and their impact on groundwater recharge in India. Also, Dr Mishra has contributed to developing a real-time monitoring and prediction system for soil moisture, stream flow, and droughts that are essential for managing the depleting water resources in India.

Mohanty, Subhendra (b 1960), PhD, Senior Professor, Theory Division, Physical Research Laboratory, Ahmedabad; for his many innovative ideas to constrain particle physics models using astrophysics and cosmology, and his many impactful contributions to physics areas such as Inflation, Dark Matter, Neutrino Physics and Gravitation and for pioneering and spearheading research in Astroparticle Physics in India.

Mukerji, Mitali (b 1967), PhD, Professor and Head, Department of Bioscience & Bioengineering Faculty, School of Artificial Intelligence and Data Science (AIDE), Indian Institute of Technology Jodhpur, Karwar, Rajasthan; for her outstanding contribution in providing molecular basis of activation of cryptic operon in E.coli, further she initiated work on population and disease genomics of spinocerebellar ataxias. She is known for initiating Ayurgenomics that provides a unique framework for risk stratification of populations for precision and network medicine, linking ayurveda with modern genomic medicine.

Mukherjee, Saptarishi (b 1977), PhD, Professor, Department of Chemistry, Indian Institute of Science Education and Research (IISER) Bhopal; for his seminal contributions in understanding the spectroscopic signatures luminescent metal nanoclusters. He has contributed in energetic of the interaction between protein/nucleic acids and small molecules/drugs, both at the ensemble-average and single-molecular resolutions.

Nagegowda, Dinesh Addihalli (*b* 1974), PhD, Senior Principal Scientist, Molecular Plant Biology and Biotechnology Lab, CSIR-CIMAP Research Centre, Bengaluru; for his significant contributions in the understanding of the role of specialized metabolites in medicinal and aromatic plants, in their defense and interaction with the environment. He elucidated their biosynthetic pathways and regulation using genomics, transcriptomics and metabolomics and used them for metabolic engineering.

Nallamala, Manjula Reddy (b 1965), PhD, Chief Scientist, CSIR-Centre for Cellular & Molecular Biology, Hyderabad; for her significant contributions which have gained international recognition. She advanced the basic

understanding of how bacterial cell wall biosynthesis is regulated, in addition to providing novel targets for developments of new antibiotics.

Purushothaman, Abhilash Chirakkuzhyil (*b* 1978), PhD, FNAAS, Assistant Professor, Institute of Environment & Sustainable Development, Banaras Hindu University, Varanasi; for his contribution in the restoration of degraded and polluted land for regaining ecological resilience through plantations, soil amendments and microbial interventions. He has also done bioprospecting of neglected, underutilized and climate resilient wild edibles of high nutrition and medicinal values from the dry lands for dietary diversification.

Ramakrishna, Subramaniam Anantha (b 1972), PhD, Director, CSIR-Central Scientific Instruments Organization, Chandigarh; for outstanding contributions in the area of metamaterials and plasmonic nanostructured materials and towards the use of these materials for real life applications.

Rawat, Diwan S. (b 1970), PhD, Professor, Department of Chemistry, University of Delhi, Delhi; for his extensive contribution in the area of medicinal chemistry. His group is involved in the synthesis of small organic molecules for therapeutic applications and catalysis.

Saha, Swati (b 1967), PhD, Professor, Department of Microbiology, University of Delhi South Campus, New Delhi; for her manifold contributions in demonstrating the divergent cellular and molecular biology/behaviour of Leishmania with the aim of uncovering new sites for therapeutic intervention.

Sarkar, Ananda Kumar (b 1973), PhD, Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi; for his extraordinary contributions in the area of plant development biology and understanding of root stem cell regulation. He has established the crosstalk of miRNA and ta-siRNA in root development and has identified genes as potential regulators of root architecture and physiology. His focus has been on using transgenics and genome editing approaches to improve root architecture and related physiological traits to improve productivity and stress tolerance.

Saxena, Nitin (b 1981), PhD, FASc, Professor (N Rama Rao Chair), Indian Institute of Technology, Kanpur; for making impressive contributions in mathematical concepts that are used in designing and analysing algorithms. He developed zero-testing algorithms for algebraic circuits which gets related to the `algebraic version' of the P≠NP question, co-authored the famous primality test and invented rank-concentration, algebraic-dependence. Very recently, he designed algorithms for roots mod-prime-powers, for Igusa zeta-function, forfactorization mod p^k, and for Hilbert's Nullstellensatz.

Shukla, Arun Kumar (b 1981), PhD, Joy Gill Chair Professor, Department of Biological Sciences and Bioengineering, Indian Institute of Technology, Kanpur; for his outstanding contributions in the field of GPCR biology with a focus on understanding their activation, signalling and regulatory paradigms.

Singh, Amit (b 1976), PhD, Associate Professor, Department of Microbiology of Cell Biology, Centre for Infectious Disease Research, Indian Institute of Science, Malleshwaram, Bengaluru; for his significant contribution in the area of research on Mycobacterium tuberculosis, especially for identifying the role of redox heterogeneity in countering the toxicity of host derived mechanisms and anti-TB drugs.

Singh, Arun Deo (b 1961), PhD, Professor, Centre of Advanced Study in Geology, Institute of Science, Banaras Hindu University, Varanasi; for his outstanding contributions to the understanding of Indian/south Asian seasonal monsoon variability on tectonic, orbital to sub-orbital and centennial

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scales. He has carried out pioneering work on the Arabian Sea pteropods and developed several new pteropod proxies, which brought out revolutionary changes in Quaternary paleoceanography, particularly to our understanding of deep-water circulation and its effects on biogeochemical cycling.

Singh, Ashok Kumar (b 1962), PhD, FNA, FNAAS, Director, ICAR-Indian Agricultural Research Institute, New Delhi; for his pioneering contributions on rice genetics and breeding. His research contributions include molecular mapping of resistance to bakanae disease, yield and its component traits; and grain and cooking quality traits of Basmati rice. He has been involved in the development of several Basmati rice varieties, high yielding aromatic rice varieties and the superfine grain aromatic rice hybrid.

Singh, Jayant Kumar (b 1975), PhD, Dean of Resources & Alumni, Poonam & Prabhu Goel Chair Professor, Department Of Chemical Engineering, IIT, Kanpur; for his path-breaking contributions to the fundamental insight into the phase equilibria and interfacial properties of fluids confined in nanopores, and has developed an alogorithm to calculate accurate viral coefficients of fluids fueling the liquid state theory's growth.

Singh, Mohar (b 1971), PhD, Principal Scientist, ICAR-National Bureau of Plant Genetic Resources, Regional Station, Shimla; for his outstanding contribution in the collection, characterization and management of plant genetic resources for food and agriculture in India. He has done high quality basic and strategic research in pulses and was responsible for the introduction of global wild annual Cicer and Lens species for pre-breeding and genetic enhancement of these crops. He has also established community seeds banks (CSBs) for mainstreaming traditional varieties of important Himalayan crops.

Soma, Venugopal Rao (b 1972), PhD, Professor, ACRHEM, South Campus, University of Hyderabad, Hyderabad; for outstanding contributions on ultrafast photonics and the development of techniques for trace detection and remote sensing of high energy materials.

Srivastava, Achal Kumar (b 1966), MBBS, MD, FRCP (London), Professor, Department of Neurology, All India Institute of Medical Sciences, New Delhi; for his outstanding contribution in the field of Ataxia, Neurophysiology and Neurobiology. He heads a neurology unit, Clinical Neurophysiology and Neurobiology facility and Ataxia clinic at AIIMS and is also a member of the Epilepsy care team.

Sudarsan, Vasanthakumaran (b 1971), PhD, Scientific Officer, Chemistry Division, Bhabha Atomic Research Centre, Mumbai; for his remarkable contribution in Strategic areas. His outstanding work on borosilicate glasses for immobilization of radioactive waste, and fabrication of alpha particle detectors for high level radioactive acidic waste finds practical utility. He has been involved in the development of Near Infrared (NIR) based luminescent tagants for preventing the counterfeiting of important documents.

Sundara, Ramaprabhu (b 1955), PhD, Professor, Indian Institute of Technology Madras, Chennai; for his extensive work on sustainable strategies using low cost materials and applications for solutions to energy and environmental problems including carbon nanotubes, hydrogen storage, fuel cells, wastewater treatment, CO2 mitigation and novel batteries. He has a large number of patents and demonstrated industry scale technologies.

Sunoj, Raghavan B. (b 1974), PhD, FASc, FRSC(London), Professor, Department of Chemistry, Indian Institute of Technology Bombay, Mumbai;

for his seminal contributions in unravelling the factors controlling chiral induction, wherein the chiral information from catalyst gets transferred to the desired product in asymmetric reactions using very high quality and rigorous electronic structure methods. His contributions have enabled the development of strategies for the synthesis of biologically relevant molecules in optically pure from which have attracted pharmaceuticals interests. His computational studies have earned contemporary significance and recognition.

Vaidya, Vidita Ashok (b 1970), PhD, Professor, Department of Biological Sciences, Tata Institute of Fundamental Research, Mumbai; for her significant contributions in the field of neurobiology, especially for her work on chronic antidepressant treatment.

Verma, Mahendra Kumar (b 1966), PhD, FNA, FASc, Professor, Department of Physics, IIT Kanpur, Kanpur; for his landmark work in understanding MHD turbulence by developing both new analytical tools and a state-of-the-art numerical code.

Science & Society

(Both the nominees in this category have made enormous contribution in propagating science among the student and rural mass, approaching the remote areas. They have been selected for their exceptional contributions to science & society.)

Bhuyan, Mantu (b 1970), PhD, Principal Scientist, Agrotechnoogy & Rural Development Division, CSIR-North East Institute of Science & Technology, Jorhat

Saxena, Manoj (b 1977), PhD, Professor, Department of Electronics, Deen Dayal Upadhyaya College, University of Delhi, New Delhi.

Scientific Contributions of Foreign Fellows Elected in Year 2021

Mathur, Sanjay (b 1968), PhD, Chair Professor, University of Cologne, Germany. Prof. Dr. Sanjay Mathur, Director & Chair Professor, Institute of Inorganic Chemistry, University of Cologne, Germany; for his seminal work in the field chemical processing of nano-ceramic materials for bio-medical applications, sensors, protective coatings and functional surfaces. In particular, his work on new chemical precursors for ceramic coatings has led to a spin-off company - Materials Alliance Cologne. His recent work on the biomedical potential of metal oxides nanostructures for cell labeling and imaging applications has received global attention. He has to his credit more than 525 papers and 11 patents and his current h-index is 57. He is a recipient of many prestigious awards and recognitions such as Fellow, European Academy of Science; RMIT International Fellow, RMIT University, Melbourne, Australia; President's Appreciation Award, KITECH, Korea; R C Mehrotra Lifetime Achievement Award, Indian Science Congress Association,; just to name a few. He has very strong association with Indian Science. Presently he is a visiting Professor, IIT Madras under the SPARC Scheme of Gol.

Somasundaran Ponisseril (*b* 1939), PhD, Professor & Director, Langmuir Center for Colloids & Surface School of Engg. & Applied Science, Columbia University, New York, USA; for his significant contributions to enrichment of scarce minerals from ultra-lean ores, non-invasive ways to diagnose plaque formation in the heart, and cleaning of oil spills.

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	Soil Science/Agroforestry/Crop Production.
ACHARYA, Chuni Lal	Soil Physics/Soil Conservation/Water Management.
ACHARYA, Radha Mohan	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	Fisheries/Aquaculture/Aquatic Microbiology.
BAGYARAJ, Davis Joseph	Agricultural Microbiology.
BALYAN, Harindra Singh	Genetics/Plant Breeding/Crop Biotechnology.
BARANWAL, Virendra Kumar	Plant Pathology/Virology.
BHARGAVA, Suresh Chandra	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	Environment.
CHAKRABORTY, Supriya	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 Research Management/Climate Policy.
CHHUNEJA, Parveen	Molecular Genetics/Genomics and Cytogenetics.

CHINNASWAMY, A. Food Engineering/Chemical Engineering/Food Nanotechnology.

CHOPRA, Virender Lal Genetics/Crop Improvement/Biotechnology. Soil Microbiology - Biological Nitrogen Fixa-

DAS, Punyabrata Fisheries and Aquaculture including Fish

Genetics.

DE, Samarendra Kumar Agricultural Botany/Agricultural Chemistry.
DHAWAN, Vibha Plant Biotechnology.

DHAWAN, Vibha Plant Biotechnology.
GHOSH, Probir Kumar Agronomy/Conservation Agriculture and

Carbon Sequestration/Soil Water
Conservation/Fodder Research.
GILL, Bakhshish Singh Parasitology/Immunology/ Epidemiology.

GUPTA, Pushpendra Kumar

Cytogenetics/Genetics & Plant Breeding/Crop
Biotechnology.

GUPTA, Raj Krishan

Soil Science/Land Reclamation, Use of Low
Quality Waters, Conservation Agriculture and
Farmer Participatory Adaptive Research.

HEGDE, Narayan Ganapa Socio-Forestry and Rural Development.

Cytogenetics/Plant Breeding/Agricultural Research Policy.

JAYAS, Digvir Singh Grain Storage/Grain Drying/Grain Quality

Monitoring.

JOSHI, Arun Kumar

JUWARKAR, Asha Ashok

Agricultural Sciences.

Remediation of contaminated ecosystems/Wastewater reuse and

recycle/Environmental Biotechnology/ Persistant Organic Pollutants.

KALRA, Alok Plant Pathology/Agricultural Microbiology/

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. LAKRA, Wazir Singh Agroforestry/Forest Ecology/Silviculture. Fisheries, Aquaculture Genetics

LAL, Rup Molecular Biology/Microbiology.
MATHUR, Pramod Behari Veterinary Parasitology.

MISRA, Sheo Gopal Soil Science/Agricultural Chemistry.

MOHAPATRA, Trilochan Molecular Plant Breeding and Agricultural

Genomics.

MONDAL, Tapan Kumar Abiotic Stress of Plant/Molecular Biology of Rice and Tea/ Wild Species of Plant.

MUKHERJEE, Prasun Kumar Trichoderma/Fungal Genetics/Secondary

Metabolism.

MUKHERJI, M.K. Agricultural Chemistry/Soil Chemistry.
NARAIN, Prem Statistical Genetics/Agricultural Statistics.
NAUTIYAL, Chandra Shekhar Plant Microbial Interactions/Agricultural

Microbiology & Biotechnology.

NIRANJANA, Siddapura R. Plant Protection/Agriculture Biotechnology/

Seed Pathology.

PANDEY, Suman Kumar Genetics & Plant Breeding/Biotechnology.

PARIDA. Swarup Kumar Agricultural Biotechnology/Molecular Genetics/Molecular Breeding. Plant Breeding/Genetics. PARODA, Rajendra Singh Climate Change/Soil Science/Rice-Wheat. PATHAK, Himanshu Agricultural Research & Administration. PATHAK, Mano Dutta Soil Science/Soil Health/Soil PATRA, Ashok Kumar Biodiversity/Carbon Management PATRA, Dharani Dhar Soil Chemistry/Soil Fertility and Plant Nutrition/Medicinal and Aromatic Plants. Grain Legume Improvement (Plant Breeding PAWAR, Sharad Eknath & Cytogenetics). PENTAL, Deepak Genetic Engineering of Corp Plants, Mustard Breeding. PETER, Kuruppacharil Varkey Horticulture/Genetics & Plant Breeding. PODILE, Appa Rao Molecular Plant-Microbe Interactions/Microbial Biotechnology in Agriculture. POLUMETLA, Ananda Kumar Plant Molecular Biology/Plant Biotechnology. PRABHU, Kumble Vinod Plant Breeding & genetics/Molecular Breeding/Genomics. Plant Genetics/Plant Breeding/Plant PRADHAN, Akshay Kumar Biotechnology. PRASAD, Rajendra Soil Fertility and Fertilizer use/Cropping Systems/Sustainable Agriculture Agronomy. PUSHPANGADAN, Palpu Biodiversity/Biotechnology/ Ethnopharmacology. RAI, Lal Chand Environmental Phycology/Cyanobacterial Proteomics and Genomics/ Abiotic Stresses. RAJARAM. Saniava Plant Breeding. 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. SETHUNATHAN, Nambrattil Environmental Microbiology. SHARMA, Shashi Bhooshan Biosecurity/Food Security/Plant Health. SHARMA, Shyam Kumar Genetics & Plant Breeding/Crop Biotechnology/Plant Genetic Resources. SIDDAVATTAM, Dayananda Soil Sciences/Agricultural Toxicology. SIDDIQ, Ebrahimali Abubacker Plant Genetics & Breeding. Genetics & Plant Breeding/Molecular SINGH, Ashok Kumar Breeding in Rice. SINGH, Kirti Horticulture/Agricultural Education. Plant Pathology/Sugarcane Research & SINGH, Kishan Management. Pre-Breeding/Plant Genetic Resources/ SINGH, Mohar Genetic Improvement. Post Harvest Technology (Food Science & SINGH, Narpinder Technology, Cereals and Pulses Grain Quality and Processing). SINGH, Udai Pratap Agriculture/Plant Sciences. SINHA, Vishwa Raman Prasad Fish & Fishery Science. SREEMAN, Sheshshayee M. Stress Physiology/Stable Isotope Biology/ Photosynthesis.

Plant Breeding/Molecular Genetics.

SRIVASTAVA, Hari Krishna

SRIVASTAVA, Jitendra Prasad SUJATHA, Mulpuri SUNDARAM, Raman M.

SWAMINATHAN, Monkombu S.

TILAK, Kolluru VBR TIWARI, Kamlesh Narayan

VIRK, Daljit Singh VIRMANI, Surinder Mohan

WILCOXSON, Roy D. YADAV, Rattan Lal

ZINGDE, Mahesh Datta ZUTSHI, D.P.

Genetics/Plant Breeding. Plant Genetics and Biotechnology. Rice Biotechnology/Molecular

Breeding/Genomics.

Cytogenetics/Sustainable Agriculture/Ecoconservation.

Microbiology (Soil/Agril. Microbiology). Agricultural Engineering/Soil and Water Engineering/Water Resource Engineering.

Genetics & Plant Breeding.

Sustainable Agriculture/Improved Natural Resource Management.

Diseases of Cereals. Agronomy/Cropping-Farming Systems/Organic Farming.

Marine Pollution. Aquatic Ecology/Environmental Science/

Conservation.

Animal Sciences

(Structural, Developmental, Functional, Genetical, Ecological, Behavioural, Taxonomical and Evolutionary Aspects)

Name	Specialization
AGARWAL, Hari Charan AHMAD, Wasim ALI, Sher	Insect Physiology & Toxicology. Nematology/Taxonomy/Ecology. Molecular Genetics and Comparative Genomics.
BALASINOR, Nafisa Huseni BALASUBRAMANIAN, S.	Reproduction/Endocrinology/Epigenetics. Fish Endocrinology and Reproductive Biology/Developmental Biology/Sexual Development.
BAMEZAI, R.N.K. BAQRI, Qaiser Husain	Genetics/Human Genetics. Nematology (Taxonomy and Ecology of Plant & Soil Nematodes).
BAQUER, Najma Zaheer BELSARE, Devidas Kisan Rao	Metabolic Regulation/Aging Brain Diabetes. General & Comparative Endocrinology/Environmental
BHATNAGAR, Colonel Vinod K.	Science/Comparative Biochemistry. Physiology of Reproduction/High Altitude Physiology.
BHATNAGAR, Rakesh	Molecular Biology of Infectious Diseases/Vaccine
BHATTACHARYA, Nirmal Kanti BHATTACHARYA, Samir	Development/Bioinsecticides. Physiology/Embryo Technology. 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 CHATTORAJ, A.N. CHAUHAN, Manmohan Singh	Pharmacology & Toxicology/Animal Science. Entomology. Reproductive Biotechnology/Assisted
CHOUDHURY, Amalesh Chandra	Reproductive Technology/Animal Cloning. Protozoology/Parasitology/Marine & Estuarine
DAS, Asit Baran DAS, Chandi Charan DAS, Gobardhan	Biology/ Mangrove & Coral Reef Ecology. Comparative Animal Physiology/Biochemistry. Cytogenetics/Cytochemistry. Infectious Diseases/Genetic Engineering/Immunity.
DASH, Aditya Prasad DASH, Madhab Chandra	Parasitology and Public Health. Ecology (Ecosystems Analysis and Modeling, Soil Biology & Vermitechnology, Population Ecology) and Environmental Science (Environmental Conservation and Environmental Management, Environmental Laws, EIA & EMP).

Animal Sciences 339

DATTA-MUNSHI, Jyoti Swarup
DEKA, Tarini Charan
Fish & Fisheries/Ecology/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

Endocrinology/Reproductive Biology. Immunobiology of Parasitic infections.

DUBE, Anuradha Immunobiology of Parasitic infections

DUTTA, Sushil Kumar Taxonomy.

GADAGKAR, Raghavendra Animal Behaviour, Ecology/Evolution.
GEETHA BALI Behaviour/Neuroethology/Insect

Physiology/Biocontrol.

Genetics.

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.

JOSHI, Amitabh Evolutionary Genetics/Population Ecology.

KAMBOJ, Kamal Kumar Parasitology.

KAMBOJ, Ved Prakash Reproductive Biology/Endocrinology/Drug

Development.

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

(Animals).

KHANNA, Vinay Kumar Neurotoxicology and Neuroprotection.

KHERA, Satendra

Parasitology/Animal & Plant
Nematology/Biology of Birds.

KOUL, Awtar Kishen Cytogenetics.

LALORAYA, Malini

KUNDU, Gopal Chandra Cancer Therapy/Drug Development/

Nanomedicine Research.

LAKHOTIA, Subhash Chandra Cytogenetics/Gene Expression/ Molecular

Biology/Stress Biology/Ayurvedic Biology. Reproductive Biology/Endocrinology/Free

Radical & Membrane Biology.

LOHIYA, Nirmal Kumar Reproductive Biology/Endocrinology.
MADAN, Motilal Reproduction/

Reproductive Endocrinology.

MADHUBALA, Rentala Molecular Parasitology/Cell and Molecular

Biology.

MAHALE, Smita Dilip Reproductive Biology/Protein

Chemistry/Endocrinology.

Endocrinology/Reproductive MAITI, Biswa Ranjan

Biology/Histology.

Environmental Endocrinology/Reproductive MAITRA, Saumen Kumar

Biology/Chronobiology.

Animal Biotechnology/Endocrinology/ MAJUMDAR, Subeer Suhash

Reproduction.

Animal Physiology/Developmental MALHOTRA, Rajender Kumar

Biology/Muscle Biology.

Fish Biology/Ecology (Wildlife). MALHOTRA, Y.R. Neurobiology of Sleep Wakefulness. MALLICK, Birendra Nath Developmental Biology/Genetics/Stem Cell MANDAL, Lolitika

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.

MATHUR, Premendu Prakash Reproductive Endocrinology & Toxicology/

Biochemistry/Bioinformatics.

Comparative Endocrinology/Animal MEDDA, Ajit Kumar

Physiology.

MEHROTRA, Purshottam Kishore Mammalian Reproduction/Early embryonic

development in female/Cell Culture/Molecular

Biology.

MICHAEL, Royappa George

MODI, Deepak N.

Limnology/Freshwater Fisheries. Reproductive Biology/Developmental

Biology/Genetics.

MOURYA, Devendra Tarachand Medical Entomology/Microbiology/Bio-

Containment.

MUKERJI, Mitali MUKHOPADHYAY, Arnab MURALIDHAR, Kambadur Genomics/ Ayurgenomics/Precision Medicine. Developmental/Functional/Genetical Aspects. Endocrinology/Biochemistry/Reproductive

Biology.

MURTHY, Puvvada Kalpana Filariasis: Host-Parasite Interaction/

Development of Immunoprophylactic(s)/New

Antifilarial Drug Development.

NAGABHUSHANAM, Rachakonda Animal Physiology/Marine

Biology/Invertebrate Endocrinology. Reproductive Biology/Ovarian

NANDEDKAR, Tarala Deepak Endocrinology/Cell Culture. NIAZI, Iqbal Ahmad

Developmental Biology of

Animals/Embryology/Regeneration.

NOMURA, Taisei Radiation Biology/Medical Developmental Biology. OKADA, Tokindo

OOMMEN, Vilaverthottathil O. Comparative Endocrinology and Physiology,

Molecular Taxonomy and Biodiversity

Reproductive Biology.

PAL, Jayanta Kumar Cell Molecular Biology/Developmental

Biology/Genetic Engineering.

Cancer Genetics/Developmental Genetics/ PANDA, Chinmay Kumar

Functional Genetics.

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PANDIAN, Thavamani Jegajothivel Genetics and Fishery Science.

Zoology/Genetics/Population Genetics. PARKASH, Ravi Mammalian Cytogenetics/Human Cancer PATHAK, Sen

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).

Chronobiology/Animal Physiology & PATI, Atanu Kumar

Glial Neurobiology/Brain Ageing/ PATRO, Isan Kumar

PRAKASH, Anil Malaria Vector Biology & Control and

Epidemiology.

PRAKASH, Bukkaraya Samudram

PRASAD, Om

PRASADA RAO, Palle Deva

PURI, Chander Parkash PURI, Sunil Kumar

RAHMAN, Qamar RAI, Karamjit S.

RAI, Umesh

RAJPUROHIT, Lal Singh

RAMAMURTHI, Rallapalli

RAMAN, Rajiva

RANGANATH, Hassan A. RAO, Addicam Jagannadha

ROY, Parimal SAHA, Nirmalendu

SAIDAPUR, Srinivas K.

SAINI, Malkiat Singh SAINIS, Krishna Balaji

SENTHILKUMARAN, B.

SESHAGIRI, Polani B.

SETH, Rakesh Kumar

SETTY, B. Sreenivasulu SHAH, Raman Vadilal

Behaviour.

Neurodegeneration and Neuroprotection.

Reproductive Physiology/Endocrinology.

Neuroendocrinology/Mammalian Toxicology. Neuroendocrinology/Fish Reproduction/Fish

and Fisheries. Reproductive Physiology.

Parasitology/Malaria Drug Discovery. Pulmonary Diseases - Toxicology. Genetics of Mosquitoes/Genome

Evolution/Disease Control.

Immunoendocrinology and Reproductive

Physiology.

Animal Behaviour (Primate in Particular),

Ecology - Wildlife Conservation (Environmental Biology).

Comparative Animal Physiology/ Environmental Biology.

Developmental Genetics/Human Genetics.

Zoology/Genetics/Evolution.

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. Comparative Animal Biochemistry and

Physiology.

Reproductive Biology/Animal

Behavior/Evolution.

Insect Morphology/Insect Systematics. Immunology/ Radiation Biology/Cancer Biology/Medicinal Plants/Antioxidants.

Fish Endocrinology and Reproductive Biology/ Developmental Biology/Sexual Development/

Endocrine Disruption.

Reproduction/Developmental Biology/Stem

Cell Biology.

Applied Entomology/Radiation Biology/Animal

Physiology and Behavior. Reproductive Biology.

Developmental Physiology/Animal

Physiology/Comparative Chordate Anatomy.

SHANBHAG, Bhagyashri Achut Comparative Endocrinology & Reproduction (Vertebrates)/Herpetology/Animal Behavior. SHARMA, Deepak Neuroscience/Brain Ageing/

Phytopharmacology.

SHARMA, G.Taru Molecular Reproductive Physiology/Oocytes Embryo Genomics/ Stem Cell Biology.

SINGH, Bashisth Narayan Genetics, Evolution and Behaviour.
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.
SINGH, Rameshwar Neurosciences/ Electrophysiology/Brain Ageing.

SINGH, Shashi Bala Environmental Physiology/Cognitive

Neurosciences.

SINGH, Surendra Nath Physiology/Biochemistry/Aging.

SINHA, Brij Mohan Fish:systematics & Morphology/Fisheries. SRIVASTAV, Ajai Kumar Fishery Biology/Endocrinology/Toxicology.

SRIVASTAVA, Chhail Behari Lal Fish Anatomy/Neurobiology.

SRIVASTAVA, Umesh Chandra SUBBARAO, Sarala Karumuri Cell Biology/Neuroanatomy/ Neurochemistry. Mosquito Genetics, Biology & Control/

Malariology/Vector-borne Diseases

Transmission Dynamics.

SUBHEDAR, Nishikant Kashinath
Neurosciences/Neuropeptides/ Animal

Behavior.

SUBRAMONIAM, T. Crustacean Reproductive Biology/

Cryobiology.

SUKUMAR, Raman Tropical Forest Ecology/Wildlife Ecology/

Climate Change.

TAHSEEN, Qudsia Taxonomy, Ecology & Developmental Biology

of Nematodes.

TANDON, Veena Parasitology/Helminthology.

TATA, Jamshed Rustom Biochemistry/Endocrinology/Development. TEWARI, Hrishi Bhu Cell Biology/Histochemistry/Neurochemistry.

THAKUR, Mahendra Kumar Neurobiology of Aging.

TRIPATHI, Renu Malaria Chemotherapy/Drug Resistance.

VERMA, Ganpati Prasad Cell Biology/Histochemistry.

VERMA, Inder M. Genetic Engineering & Genetherapy.
VIJAYAN, Edathil Neuroendocrinology/Reproductive Biology/

Immunoendocrinology/Neuroscience.
YASUDA, Kunio Molecular mechanisms of lens induction and

eye formation.

Biochemistry, Biophysics,
Biotechnology including
(Molecular and Cell Biology, Structural and Functional Studies,
Microbiology, Immunology)

Name	Specialization
ADHYA, Sankar L.	Genetics/Biochemistry/Prokaryotes (Bacteriophages).
AHMAD, Faizan	Protein folding/Protein stability/Osmolyte- protein interaction/Protein Structure-function in Macromolecular Crowding.
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.
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 Signalling/Free Radical Biology.
BANERJEE, Ranjit Kumar	Molecular Enzymology/Cell Biology.
BANERJEE, Utpal	Signal Transduction/Metabolism/
	Developmental Biology.
BANSAL, Manju	Molecular Biophysics/Structural &
	Computational Biology.
BAPAT, Sharmila Avadhut	Molecular & Cell Biology.
BASAK, Soumen	Cell Signaling/Immunology/Systems Biology.
BASU, Joyoti	Cellular and Molecular Microbiology of
	Mycobacteria.
BASU, Mukul Kumar	Host-parasite Interaction/Model
	Membranes/Targeted Delivery System.
BASU, Sandip Kumar	Molecular Biology/Microbial
	Gennetics/Biochemistry.
BATRA, Janendra Kumar	Molecular Biology/Biochemistry.
BHADRA, Rupak Kumar	Bacterial Genetics and Gene Regulations,
	Stress Biology.
BHARGAVA, Purnima	Biochemistry and Molecular Biology/
	Eukaryotic Transcription and Gene
	Expression/Chromatin and Epigenetics.

DUATNA CAR D. I.	M. I. B. I. (1 (); B. (
BHATNAGAR, Rakesh	Molecular Biology of Infectious Diseases/ Vaccine Development/Bioinsecticides.
BHATTACHARYA, Sudha	Molecular Biology/Molecular Parasitology.
BHATTACHARYYA, Suvendra N.	Molecular Cell Biology/RNA Biology.
BISWAL, Basanti	Photobiology/Molecular
BIOWIL, Basarii	Biology/Developmental Biology.
BRAHMACHARI, Samir K.	Biotechnology/Structural Biology/Genome
BRAHWACHARI, Sailii R.	Analysis.
DDALIMACHADI Vee:	
BRAHMACHARI, Vani	Epigenetics/Functional Genomics/ Molecular
	Biology.
CHADHA, Mohindra Singh	Organic and Bio-organic Chemistry.
CHAINY, Gagan Bihari Nityanand	Biochemistry/Free radical metabolism.
CHAKRABARTI, Parul	Membrane Biochemistry/Biological Chemistry.
CHAKRABARTI, Pinakpani	Structural Biology/Molecular
	Biophysics/Bioinformatics.
CHAKRABARTY, Ananda Mohan	Molecular Biology/Microbiology.
CHAKRABARTI, Oishee	Molecular and Cell Biology/
•	Neurodegeneration/Organellar Dynamics.
CHAKRABORTI, Pradip Kumar	Molecular Biology & Biochemistry/Molecular
	Microbiology.
CHAKRABORTY, Subhra	Nutritional Genomics/Plant Immunity/
ornand Borerry, Gabrilla	Proteomics & Multiomics/Molecular Biology/
	Genetic Engineering.
CHAKRAMORTTY Dipobilsho	Microbiology/Infectious Diseases/
CHAKRAVORTTY, Dipshikha	• •
CHADY Kandala Vanlata D	Immunology.
CHARY, Kandala Venkata R.	Molecular Biophysics/Biological Chemistry/
OLIATTED IEE A	Structural Biology/NMR Spectroscopy.
CHATTERJEE, Anupam	Radiation Genetics/Cancer Genetics.
CHATTERJEE, Bishnu Pada	Carbohydrates/Protein Chemistry/
	Glycobiology/Immunology.
CHATTERJEE, Smriti Narayan	Biophysics/Microbiology/Free Radicals &
	Genetic Toxicology and Biological Electron
	Microscopy.
CHATTERJEE, Subhadeep	Molecular Microbiology/Plant-Microbe
	Interaction/Pathogenesis.
CHATTERJI, Dipankar	Molecular Biology/Biophysical Chemistry.
CHATTOO, Bharat Bhushan	Molecular Biology/Genetics/Biotechnology.
CHATTOPADHYAY, Amitabha	Membrane and GPCR Biophysics and
,	Biology.
CHATTOPADHYAY, Dhrubajyoti	Molecular Virology/Transcription/
- · · · · · · · · · · · · · · · · · · ·	Biochemistry/Nanobiotechnology.
CHATTOPADHYAY, Kausik	Protein Structure-Function/Host-Pathogen
or in the restriction of the second	Interaction/Immunobiology.
CHATTOPADHYAY, Samit	Cancer Biology, Transcription and Chromatin
OTIVITOT ABITIAT, Callin	Biology, Immunology.
CHATURVEDI, Madan Mohan	Biochemistry & Molecular Biology,
CHATORVEDI, Madan Monan	
CHAUDHARY Viiou Kumar	Epigenetics.
CHAUDHARY, Vijay Kumar	Biochemistry/Protein Engineering.
CHAUHAN, Santosh	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 GUPTA, Chanchal Kumar DAS GUPTA, Maitrayee

DAS, Benu Brata

DAS, Chandrima

DAS, Kali Pada

DAS, Pijush K.

DAS, Pradeep

DAS, Sanjeev DAS, Saumitra

DATTA, Asis DATTA, Kasturi

DATTAGUPTA, Jiban Kanti

DAVISON, John DHAR, Suman Kumar

DHARMALINGAM, K.

DIKSHIT, Kanak Lata DIKSHIT, Madhu DIMITROV, Stefan

D'SILVA, Patrick Raymond

DUTTA, Chitra

EHTESHAM, Nasreen Zafar

FORD, Richard Earl GALANDE, Sanjeev GANESH, K. Nagappa

GAUTHAM, Namasivayam

GAZIT, Ehud

GHOSH, Amit GHOSH, Balaram GHOSH, Jimut Kanti

GHOSH, Mrinal Kanti

GHOSH, Prahlad C. GHOSH, Ranjit Kumar GHOSH, Sankar Kumar Molecular Virology/Cell Biology/Immunology.

Structural and Functional Studies. Biochemistry/Protein Folding. Symbiotic Nitrogen Fixation.

Topoisomerase/DNA Repair/Mitochondrial

DNA.

Biochemistry/Molecular and Cell Biology/Chromatin and Epigenetics. Biophysical Chemistry/Molecular Chaperone/Protein Folding. Biochemistry/Cell Biology/Molecular

Parasitology.

Medical Biotechnology/Molecular

Parasitology/Immunology & Cell Signalling in

Disease.

Cancer Biology.

Molecular Virology/Molecular Biology/Antiviral

Research.

Molecular Biology/Biochemistry.
Molecular and Cellular Biology/Genetic
Engineering/Functional Genomics.

Biological Crystallography/Protein Structure

and Function/Modeling.
Genetic Engineering.
DNA Replication/Cell Cycle
Regulation/Parasitology.

Genetic Engineering/Biotechnology/ Proteomics of Eye Diseases.

Molecular Biology/Biotechnology/Genetics. Biochemical & Molecular Pharmacology. Epigenetics/Biochemistry/Biophysics. Biochemistry/Cell Biology/Genetics/Chemical

Biology.

Biophysics.

Molecular Biology and Cell Biology and Cell

Signaling.

Plant Virology/Maize/Legume Viruses. Cell and Molecular Biology. Bio-organic Chemistry/Nucleic Acids Peptides/Medicinal Chemistry. Biomolecular Structure/X-ray

Crystallography/Computational Biology.
Nanotechnology/Supramolecular Chemistry/

Peptide and Metabolite Chemistry.

Molecular Biology.

Immunology/Molecular Biology/Biochemistry. Peptide Chemistry/Membrane Biology/ Biophysics/Microbial Infection/Metabolism. Biochemistry/Molecular Oncology/Targeted

Nanodelivery Across the BBB. Cell Biology/Drug Delivery.

Molecular Biology.

Biotechnology/Healthcare Genomics & Bioinformatics/ Biodiversity and DNA Bar

Coding.

GOKHALE, Rajesh Sudhir Immunometabolism, Tuberculosis, Vitiligo. GOPAL, Balasubramanian Structural Biology/Molecular Biophysics. GOPINATHAN, Karumathil P. Molecular Biology/Biotechnology. Agriculture/Molecular Biology/Nano-Agro-GOSWAMI, Arunava Biotechnology. GOWRISHANKAR, Jayaraman Microbial Genetics/Molecular Biology. 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. HASNAIN, Seyed Ehtesham Functional Biology, Molecular Pathogenesis, new diagnostics and Novel interventions against Human Pathogens. IVANOV, Vadim Tikhonovich Bioorganic Chemistry/Biochemistry. Cell and Molecular Biology/Stress Physiology. JAIN, Subodh Kumar JHANWAR, Suresh C. Cancer Genetics/Molecular Biology/Genetic Medicine. Microbial Genomics/Bioenergy/Biopolymers. KALIA, Vipin Chandra KAUL, Sunil Stress/Aging/Cancer. KAUR, Rupinder Yeast Genetics & Molecular Biology/Host Pathogen Interaction Enzymology & Enzyme Technology/Plant KAYASTHA, Arvind Mohan Biochemistry/Structure-Function Relationship in Proteins. Dengue/Vaccines/Diagnostics. KHANNA, Navin Chandra Biochemistry/Tumour KHAR, Ashok Immunology/Mammalian Cell Culture. KHOSLA, Sanjeev Epigenetics/Host-Pathogen Interaction Biology/Developmental Biology. Infectious Diseases/Immunology KITHIGANAHALLI, N. Balaji KOLASKAR, Ashok Sadanand Protein folding/Biological Data Banks & Data Mining/ Theoretical Molecular Biophysics & Bioinformatics. Molecular Biology/Gene KOLLURU RAMAIAH, V.A. Expression/Translational Regulation. Metabolic Sensing/Nuclear-Mitochondrial KOLTHUR-SEETHARAM, Ullas Epistasis/Gene Expression Mechanisms. Computational & Structural Biophysics. KOTHEKAR, Vidya Vinayak KOYAKUTTY, Manzoor Cancer - Nanomedicine/Nanotechnology/ Immunology. KUHAD, Ramesh Chander Secondary Agriculture Microbial Biotechnology (Bioconversion of Crop Byproducts to Value Added Products). KUMAR, Dhiraj Immunology/Infectious Diseases/Cell Biology. KUNDU, Subhas Chandra Biomaterials/3D cancer modelling/ Regenerative medicine/Tissue engineering. Computational System Biology/Structural KUNDU, Sudip Bioinformatics/ Evolutionary Biology. KUNDU, Tapas Kumar Regulation of Gene Expression/Chemical Biology. Applied Biology/Microbiology/Biotechnology/ MADAN, Mira Transfer of Technology. Bioorganic Chemistry/Xenobiotics MADYASTHA, Madhava Kattigari Metabolism/Microbial Transformations.

Molecular Genetics.

MAHAJAN, Suresh Kumar

NALLAMALA, Manjula Reddy NANDICOORI, Vinay Kumar

NATARAJAN, Krishnamurthy

NELSON, Karen Elizabeth

NOMURA, Taisei

Membrane Protein Biophysics/Protein MAHALAKSHMI. Radhakrishnan Folding/Mitochondrial Bioenergetics. MAHAPATRA, Nitish Ranjan Gene Regulation/Molecular Medicine/Human Molecular Genetics. MAITI. Motilal Molecular Biophysics/Biophysical Chemistry. MAJI, Samir K. Protein Biochemistry/Amyloid Diseases/Biomaterials. Signal Transduction/Cell Biology/Immunology. MAJUMDAR, Subrata MAJUMDER, Gopal Chandra Sperm Biochemistry/Membrane Biology/Enzymology. Biochemistry/Parasitology/Molecular Biology. MAJUMDER, Hemanta Kumar MALHOTRA, Om Prakash Enzymology. MALHOTRA, Pawan Malaria Parasite Biology/Molecular Biology/ Drug & Vaccine Development. Cancer Biology/ Glycobiology/Leishmaniasis. MANDAL, Chitra MANDAL, Mahitosh Cancer Drug Discovery/Cell Signaling/Drug Delivery. MANDAL, Nitai Chandra Molecular Biology. Biophysics/Condensed Matter Physics/ MENON, Gautam Iqbal Computational Biology. Radiation Biology/ Cancer Biology/Free MISHRA, Kaushala Prasad Radical Research/Biophysics. MISHRA, Rakesh Kumar Molecular Genetics/Genomics/Epigenetics. MISRA, Hari Sharan Cellular and Molecular Responses to Stress/Genome Biology/ Molecular Biochemistry. Chemistry/Molecular Biology/Medical MISRA, Krishna Biotechnology.
Microbiology/Virology/Immunology. MITRA, Debashis Biophysical Chemistry/Molecular Biology/ MOHAN RAO, Chintalagiri Diagnostic & Nanobiology. MOHANTY, Debasisa Bioinformatics/Biophysics/Structural and Computational Biology. MUKHERJEE, Rama Mycobacterial Immunology. MUKHOPADHYAY, Amitabha Cell Biology. Iron Homeostasis/Host-parasite Interaction/ MUKHOPADHYAY, Chinmay K. Gene Regulation. MUKHOPADHYAY, Sangita Immunology/Tubuculosis (Infection)/Cell Signaling. MUNIYAPPA, K. Molecular Genetics/Cell Biology/Genomics. MURTHY, Mathur Ramabhadra N. X-ray Crystallo-graphy/Virus Structure and Assembly/Protein Structure and Function/ Protein Evolution. Peptide & Protein Biochemistry/Membrane NAGARAJ, Ramakrishnan Biochemistry. Regulation of Gene Expression/Molecular NAGARAJA, Valakunja Biology of Mycobacteria/R-M Systems. NAGARAJU, Ganesh DNA Damage Responses/Cell Biology/Cancer

Bacteriology/Bacterial Cell wall Synthesis.

Transcription and Gene Regulation.

Radiation Biology/Medical Genetics.

Human Microbiome/Genomics.

Molecular Biology/Cell Biology/Biochemistry. Cellular and Molecular Biology/Chromatin,

PADMANABAN, Govindarajan Molecular Biology/Recombinant DNA/Malaria

Parasite Biology.

PAL, Rahul Immunology/Cancer Biology.

Biochemistry/Cell Biology/Biotechnology/ PANDA, Dulal

Pharmacology.

PANDEY, Ashok Industrial & Environmental Biotechnology-

Waste to Wealth/Industrial Enzymes/Solid-

State Fermentation.

Physiology/Biochemical PARMAR, Surendra Singh

Pharmacology/Chemical Pharmacology/ Medicinal Chemistry/Biochemistry/Chemistry.

PRAKASH, Balaji Structural Biology/Biochemistry.

PRAKASH, Vishweshwaraiah Protein Biophysical Chemistry/Nutraceuticals/

Nutritional Biochemistry.

Membrane Biology/Fungal Genetics/Drug PRASAD, Rajendra

Resistance.

Biochemistry/Biotechnology/ Molecular Plant PRAVEEN, Shelly

Virology.

PRIYADARSINI, Kavirayani Indira Biophysical Chemistry/Free Radical

Chemistry of Antioxidants/Radioprotectors/ Anti-Cancer Drug Formulations. Immunology/Microbiology/Biochemistry.

QADRI, Ayub QADRI, Firdausi Biochemistry/Immunology/Vaccine Research.

Bioinformatics. RAGHAVA, Gajendra Pal Singh

Cell Biology/Signal Transduction. RAHA, Sanghamitra RAJASEKHARAN, Ram Lipid Metabolism.

RAJE, Manoj Biophysics/Cell Biology/Infectious Diseases/High Resolution Imaging.

RAMACHANDRAN, S. Microbial Biochemistry.

RAMAMURTHY, Thandavarayan Microbiology (Enteric Diseases)

Cancer Stem Cells/Cancer Biology/Signal 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 DNA-Protein Interactions.

Molecular Biology & Cell Biology/Genomics & RAO, M.R. Satyanarayana

Human Molecular Genetics.

RASTOGI, Anil Kumar Biochemistry of Parasitic Infection/Metabolic

Disorders.

Medicinal Chemistry and Catalysis. RAWAT, Diwan S. Molecular and Cell Biology. RAYALA, Suresh Kumar

REDDY, G. Bhanuprakash Biochemistry/Molecular Biology/Nutrition. ROY, Sib Sankar Cancer Biology/Insulin Resistance/Metabolic

Disorders.

ROY, Syamal Immunology/Parasitology.

Human Genetics/Cancer Genomics/Cancer ROYCHOUDHURY, Susanta

Cell Biology.

SA, Gaurisankar

Cancer Biology/Tumor Immunology/ Development of Immunotherapy/Drug development/DNA Vaccine/ Genomic of

Cancer, Biochemistry.

Immunology/Signal Transduction/ SAHA, Bhaskar

Parasitology/Tumor Immunology/

Immunometabolomics.

Molecular and Cell Biology of Leishmania SAHA. Swati

Parasites.

SAHNI, Girish Enzymology/Protein Engineering/Protein

Science Biotechnology.

Complement Biology/Molecular Virology. SAHU, Arvind

SALUNKE, Dinakar M. Structural Biology.

SAMBHARA, Survaprakash Immunology/Infectious Diseases/Vaccines. Medicinal and Aromatic Plants/Functional SANGWAN, Neelam S. Genomics/Metabolic Pathways of Aroma

Chemicals and Specialized

Phytopharmaceuticals/Phytopharmaceuticals

for Health and Agriculture.

Structural Biology/Translation Quality Control/ SANKARANARAYANAN, Rajan

X-Ray Crystallography.
Cancer Biology/Cell Cycle/Cellular Signaling. SANTRA, Manas Kumar Eukaryotic Chromosome Segregation/ SANYAL, Kaustuv Centromere-Kinetochore/Epigentics.

SANYAL, Sabyasachi Molecular & Cell Biology/Cell Signaling/Drug

Discovery.

SARAN, Anil Molecular Biophysics/Magnetic

Resonance/Quantum Biology &

Pharmacology.
Biochemistry/Molecular Cell Biology/ SARKAR, Debi Prasad

Biotechnology.

SARKAR, Dibyendu Bacterial Gene Regulation/Signal

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 SETH, Prahlad Kishore

Neurosciences, Biochemical Toxicology/ Neurotoxicology/Developmental Toxicology.

Cell Biology/Physiology. SHAHA, Chandrima

SHARMA, Amit Prakash Structural Biology/Malaria/Protein Function. SHARMA, Pushkar Signal Transduction/Biochemistry/Malaria/ Neuroscience.

Enzymology/Hormone Action SHARMA, Ramesh

Mechanism/Aging.

Plant Genomics/Bioinformatics/Plant Disease SHARMA, Tilak Raj

Resistance.

SHARMA, Yogendra Biophysics.

Genetics & Developmental Biology. SHASHIDHARA, L.S.

SHIVAJI, Sisinthy Reproductive Biology/ Conservation Biology/ Microbiology/Extremophiles/Microbiome/Biofilm.

SHUKLA, Arun Kumar Cellular Signaling/Structural Biology/Drug

Discovery

SHUKLA, Ashok Kumar Materials Electrochemistry with emphasis on

Batteries/ Fuel Cells/Supercapacitors and

Solid Ionics.

SINGH, Amit Molecular and Cell Biology/Microbiology/

Immunology.

Radiation Biology and Laws Relating to IPR SINGH, Bam Bahadur

> (Intellectual Properties) and Civil Laws including Constitutional Remedies.

SINGH. Neeru Epidemiology and Vector Control/Tribal-

Forest Malaria/Malaria in Pregnancy.

Biochemistry/Molecular SINGH, Randhir

Biology/Biotechnology.

SINGH, Yogendra Infectious Diseases/Protein Toxins. SINHA, Pratima Molecular Biology/Yeast Genetics. SINHA, Somdatta Theoretical Biology/Mathematical

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 Microbial & Molecular Genetics/ Biotechnology/Molecular Biology.

SRIVASTAVA, Ravindra Kumar Biochemistry. NMR/Biophysics. SRIVASTAVA, Sudha

Protein Folding & Design/Cell Surface SUROLIA, Avadhesha Carbohydrate/Molecular Biology of Malaria

Parasite and Anti-malarial Drug.

SUROLIA, Namita Molecular Parasitology/

Biochemistry/Molecular Biology. SWAMY, Musti Joginadha Protein Chemistry and Protein-Ligand

Interactions/Lipid Phase Behaviour and Lipid-Protein Interactions/Biomembrane

Structure and Function.

SWARNAKAR, Snehasikta Biochemistry & Protease Biology.

Molecular Microbiology/Bacterial Genetics/ TRIPATHI, Anil Kumar

Gene Regulation. Endocrinology.

TRIVEDI, Ritu Molecular Biology. TYAGI, Anil Kumar

Molecular and Cellular Endocrinology/Nuclear TYAGI, Rakesh Kumar Receptors in Health and Disease/Nuclear

Receptors and Drug Metabolism.

UKIL, Anindita Cell Biology/Immunology/Molecular

Parasitology.

VARSHNEY, Umesh Molecular Biology/Protein Synthesis/DNA

Repair.

VERMA, Rama Shanker Stem Cell/Immunology/Molecular and Cell

Biology.

VERMA, Rishendra Microbiology/Immunology/Mycology/Lab

Science.

X-Ray Crystal Structure Analysis/Protein VIJAYAN, Mamannamana Crystallography/ Molecular Biophysics.

VIJYRAGHAVAN, Krishnaswamy Developmental Genetics.

VISHVESHWARA, Saraswathi Computational Biology/Bioinformatics/Protein

Structure Networks.

Chemical Biology/Glycobiology/Drug VISHWAKARMA, Ram

Discovery.

Stress/Aging/Cancer. WADHWA, Renu Molecular Genetics. WATSON, James D.

Structural Biology/Structural WUTHRICH, Kurt Genomics/Biochemistry.

Chemical Sciences

(Analytical, Inorganic, Organic, Physical, Theoretical Chemistry, Applied Chemistry)

Specialization

ADHIKARI, Satrajit AGARWALA, Umesh Chandra

AHLUWALIA, Vinod Kumar

ANAND, Nitya ARUNAN, Elangannan AYYAPPANPILLAI, Ajayaghosh

BADYAL, Jas Pal Singh BAGCHI, Biman

BAKHSHI, Ashok Kumar

BALLA, Rajakumar

BANERJEA, Debabrata

BANERJI, Krishna Dulal

BASAK, Amit BATRA, Sanjay BERA, Jitendra Kumar

BHADURI, Amiya Prasad BHARATAM, Jagadeesh BHARGAVA, Suresh Kumar

BHASIKUTTAN, Achikanath C.

BHASIN, Kuldip K. BHATNAGAR, Surendra Prasad

BHATTACHARYYA, Aninda Jiban

BHATTACHARYYA, Kankan

BHUSHAN, Ravi

BLOKHRA, Ratan Lal

BORUAH, Romesh Chandra BRAR, Ajaib Singh

CHAKRABORTY, Tushar Kanti

Physical/Theoretical Chemistry. Inorganic Chemistry/Organometallic Chemistry/Reaction Mechanism. Synthetic Organic Chemistry/Green Chemistry/Environmental Chemistry. Medicinal Chemistry.

Spectroscopy/Kinetics/Bonding. Photoresponsive Materials/Self Assembly/Molecular Probes. Surface Science.

Physical Chemistry/Biophysical Chemistry/ Molecular Relaxation Processes and Chemical Dynamics.

Physical Chemistry/Theoretical Polymer

Chemistry.

Atmospheric Chemistry/Combustion Chemistry/Gas Phase Chemistry. Inorganic Chemistry/Coordination

Chemistry/Inorganic Reaction Mechanism. Organic Chemistry-Particularly Synthetic Organic Chemistry. Organic Chemistry/Medicinal Chemistry.
Organic Chemistry/Medicinal Chemistry.

Organometallic Chemistry/Catalysis/

Sustainable Chemistry. Medicinal Chemistry.

Chemical Sciences - Magnetic Resonance. Industrial Chemistry/Catalysis/Anti Cancerous Gold Drug Development/Nanotechnology/ Gaseous Sensors.

Photochemistry, Time Resolved Absorption & Fluorescence Spectroscopy, Supra & Bio-

Molecular Assemblies.

Inorganic and Organometallic Chemistry. Organic Chemistry/Industrial Chemistry/Bio-Organic Chemistry/Science Management. Physical Chemistry/Materials Chemistry/

Energy.

Physical Chemistry/Ultrafast Lasers/Organized Assemblies. Organic Chemistry/Proteins/Liquid

Chromatography, Enantiomeric Resolution. Electro-Chemistry/Thermodynamics/

Membrane Transport.

Synthetic Organic Chemistry.

NMR & Polymer.

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.

Natural Product Synthesis/Green Chemistry/ CHANDRASEKHAR, Srivari

Drug Discovery.

Organometallic Chemistry/Inorganic CHANDRASEKHAR, Vadapalli

Chemistry.

Inorganic/Bioinorganic Chemistry. CHANDRASHEKAR, K. T. CHATTARAJ, Pratim Kumar Density Functional Theory/Chemical Reactivity/Nonlinear Dynamics.

Kinetic & Reaction Mechanism/Catalysis/ CHATTERJEE, Debabrata

Photocatalysis.

Photochemistry/Biophysical Chemistry/ CHATTOPADHYAY, Nitin

Surface Chemistry.

Bio-organic Chemistry/Asymmetric CHATTOPADHYAY, Subrata

Synthesis/Biocatalyst.

CHEETHAM, Anthony Kevin Chemistry of Materials.

CHELLAPPAN, Retna Raj Electrochemistry/Materials Chemistry/

Analytical Chemistry.

Transition Metal Chemistry/Infrared and CLARK, Robin Jon Hawes

Raman Spectroscopy.

Bio-Organic Chemistry/Bio-Physical DANABOYINA, Ramaiah

Chemistry/Organic Photochemistry. 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.

Inorganic Chemistry/Polyoxometalate DAS, Samar Kumar Chemistry/Coordination Chemistry.

Physical Chemistry. DATTA. Anindva

DESIRAJU, Gautam Radhakrishna Supramolecular Chemistry/Crystal

Engineering/Drug Design.

DETHE, Dattatraya Hanumant

DHAR, Durga Nath

DAS SARMA, Dipankar

Organic Synthesis.

Synthetic Organic Chemistry/Natural

Products.

Organic Chemistry/Carbohydrate Chemistry. DHAVALE, Dilip Dattatray DHEVALAPALLY, R. Buchi

Asymmetric Organocatalysis/Reaction

Engineering/Total Synthesis.

Inorganic Chemistry/Coordination DHINDSA, Kuldip Singh

Chemistry/Biological Chemistry/Agrochemicals.

DIXNEUF, Pierre H. Chemical Sciences: Catalysis/ Organometallics/Organic.

Physical Chemistry/Photochemistry.

DOGRA, Sneh Kumar

Physical Chemistry. DUTTA, Rup

Nanoscience and Nanotechnology of GAJBHIYE, Namdeo Shriramji Materials/Solid State Chemistry. Nanomaterials/Superconductors. GANGULI, Ashok Kumar

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GARIKAPATI, Narahari Sastry
Theoretical Chemistry/ Computational Chemistry/Computational Biology/
Chemoinformatics.
GHANTY, Tapan Kumar
Physical Chemistry/Theoretical Chemistry/
Density Functional Theory.

GHORAI, Manas K. Synthetic Organic Chemistry.
GHOSH, Hirendra Nath Femtosecond Visible, Infrared & Terahertz

Spectroscopy/Ultrafast Photochemistry & Reaction Dynamics in Solution Phase/Ultrafast Electron Transfer Dynamics/

Ranostructured Quantum Dot Materials.

GHOSH, Sundargopal
GHOSH, Swapan Kumar
GHOSH, Swapan Kumar
GHOSH, Swapan Kumar
Theoretical Chemistry/Soft Condensed Matter Physics/Computational Materials Science.

GILL, Dip Singh
Physico-Inorganic Chemistry/Copper (I)

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 Sy

GOVINDASAMY, Sekar Organic Synthesis/Asymmetric Synthesis/Catalysis.

GREE, Rene Louis Organic/Applied Chemistry.

GUPTA, Kailash Chand
GUPTA, Satya Prakash
Nano-Biotechnology/Nucleic Acids Chemistry.
Quantum Chemistry/Biophysics/ Computer-

Aided Drug Design.

GUPTA, Vinod Kumar

Chemical Sensors/Waste Water
Treatment/Electroanalytical Chemistry.

GUPTA, Virendra Kumar

Organometallic Chemistry/Polymer Science/

R&T Management.

GUPTA, Vishnu Deo Organometallics/Coordination Chemistry.

GUPTA, Yugul Kishore Physical Chemistry/Kinetics and Mechanism/Analytical Chemistry.

GURJAR, Mukund Keshao Organic Chemistry.

HAJRA, Saumen

Asymmetric Synthesis/Asymmetric Catalysis/
Diversity Oriented Synthesis (DOS)/Stereodivergent Synthesis of Compounds with Multi-

Stereocenters.

HASSAN, Puthusserickal A. Colloids/Polymers/Surfactants.

HIREMATH, Shivayogi Pattadarya Organic Chemistry

HOSUR, Ramakrishna V. Physical Chemistry/NMR/Structural Biology. IYER, S.R. Sivaraja Chemical Technology.

JAIN, Amolak Chand Organic Chemistry/Bio-Organic Chemistry.
JAIN, Dharam Vir Singh Physical and Theoretical Chemistry.
JAIN, Vimal Kumar Inorganic and Organometallic Chemistry.

JEMMIS, Elevethingal Devascy Computational Chemistry/Quantum

JEMMIS, Eluvathingal Devassy Computational Chemistry/Quantum Chemistry.

KAMAL, Ahmed Medicinal Chemistry/Organic Chemistry/Bioorganic Chemistry.

KANNAN, Shanmugaperumal Inorganic Chemistry.
KANT, Krishna Physical/Surface Chemistry.

KAPOOR, Ramesh Narain Organometallic Chemistry/Coordination

Chemistry.

KESSAR, Satinder Vir Synthetic Organic Chemistry.

KHAN, Badar Taqui Coordination Chemistry/Bio-inorganic 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. Organic Synthesis/New Synthetic Methods. KOTHA, Sambasivarao 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. Nuclear Magnetic Resonance Spectroscopy KUMAR, Anil and its applications to Biomolecular Structure Determination and Quantum Computing. Organic Chemistry/Mol. Recognition and KUMAR, Subodh Supramolecular Chemistry. KUNWAR, Ajit Chand NMR Spectroscopy. Coordination Chemistry/Electrochemistry/ LAHIRI, Goutam Kumar Spectroscopy. Catalysis/Materials/Organometallic Chemistry. LAKSHMIKANTAM, Mannepalli LEVITT, Malcolm Harris Magnetic Resonance. Inorganic Chemistry/Bio-inorganic Chemistry/ LOBANA, Tarlok Singh Organometallic Chemistry. MADHUSUDANAN, Kunnath P. Mass Spectrometry Physical Chemistry/Chemical Kinetics/Radiation Chemistry/ Analytical MAHADEVAPPA, Dandinasivara S Chemistry. MAHAJAN, Mohinder Pal Synthetic and Mechanistic Organic Chemistry/Development of Novel Synthetic Strategies in Synthesis of Heterocyclic Compounds/Heterodiene Cycloadditions. MAHAJAN, Rakesh Kumar Chemical Sensors/Colloids and Interfaces/Material Chemistry. MAHAPATRA, Susanta Theoretical Chemistry/Chemical Dynamics. MAITY, Dilip Kumar Theoretical & Computational Chemistry. Inorganic Chemistry. MALHOTRA, K.C. Photochemistry/Laser Fabrication/Time MASUHARA, Hiroshi resolved Spectroscopy.
Inorganic Chemistry/Processing of MATHUR, Sanjay Nanomaterials/Surface Engg. Technologies. Analytical Chemistry/Physical MATTOO, Brij Nath Chemistry/Forensic Science. MAZUMDAR, Shyamalava Inorganic Chemistry/Biophysical Chemistry/Biochemistry. Organic Chemistry. MEHROTRA, K.N. MEHTA, Goverdhan Organic Chemistry. MISHRA, Ashok Kumar Fluorescence Spectroscopy/Physical Photochemistry. MISHRA, Manoj Kumar Physical/Theoretical Chemistry. Environmental Sciences/R&D MISHRA, Umesh Chandra Management/Radiation Protection. MITRA, Samaresh Biological & Bioinorganic

Chemistry/Magnetochemistry

Dynamics/Laser Chemistry.

Structures.

Radiation & Photochemistry/Chemical

Réaction Dynamics/Ultrafast Spectroscopy/ Laser-Induced New Properties and

MITTAL, Jai Pal

MIYASAKA, Hiroshi

Chemical Sciences 355

Molecular Photochemistry/Time-resolved

MOHANTY, Jyotirmayee

Fluorescence Spectroscopy/Supramolecular Chemistry Inorganic Chemistry/Separation Science/ MOHAPATRA, Prasanta Kumar Analytical Chemistry. Bioinorganic Chemistry/Medicinal MUGESH, Govindasamy Chemistry/Chemical Biology. Theoretical Chemistry/Quantum Science. MUKHERJEE, Debashis MUKHERJEE, Saptarshi Physical Chemistry/Ultrafast and Single Molecular Spectroscopy of Luminescent Metal Nanoclusters and Biological Assemblies. MUKHERJEE, Tulsi Physical Chemistry/Radiation Chemistry/ Photochemistry/ Laser Chemistry/Ultrafast Spectroscopy/Nanoscience & Nanotechnology/Surface Science. Organic Chemistry. MYSORE. Shashidhar Srikantiah 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. NANGIA, Ashwini Supramolecular Chemistry/Crystal Engineering. NARULA, Suraj Prakash Inorganic/Organometallic Chemistry. NATARAJAN, Śrinivasan Inorganic Materials Chemistry. NEELKANTAN, S. Organic & Natural Products Chemistry. Solid State Chemistry. NINGTHOUJAM, Raghumani S. OGAWA. Seiii Functional MRI. PAKRASHI, Satyesh Chandra Chemistry of Natural Products. PAL, Haridas Photochemistry/Electron & Proton Transfer Processes/Supramolecular Chemistry. PAL, Sourav Theoretical Chemistry. PAL, Tarasankar PALIT, Dipak Kumar Inorganic Chemistry/Nano Science/Catalysis. Radiation Chemistry/Photochemistry/Ultrafast Spectroscopy. Organometallic/Bioinorganic/Supramolecular PANDEY, Daya Shankar Chemistry. PANDEY. Ganesh Prasad Organic Synthesis/Bioorganic Chemistry. Inorganic Chemistry/ESR Spectroscopy/ PANDEYA, Krishna Bihari Mössbauer Spectroscopy. PATEL, Bhisma Kumar Organic Synthesis/Catalysis/Reaction Mechanism. Quantum Magnetism/Modeling PATI, Swapan Kumar Thermoelectric, Photovoltaics Materials,

PATIL, Nitin Tukaram
Organic Synthesis/Metal
Catalysis/Organocatalysis.
PATRA, Amitava
Organic Synthesis/Metal
Nanoscience/Spectroscopy/Photonic.

PEDIASAMY Nollogounder Chamietry/Elyprocesses

PERIASAMY, Nallagounder Chemistry/Fluorescence

Spectroscopy/Materials Chemistry. PERUNTHIRUTHY K., M. Nuclear Magnetic Resonance.

POLSHETTIWAR, Vivek Nanocatalysis/Climate Change/Solar Energy.

Energy Transport/Homogeneous catalysts and Electro-catalysts/ Photo-catalysts/Opto-electronics/Dipolar Bosonic and Fermionic lattice/quantum time dependent phenomena.

PRADEEP, Thalappil Molecular & Nanoscale Materials/ Nanoscience & Nanotechnology/Water

Purification, Instrumentation.

PRAKASH, Surya G.K. Organic/Energy/Hydrocarbon Chemistry and

Methanol Economy.

PRASAD, Paras Nath Physical Chemistry/Photonics/Nanomaterials. PUNNIYAMURTHY, Tharmalingam Synthetic Organic Chemistry.

RADHAKRISHNAN, T. P. Materials Chemistry.

Organic Synthesis/Natural Products/Medicinal RAMA RAO, Alla Venkata

Chemistry.

RAMAMURTHY, Perumal Photosciences/Ultrafast Spectroscopy/Nanophotonics.

RAMANATHAN, K. Venkatachala Nuclear Magnetic Resonance.

RAMARAJ, Ramasamy Physical, Inorganic and Analytical Chemistry. RAMASAMI, Thirumalachari

Inorganic Chemistry/Chemical Dynamics/Leather Science.

RANGAPPA, K. S. Bioorganic and Medicinal Chemistry. RAO, Chebrolu Pulla Inorganic Chemistry/Bioinorganic, Supramolecular, Chemo Sensors and

Nanobiomaterials. Chemistry of Materials.

RAO, Chintamani Nagesa R. RAO, Kalya Jagannatha RATANASAMY, Paul Physical Chemistry. Catalysis/Zeolites. RATH, Sankar Prasad Bioinorganic Chemistry/Coordination

Chemistry.
Inorganic Chemistry/Supramolecular RAVIKANTH, Mangalampalli

Chemistry. Medicinal Chemistry/Development of Fertility RAY, Suprabhat

Regulating Agents. REDDY, Basireddy Venkata Subba Asymmetric Synthesis/Medicinal

Chemistry/Green Chemistry. Catalysis/Green Chemistry/Nano-materials. REDDY, Benjaram Mahipal

Supramolecular Chemistry/Crystal 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.

Nuclear Magnetic Resonance. ROY, Raja ROY, Rajendra P. Protein Chemistry/Chemical Biology. SAHOO, Akhila Kumar Organic Chemistry Photochemistry/Photophysics/Ultrafast SAMANTA, Anunay

Spectroscopy. Synthetic Organic Chemistry/Bio-organic SANDHU, Jagir Singh

Chemistry.

SARKAR, Nilmoni Physical Chemistry/Ultrafast Spectroscopy/

Photochemistry. Organic Chemistry. SATISH, Sheo

SCHWARZ, Helmut Physical/Theoretical/Organic Chemistry. SHARMA, Gangavaram V. M. Glyco- and Peptide Chemistry/Drug

Discovery/Organic Synthesis.

SIDHU, Gurbachan Singh Organic Chemistry. Chemical Sciences/ Organic & Bioorganic SINGH, Anil Kumar Chemistry/Photochemistry & Photobiology.

SINGH, Harjit Heterocyclic Chemistry/Supramolecular

Chemistry.

Organometallic Chemistry/Inorganic SINGH, Harkesh Bahadur

Chemistry.

Chemical Sciences 357

SINGH, Krishna Nand Organic Synthesis/Methodology Development. Synthetic Organic Chemistry. SINGH, Maya Shankar SINGH, Pashupati Prasad Coordination Chemistry/Environmental Science. SINGH, Tej P. X-ray Crystallography/Protein Structure/ Peptide Design/Drug Discovery. Synthetic Organic Chemistry. SINGH. Vinod Kumar SINGH, Vishwakarma Organic Chemistry/Organic Synthesis and Photochemistry. Chemical Science/Organic Chemistry, Green SINHA, Arun Kumar Chemistry, Natural Product Chemistry. Polymer Science and Technology/Industrial SIVARAM, Swaminathan Organic Chemistry/Science, Technology Innovation and Public Policy. SRIVASTAVA, Ashwini Kumar Analytical Chemistry/Electrochemistry/ Chromatography Organometallics/X-ray Diffraction/ SRIVASTAVA, Prakash Chandra Supramolecular Chemistry. SRIVASTAVA, Ramesh Chandra Non-equilibrium Thermodynamics/Network Thermodynamics/Biophysical Transport Studies. Theoretical Chemistry/Computational SUBRAMANIAN, Venkatesan Chemistry/Computational Biology. Liquid Crystals/Surface Science. SURESH, Kattera Appanna Chemical Science/Organic Chemistry/ SUNOJ, Raghavan B. Theoretical Chemistry/ Machine Learning. SURYAPRAKASH, Nagarajarao NMR Spectroscopy/Liquid Crystals. SWAMY, Musti J. Protein Chemistry and Protein-Ligand Interactions/Lipid Phase Behaviour and Lipid-Protein Interactions/Biomembrane Structure and Function. 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. TYAGI, Avesh Kumar Nuclear Materials/Nanomaterials/Functional Materials/ Hybrid Materials. UMAPATHY, Siva Laser Spectroscopy/Laser Instrumentation/ Photochemistry & Photophysics. VARADARAJAN, Srinivasan Organic and Biological Chemistry and Technology. Polymer Science/Polymer Chemistry. VARMA, Indra Kumari VARSHNEY, I.P. Organic Chemistry (Natural Products). VASANTHAKUMARAN, Sudarsan Solid State Chemistry/Luminescence. VASUDEVA RAO, P.R. Actinide Chemistry/Separations Chemistry/ Nuclear Fuel Chemistry. VASUDEVAN, Padma Chemistry. VATSA, Rajesh Kumar Photophysics and Photochemistry of Clusters/Time-of-flight Mass Spectrometry/Coulomb Explosion. Physical Chemistry/Bio-polymers/X-ray VENKATAPPA, M.P.

Diffraction Studies

Bionanotechnology.

VERMA, Sandeep

Chemical Biology/Bioinspired Soft Matter/

VIJH, Ashok Kumar

WOLFRUM, Jurgen Manfred

WRIGHTON, Mark Stephen

XU, Qiang

YADAV, Jhillu Singh ZAIDI, Saiyid Aftab Ahmad

Electrochemistry/Solid State Science/Chemical Physics of Interfaces. Laser Diagnostics in Chemistry/Combustion/Catalysis/Systems Biology. Inorganic and Physical Chemistry. Inorganic Chemistry/Physical Chemistry/ Applied Chemistry. Organic Synthesis/Natural Products. Coordination Chemistry.

Earth Sciences

(Atmospheric Sciences, Geo-Sciences, Oceanography Geography-Scientific aspects)

Name	Specialization
ACHARYYA, Subhrangsu Kanta AGRAWAL, Dharma Pal	Stratigraphy/Tectonics/Geodynamics. Palaeoclimate/History of Science & Technology/Evolution of Brain/Traditional Knowledge Systems.
AHMAD, Talat	Igneous Petrology/Geochemistry/Himalayan Geology.
AHMED, Shakeel	Ground Water Hydrology/Geophysics/ Geostatistics.
AJAI	Geomatics/Environment/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.
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 DASIKA, Durga Prasada Rao DIMRI, Ashok Priyadarshan	Metamorphic Petrology/Ore Geology. Geosciences/Remote Sensing. Himalayan Climate/Climate Modeling/Two Rains: Summer & Winter.
DIMRI, Vijay Prasad DORAISWAMY, Shankar	Geophysics/Fractals/Signal Processing. Tropical Ocean Dynamics/Ocean-atmosphere Interaction/ Monsoons.
GAUR, Vinod Kumar	Earth System Science (Geophysical Sciences).
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.

Planetary Atmospheres/Mars HAIDER, Syed Aftab Aeronomy/Cometary Atmospheres. JAYANANDA, Mudlappa Geochemistry/Radiogenic Isotopes/ Early

Earth Dynamics/Origin of Protocontinents. Tropical Indo-Pacific and Monsoonal KARUMURI, Ashok

Variability/Earth System Modeling/Seamless

Prediction and Applications.

KESHAVAMURTY, R.N. Meteorology/Atmospheric Physics/Monsoon

Studies/Climate Studies. Paleontology/Geobiology.

KNOLL, Andrew Herbert KOLLURU, Krishna Sree Marine Geology and Geophysics.

KRISHNAMOORTHY, K. Atmospheric Sciences/Aerosols/Radiative

Forcing.

Oceanography/Biogeo Chemistry. KUMAR, Maripi Dileep

Seismic/Seismology. KUMAR, Prakash

LAKHINA, Gurbax Singh Geomagnetism and Space Plasma Physics. LAL, Shyam Atmospheric Science/ Atmospheric Chemistry /Ozone and trace gases/ Environmental and

Climatic Changes.

Chemical Engineering/Polymers/Catalysis. MADRAS, Giridhar

MANDAL, Prantik Tomographic Inversion/Modeling &

Processing of Earthquake Data/Modeling of

Earthquake Hazard.

Geophysics (Computational Geodynamics). MANGLIK, Ajai MELOTH, Thamban Cryospheric Studies/Ice Core

Palaeoclimatology/Polar Studies. MERH, Sukumar Shyamlal Structural & Metamorphic

Geology/Quaternary Geology. 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.

MOHANTY, Uma Charan Numerical Weather Prediction/Monsoon

Dynamics/Climate Modelling/Climate Change Studies/Tropical Meteorology/ Mesoscale

Modelling System.

Structural Geology/Precambrian MUKHOPADHYAY, Dhrubajyoti

Geology/Metamorphic Petrology.

MUTHALAGU, Ravichandran Oceanography.

NAQVI, Syed Wajih Ahmad Oceanography/Aquatic Biogeochemistry/

Global Chance.

Earth Sciences 361

Geo-Tomography/Earthquake & Engineering NATH. Sankar Kumar

and Exploration Seismology/Mathematical

Geophysics.

NAYAK, Shailesh Remote Sensing/Oceanography/Natural

Hazards.

Geophysics/Exploration Geoelectromagnetics. NEGI, Janardan G.

PANDE, Kanchan Geochemistry/Isotope Geology/Ar-Ar

Geochronology.

PANDEY, Om Prakash Geophysics/Geological Sciences/Earth's

Thermal Evolution.

Hydrogeology/Groundwater Hydrology. PATHAK, Bhan Datt POWAR, Krishnapratap B. Petrology/Tectonics/Environmental Geology.

RAI, Shyam Sundar

Quaternary Geology/Prehistoric -RAJAGURU, Sharad Narhar

RAJEEVAN, Madhavan Nair

RAM, Avadh

RASTOGI, Ram Gopal RAY, Sumit Kumar ROY, Kalyan Kumar

SAHNI, Ashok SAIN, Kalachand

SATHEESH, Sreedharan K. SAXENA, Mahendra Nath

SEN. Sisir Kumar SENGUPTA, Rabindra Nath SHARMA, Shiv Kumar

SHENOI, Sadananda Satheesh C.

SHETYE, Satish Ramnath SINGH, Arun Deo SINGH, Pradeep Kumar

SINGH, Sri Krishna

SINGH, Sunil Kumar

SINGHVI, Ashok Kumar

SINHA, Dilip Kumar

SINHA, Rajiv

SRIDHARAN, Rajagopal SRINIVASAN, Ramaswamiah

Geophysics, Seismology.

Environment, particularly of W.India.

Climate/Monsoons.

Geophysics (Exploration Geophysics, Seismology and Digital Data Processing). Geomagnetism/Aeronomy/Space Physics. Structural Geology & Tectonics, Ore Geology. Electrical and Electromagnetic Methods in Geophysics/Potential Theory/Inverse Theory. Vertebrate/Biostratigraphy/Biomineralization. Inversion, Modeling and Machine Learning:

Investigation of Gas Hydrates, Imaging Subvolcanic Sediments, Understanding Geotectonics and Earthquake Processes. Aerosols/Clouds/Climate.

Igneous & Metamorphic

Petrology/Tectonics/Himalayan Geology. Metamorphic Petrology/Geochemistry. Chemical Oceanography/Marine Pollution. Electrooptics/Spectroscopy/Experimental Mineralogy/ Petrology.

Physical Oceanography/Ocean

Circulation/Satellite Oceanography. Physical Oceanography. Geo-Sciences/Oceanography.

Rock Mechanics & Mining Methods/Rock Excavation Engineering/ Coal Science.

Earthquake Source Studies/Seismotectonics Seismic Hazard.

Biogeochemistry/Indian Oceanography/

Isotope Geochemistry.

Geosciences (Quaternary, Geochronology,

Paleoclimate, Radiation Effects in Minerals). Nonlinear Mathematics/Mathematical

Ecology/Natural Disaster & Risk

Management.

Quaternary Geology/Geomorphology/River

Science, Climate Change.

Aeronomy/Solar Terrestrial Physics. Precambrian Geology with special reference

to sedimentation structure and stratigraphy.

SRIVASTAVA, Deepak Chandra SRIVASTAVA, Hari Narain SRIVASTAVA, Rajesh Kumar

TANDON, Sampat Kumar

TIWARI, Virendra Mani TRIPATHI, Sachchida Nand

TRIPATHY, Subhasish VENKATARAMAN, Chandra

VERMA, Virendra Krishna

VINAYACHANDRAN, P.N. WAGH, Arun B.

WALI, Mohan K. WYLLIE, Peter John YADAV, Ram Ratan Structural Geology. Seismology/Meteorology. Igneous Petrology/Geochemistry/ Precambrian Tectonics.

Precambrian Tectonics. Sedimentology/Quanternary Geology/Palaeoclimate.

Geophysics/Gravimetry/Geodynamics.

Environmental Science and

Engineering/Atmospheric Sciences. Earth Sciences (Geo-Sciences).

Atmospheric Science/Environmental and Climate Science/ Aerosol Chemistry and

Physics.

Geology Geomorphology/Sedimentology/Geo-

Environment.

Oceanography/Ocean Modeling. Marine Biodeterioration/Marine Biology/

Oceanography.

Ecology/Environmental Science.

Experimental Petrology, Granite, Carbonatite. Climate Change/Palaeoclimate/Tree-ring

analysis.

Engineering Sciences including Engineering

Technology
(Engineering and Engineering Science, Chemical and Material Technology, Electronics & Telecommunication, Information Technology, Instrumentation)

Specialization

Name

AATRE, Vasudev K. ABBASI, Shahid Abbas	Electronics & Telecommunication. Environmental Engineering/Energy Studies/ Environmental Science/Process Safety/
ACHARYA, Damodar	Bioprocess Engineering. Industrial Engineering/Operations Research/Operation Management.
AGARWAL, Avinash Kumar AGRAWAL, Amit	I.C. Engines/Fuels/Emission Control. Fluid Mechanics/Heat Transfer/Bio- Microdevices.
AJAYAN, Pulickel M. ALEX, Thekkethil Kochandy ARUNACHALAM, V.S.R.	Engineering Sciences. Satellite Technology. 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
- ,	Security/High Pefermance Computing.
BALANI, Kantesh	Surface and Coatings/Biomaterials/Ultra High 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 Recognition.
BANERJEE, Dipankar BANERJEE, Soumitro BANERJEE, Srikumar BASU, Bikramjit	Physical Metallurgy. Nonlinear Dynamics/Chaos Theory. Physical Metallurgy/Electron Microscopy. Chemical and Material Technology, including Biomaterials Science and Biomedical
BASU, Samar Kumar	Engineering and Engineering Ceramics. Chemical Engineering/Biochemical
BASU, Suddhasatwa	Engineering. Emergy Materails/ Hydrogen Energy & Fuel Cell Technology/Photochemical Water Splitting & CO ₂ Conversion.

BELLARE, Javesh Ramesh Crvo EM & Optical Microscopy/ Nanotechnology/Biomedical devices. BHADESHIA, Harshad Dharamshi Metallurgy/Materials Science/Steels. BHAT. Navakanta Nanotechnology/Biosensors/Gas Sensors. BHATKAR, Vijay P. Computer Science. Electronics & Telecommunication/Wireless BHATNAGAR, Manav Communications. BHATNAGAR, Shalabh Stochastic Approximation Algorithms/Reinforcement Learning/ Stochastic Optimization. BHATTACHARYA, Bhargab B. Computer Science & Engineering/VLSI Design/Nanotechnology. BHATTACHARYYA, Sriman Kumar Sustainable Materials/Fluid-Structure Interactions/Structural Retrofitting and Rehabilitition. BISWAS, Gautam Fluid Mechanics/Heat Transfer/Boiling. BORKAR, Vivek Shripad Stochastic Control and Optimization/ Stochastic Algorithms. Aerospace Engg. BOSE, Tarit Kumar 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. CHANDRASEKHAR, M. G. Satellite Technology/Spacecraft Mission Planning & Operations/Earth Observation and Communication Satellites & their Applications. Mechanical Engineering. CHATTERJEE, Anindya Physical Metallurgy and Materials CHATTOPADHYAY, Kamanio Science/Nanomaterials and Alloy Development. CHAUDHURI, Bidyut Baran Image Processing/Pattern Recognition/Natural Language Processing. CHAUDHURI, Subhasis Computer Vision/Multimedia/Image Processing//Haptics. CHAUDHURY, Santanu Information Technology. CHEBIYYAM, Siva Ram Murthy Computer Science & Engineering. Chemical Engineering Systems. Transport Phenomena/Non-Newtonian Fluid CHHABRA, Rajendra Prasad Mechanics. CHOCKALINGAM, A. Wireless Communication and Networking. CHOKSHI, Atul Harish Materials Science and Engineering. CHOUDHARY, Vasant R. Zeolites/Catalysis and Reaction Engineering. Civil Geotechnical Earthquake Engineering/ CHOUDHURY, Deepankar Computational Geomechanics/Foundation Engineering.

Computer Science/Remote

Sensing/Atmospheric Science.

Multiphase Flow/Heat Transfer.

DAS, Jyotirmay

DAS, Prasanta Kumar

DAS, Sarit Kumar Engineering and Engineering

Science/Chemical and Material Technology. DE, Sirshendu

Membrane Separation/Transport Phenomena/Pollution Control.

Communication Systems and Networks.

Nanoelectronics/Optoelectronics/

Nanotechnology. DEY, Gautam Kumar

Metallurgy & Material Science/Electron Microscopy/Radiation Damage. Hydrodynamics/Turbulence/Fluvial

Hydraulics.

Fluid flow measuring techniques with emphasis on laser Doppler and phase Doppler anemometry/Numerical fluid mechanics with emphasis on method developments/Turbulence with emphasis on anisotropic turbulence/Transition of pipe flows/Coating and Drying of thin fluid films. Circuits/Systems and Signal Processing. Mechanical Engineering/Energy Sciences.

Materials Joining/Laser Processing of Materials/Additive Manufacturing.

Information Technology. Aerospace Engineering.

Nuclear Fuels & Reactor Core Structural Materials/Ceramics/Powder Metallurgy. Electronics/ Optoelectronics/Semiconductor Materials and Devices/ Nanomaterials. Mechanics, Machine Dynamics & Robotics, Manufacturing Science.

Polymer Science & Engineering/Chemical

Engineering.

Computer Science/Artificial Intelligence/Data

Science.

Satellite Control Systems/Space Technology. Fluid Dynamics. Petroleum Engineer/HRD Specialist. Electronics & Telecommunication.

Oil & Paint Technology.

Environmental Science & Engineering/Water Treatment/ Wastewater Management and Reuse.

Polymer Science/Polymer Blends and

Composite Materials.

Plasticity and Impact Engineering. GUPTA, Narinder Kumar

Polymer Engineering &

Science/Optimization/Simulation of Electro-Chemistry & Industrial Chemicals. Control & Instrumentation/Space Technology.

Aeronautical Engg./Aircraft Design/Technology Management.

Information Technology.

History of Science/Disaster Mitigation/ Structural Dynamics/Random Vibration/

Engineering Seismology.

DE, Swades DEEN, Mohamed Jamal

DEY, Subhasish

DURST, Franz Josef

DUTTA ROY, Suhash Chandra DUTTA, Pradip GADHE, Padmanabham

GAIROLA, Bhartendu Kumar GANGULI, Ranjan GANGULY, Chaitanyamoy

GAUTAM, Dinesh Kumar

GHOSH, Amitabha

GHOSH, Anup Kumar

GHOSH, Ashish

GOEL, Prem Shanker GOVINDARAJAN, Rama GOYAL, Kundan Lal GUHA, Debatosh GUPTA, A.C.

GUPTA, Ashok Kumar

GUPTA, Avadhesh Kumar

GUPTA, Santosh Kumar

GUPTA, Sita Ram GUPTA, Suresh Chandra HARINARAYANA, Kota

HARITSA, Jayant Ramaswamy IYENGAR, Rangachar Narayana

JACOB, Kallarackel Thomas Thermodynamics of Materials/Extraction, Synthesis and Purification of Materials/High

Temperature Solid State Chemical Sensors/Fuel Cells/High Temperature

Reactions.

JAYARAM, Vikram Materials Science/Ceramics.

JHUNJHUNWALA, Ashok Tele-communications/Computer Networks/ Fiber Optics/ Renewable Energy and Electric

Vehicles.

JOSHI, Jyeshtharaj Bhalchandra Chemical Engineering/Fluid Mechanics/

Reactor Design/ Absorption of NOx Gases/ Solar Energy/Atomic Energy and Bio Energy. Precision Manufacturing/Micro-Machining/

JOSHI, Suhas S. Precision Manufacturing/Micro-Machining/

Laser-based Surface Texturing.

JOSHI, Yogesh Moreshwar Rheology/Soft Matter.

KAILATH, Thomas Information
KAKODKAR, Anil
Theory/Signal Processing/Matrix Theory.
Nuclear Reactor Engineering/Structural
Engineering/Nuclear Safety.

KANT, Tarun Solid and Structural Mechanics.

KAPURIA, Santosh Structural Mechanics/Multifunctional Structures/Structural Health Monitoring.

KASHYAP, Bhagwati Prasad Superplasiticity/Thermo-Mechanical

Treatment/Grain Boundary Phenomena.

KHAKHAR, Devang Vipin Chemical Engineering.
KHANNA, Sudarshan Kumar Transportation Planning and

Engineering/Higher and Technical Education.

KOTHARI, Dwarkadas Pralhaddas Power Systems/Energy Machines.
KRISHNAMURTHY, Muralidhar Fluid Mechanics/Heat Transfer/Interfacial

Fluid Mechanics/Heat Tran

Phenomena.

KRISHNAN, Ramakrishnan Image Processing/Remote Sensing.

KRISHNAN, Rangachari Physical Metallurgy/Materials Science.
KUMAR, Anil Polymerization Reaction Engineering and

Controls.

KUMAR, Vikram Semiconductor Physics and Technology.
KUNDU, Malay Kumar Image & Video Analysis/Machine Intelligence/

Computer Science.

KUNZRU, Deepak Structured Reactors/Catalysis/Petroleum

Refining.

LELE, Shrikant Physical Metallurgy/Materials Science.
MAITI, Himadri Sekhar Materials Engineering/ Glass & Ceramic

Engineering.

MAITI, Saurindra Nath Polymer Technology/Polymer Blends & Micro

Nano Composites/Bio-degradable Polymer

Systems.

MAITI, Surjya Kumar Stress Analysis/Finite Element Methods/Fracture Mechanics.

MAJI, Pradipta Pattern Recognition/Machine Learning/Image

Processing.

MALLAPRAGADA, Surya K. Engineering Sciences (Biomaterials).

MALLIK, Asok Kumar Mechanical Engineering.

MALLIK, Ranjan Kumar Electrical Engineering (Communications).

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.

MAULIK, Ujjwal Machine Intelligence/Data Science/

Bioinformatics.

MEHRA, Anurag Multiphase Reaction Engineering/Surface &

Colloidal Systems/ Nanomaterials.

MEHROTRA, Surya Pratap Process Metallurgy/Mathematical Modeling and Simulation/ Process Development and

Control/Mineral Processing.

MEHTA, Neelesh B. Wireless Communications.

MISHRA, Sanak Metallurgy/Material Science & Engineering.
MISHRA, Sukumar Renewable Energy/Power System/Smart

Grid.

MISHRA, Suman Kumari Materials Science Processing/Hard Coating/

Protective Coatings/Energy Materials/High

Temperature Materials.

MISRA, Ashok Polymer Science & Engineering.

MISRA, Sudip Internet of Things/Wireless Sensor Networks.
MITRA, Sanjit Kumar Analog and Digital Signal Processing/Image
Processing.

MITRA, Sushanta Kumar Microfluidics & Nanofluidics/Wetting/Water

Quality Monitoring & Treatment.

MITRA, Sushmita Computer Science.

MITTAL, Sanjay Fluid Dynamics/High Performance

Computing.

MODAK, Jayant Moreshwar Chemical Reaction Engineering/Bioprocess

Engineering/Systems Biology.

MUDALI, Kamachi Uthandi Materials & Coating Development/Corrosion

Science & Engineering/Materials & Chemical

Technologies.

MUKHERJEE, Abhijit Civil Engineering/Structures/Sustainability.
MUKHOPADHYAY, Nilay K. Structural Metallurgy/Quasicrystals/Non-

equilibrium Processing.

MUNJAL, Manohar Lal Technical Acoustics/Industrial Noise Control/Automotive Noise Control.

MURTY, Budaraju Srinivasa

Nano Materials/Composites/Phase

Transformations.

MUSTI, Narasimha Murty
NAIK, Niranjan Krishna

Pattern Recognition/Machine Learning.
Polymer Matrix Composites/Textile

Polymer Matrix Composites/Textile Composites/Ballistic Impact/Fracture and

Fatigue of Composites/Aerospace

Technology.

NAIR, Gopalan Madhavan Space Technology/Rocket System

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

PANT, Kamal Kishore

RAO, Palle Rama

Beneficiation/Biometallurgy/Environment/Corr

osion/Hydrometallurgy.

NETRAVALI, Arun N. Communications/Networking.

PACHAURI, Rajendra Kumar Energy Economics/Energy Engineering.

PADMANABHAN, Kuppuswamy A. Mechanical Metallurgy/Metal Forming/Superplasticity and Plasticity/Nanostructured and

Ultrafine Grained Materials.

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. Heterogeneous Green Catalysis/Hydrocarbon

Conversion and Treating/Solid 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.

RAJAN, Balaji Sundar Wireless Communication/Coding

Theory/Communication Theory.

RAJARAMAN, Vaidyeswaran Computer Science.

RAMACHANDRAN, Arcot Thermal Engineering & Heat Transfer.

RAMASWAMY, M. A. Aerodynamics.

RANGANATHAN, Srinivasa Materials Science/Engineering/History of

Mining, Minerals, Metals and Materials. Physical & Mechanical Metallurgy: Alloy

Development.

RAO, Paranandi V. Suryanarayana Artificial Intelligence, Computer Systems/

Speech & Script/Natural Language

Processing.

RAO, Ramgopal V. Nanoelectronics/Nanotechnology/

Microelectronics.

RAY, Subrata Materials Development including Cast Metal

Matrix Composites /Nanocomposites and

Energy Materials.

Human - Computer Interaction and Artificial REDDY, Raj

Intelligence/Spoken Language System.

ROY, Sukhdev Nanophotonics/Biophotonics/Ultrafast Optical 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.

Nanotechnology/Colloid and Interface SHARMA, Ashutosh

Science/Self-assembly.

SHARMA, Man Mohan Mass Transfer with Chemical

Reaction/Separation Technology/Catalysis with Ion Exchange Resins.

SHEVGAONKAR, Raghunath K. Applied Electromagnetics/Fiber Optic

Communications/Antennas, Radio Astronomy,

Image processing.

SHYAMASUNDAR, Rudrapatna K. Computer Science & Information Technology.

SINGH, Bhim

Power Electronics/Electric Machines/Electric Drives.

SINGH, Digvijai SINGH, Jayant Kumar Dynamics of Mechanical Systems/Tribology. Material Modeling/Thermodynamics/Gas

Separation and Storage.

SINGH, Kamala Prasad Thermodynamics/Nuclear and Hydrogen

Storagematerials/High Temperature

Oxidation.

SINGH, Ram Prakash Polymer Science and Engineering/Rheology

and Ultrasonics.

Biomimetics/Nanomaterials/Biomaterials. SINHA, Arvind Parallel/Distributed Computing, Mobile SINHA, Bhabani P.

Computing Wireless Networks.

Thermal Science and Engineering/Droplet and SOM, Sankar Kumar Spray Combustion.

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, Dharmendra S. VRAT, Prem

Transfer Processes/Heterogeneous
Catalysis/Environmental
Engineering/Renewable Energy.
Polymer Materials Science.
Industrial Engineering & Operations Research
and System Dynamics for Policty Modeling.

Nanoscience.
Polymers/Carbon Nano Tubes.
Chemical Engineering/Green Chemistry &
Engineering/Catalysis Science & Engineering/
Biotechnology/Nanomaterials &
Nanocatalysis/Energy Engineering.

ZARABI, M.J. Microelectronics.

WELLAND, Mark Edward WINDLE, Alan Hardwick YADAV, Ganapati Dadasaheb

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	Number Theory/Combinatorics. Differential Equations. Theory of Computation. Fluid Mechanics. General Topology/Mathematical Education. Functional Analysis/General Topology.
BAKSHI, Gurmeet Kaur BALAJI, Vikraman BALAKRISHNAN, Ramakrishnan BALASUBRAMANIAN, R.	Algebraic Geometry/Representation Theory. Number Theory. Number Theory.
BAMBAH, Ram Prakash BANERJEE, Mihir B. BANSAL, Jawahar Lal	Number Theory/Discrete Geometry. Hydrodynamic & Hydromagnetic Stability. 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.
BHANDARI, Ashwani Kumar BHARGAVA, Manjul BHARGAVA, Srinivasamurthy	Mathematics/Algebra. Number Theory. Works of Srinivasa Ramanujan/Complex Function Theory/Optimization and Control 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.
CHAKRABARTI, Aloknath	Applied Mathematics/Fluid Dynamics/Numerical Analysis and Wavelets. Applied Mathematics/Boundary Value Prob-
CHAKRABORTY, Partha Sarathi	lems/Integral Equations. Noncommutative Geometry/Operator
CHANDRA, Peeyush	Algebras/Global Analysis. Mathematical Modelling/Biofluidmechanics.

Operations Research/ Mathematical Ecology/ CHAUDHURI, Kripasindhu History of Mathematics/Fluid Dynamics.

CHAUDHURI, Probal Statistics.

CIARLET, Philippe G. Numerical Analysis/Mathematical Elastici-

ty/Plates and Shells/Applied Differential

Geometry.

COX, David Statistics/Applied Differential Geometry. DANDAPAT, Bhabani Shankar

Fluid Mechanics/Flow Stability/MHD/Thin Film

Development.

Lie Groups/Ergodic Theory/Probability DANI, Shrikrishna Gopalrao

Measures/History of Mathematics. Combinatorial and Algebraic Topology/

Convex & Discrete Geometry. Algebraic & Differential Topology.

DEO, Satya DEY, Aloke Statistics.

DIKSHIT, H.P. Analysis/Numerical Approximations/Fourier Analysis/Complex Analysis/Finite Element

Methods/Computer Aided Design.

DONIHAKALU, Nagaraj Shankar Algebraic Geometry.

DUBE, Shobh Nath

DATTA, Basudeb

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.

Algebraic Geometry/Coding GHORPADE, Sudhir Ramakant

Theory/Combinatorics.

Stochastic Control/Stochastic Dynamic GHOSH, Mrinal Kanti

Games/Mathematical Finance.

GOPALA KRISHNA, Jonnalagedda Innovative Psycho-Mathematical Management

Techniques/One/Sev Complex

Variables/Probability/Non-Conventional

Techniques.

GOVIL, Narendra Kumar Approximation Theory/Complex Analysis/Fourier Analysis.

GOWDA, G.D. Veerappa Partial Differential Equations. GOYAL, Anand Narayan

Astronomy/Information Theory/Integral

Transform.

GUNDALA, Ramanaiah

GUPTA, Manjul

Applied Mathematics/Fluid Dynamics. Functional Analysis-Schauder Bases. Decompositions/Scalar & Vector Valued Sequence Spaces, Infinite Dimensional Holomorphy/Operator Theory - Ideals of

Linear Operators, Hypercyclicity &

Approximation Property.

GUPTA, Radha Charan History of Mathematics.

GURJAR, Rajendra Vasant Algebraic Geometry/Commutative Algebra.

HANS-GILL, Rajinder Jeet Geometry of Numbers. Applied Mathematics. HINCH, Edward John IYER, Jaya Naganathan Algebraic Geometry.

Computational Fluid Mechanics/Heat JAIN, Amolak C.

Transfer/Hypersonic Rarefield Flows. JAIN, Ashok Mathematical Modeling/Science & Society. JAIN. Padam Chand Applied Mathematics/Numerical Analysis/

> Computational Fluid Dynamics/Computer oriented Algorithms for Nonlinear PDE.

JAIN, Rajendra Kumar 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. KARMESHU Mathematical Modeling. KESAVAN, Srinivasan Partial Differential Equations.

KHANDUJA, Sudesh Kaur Algebra/Valuation Theory/Algebraic Number

Theory.

KHARE, Shabd Sharan Algebraic Topology. KHURANA, Dinesh Algebra.

KODIYALAM, Vijay Functional Analysis.

KONIJETI, Sreenadh Analysis/Partial Differential Equations.

Mathematical Physics. KRISHNA, M.

KULKARNI, Ravindra Shripad Differential Geometry/Riemann Surfaces/Discontinuous Groups.

Harmonic Analysis/Operator Spaces/Partial KUMAR, Ajay

Differential Equations.

Numerical Methods for Partial Differential KUMAR, Bayya Venkatesulu R.

Equations/Bio-Fluid Mechanics/Parallel Numerical Algorithms & High Performance Computation/Mathematical Modeling &

Simulation.

KUNDU, Debasis Statistical Signal Processing. LAL, Shiva Narain Analysis/Topology/Functional

Analysis/Mathematical Programming. MAJUMDER, Partha Pratim Human Genetics/Biostatistics.

MANDAL, Birendra Nath Water Waves/Integral Equations/Integral

Transforms/Wavelets. Mathematics/Statistics.

MATHAI, A.M. MISHRA, Manoranjan Applied Mathematics.

MISRA, Gadadhar Operator Theory/Operator Spaces.

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

MUKHERJEE, Shyama Prasad Statistics/Operations Research.

MUKUNDA, Narasimhaiengar

Classical & Quantum Mechanics/
Mathematical Physics/ Theoretical Optics.

MURTY, Vijayakumar

Classical & Quantum Mechanics/
Mathematical Physics/ Theoretical Optics.

Number Theory/Algebraic Geometry and

Inforamtion Technology.
NANDAKUMARAN, A. K. PDE/Analysis/Tomography.
NARASIMHADEVARA, Vijayaditya Information Technology.

NATARAJ, Neela

Numerical Analysis/Finite Element Methods.
PAL, Nikhil Ranjan

Numerical Analysis/Finite Element Methods.
Computational Intelligence/Machine Learning/

Artificial Intelligence/Data Mining/Bioinformatics.

PANI, Amiya Kumar

Numerical Analysis/Partial Differential Equations/Industrial Mathematics.

PARANJAPE, Kapil Hari Algebraic Geometry/Differential

Geometry/Topology.

PARIMALA, Raman Algebra/Algebraic Geometry.

PARTHASARATHY, K. R. Probability Theory/Quantum Information

PARTHASARATHY, Rajagopalan PATHAK, Ram Shankar Theory.

Theory.

Representation of Lie Group.
Distribution Theory/Transform

Analysis/Wavelet Analysis and Applications. PATIL, Prabhugouda MallanagoudaBoundary Layer Flows/Convective Heat and

Mass Transfer/Computational Fluid

Dynamics.

PEDLEY, Timothy John
Biological Fluid Dynamics/Biomechanics/
Mathematical Biology.

PONNUSAMY, Saminathan
PRAKASA RAO, B.L.S.
PRASAD, Dipendra
PRASAD, Phoolan
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RAGHAVAN, Komaranapuram N. Representation Theory of Groups and

Algebras.

RAGHUNATHAN, M. Santanam Lie Groups & Algebraic Groups. RAJWADE, Anant Ramchandra Lie Groups & Algebraic Theory of Numbers.

RAKA, Madhu
RAMAMRITHAM, Krithivasan
RAMANAN, Sundararaman

Number Theory/Algebraic Coding Theory.
Database Systems/Real-time Systems/WWW.
Algebraic & Differential Geometry.

RAMANAN, Sundararaman
RAMASWAMY, Mythily
Partial Differential Equations/Nonlinear
Functional Analysis/Control Theory.

RAMMURTY, Maruti Number Theory.

RANGARAJAN, Govindan
RAO, Calyampudi Radhakrishna
RAO, Taduri Srinivasa Siva R. K.

Nonlinear Dynamics/Time Series Analysis.
Statistics/Matrix Algebra.
Functional Analysis/Geometry of Banach

ROY, Bimal Kumar Spaces/Approxination Theory.

Cryptology/Combinatorics/Statistics.

ROY, Rahul Probability Theory.

ROY, Satyajit Convective Heat and Mass Transfer. RUDRAIAH, Nanjundappa Applied Mathematics - Fluid Mechanics.

SANKARAN, N. Commutative Algebra.
SANKARAN, Parameswaran Topology/Algebraic groups.

SANKARANARAYANAN, A. Analytic Number Theory/Elementary Number

Theory.

SAXENA, Nitin Algebraic Complexity Theory/Computational

Algebra & Number Theory/ Cryptology.

SAXENA, Ram Kishore Special Functions/Integral Transforms/

Fractional Calculus.

SENGUPTA, Ashis Multivariate Inference/Directional Data

Analysis/ Reliability.

Lie Groups and Ergodic Theory. SHAH, Nimish Arun

SHARAN, Maithili Applied Mathematics/Atmospheric Boundary

Layer/Air Pollution & Physiological Fluid

Mechanics.

SHARMA, Divakar Estimation Theory.

Magnetohydrodynamics/Plasma Physics/ SHARMA, Ramesh Chandra Stabilities in Geophysics/Oil Recovery.

SHARMA, Vishnu Dutt Applied Mathematics/Quasilinear Systems of PDEs/Nonlinear Gasdynamic Waves.

SHIVAKUMARA, I.S. Fluid Mechanics & Magnetohydrodynamics.

SHOREY, Tarlok Nath Theory of Numbers. SHRIKHANDE, S. Shankar Combinatorics/Graph Theory.

Mathematical Modeling of Environmental; SHUKLA, Jang Bahadur

Ecological, Biological and Engineering

Systems.

SHUKLA, K.S. Mathematics/Astronomy & Its History (History

of Mathematics & Astronomy).

General Topology/Mathematics Education. SINGAL, Asha Rani

SINGH, Ajit Iqbal Functional Analysis/Harmonic

Analysis/Quantum Information Theory.

SINGH, K.P. Theory of Relativity/Geometry. SINGH, Kamla D. Mathematics (Differential Geometry).

SINGH, Mahendra Pal Applied Mathematics/Bio-fluid Dynamics/Air Pollution Modeling.

Applied Mathematics/Theoretical Seismology.

SINGH, Sarva Jit SINGH. Surieet Theory of Rings/Abelian Groups.

SINGH, Vikramaditya Theory of Functions.

SINHA, K.D.P. Mathematics.

Dynamical Systems/Mathematical Modelling/ SREEHARI RAO, Vadrevu 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.

Quantum Theory of Angular Momentum/ SRINIVASA RAO, Killampalli Quantum Groups & Algebras/Special

Functions.

SRIVASTAVA, Abinash Chandra SRIVASTAVA, Hari Mohan

Fluid Mechanics/Heat Transfer. Mathematical Analysis/Applicable

> Mathematics/Mathematical Physics/Inventory Modelling and Optimation/Probabity and

Statistics.

SRIVASTAVA, Krishna Mohan Fluid Mechanics/Plasma Dynamics. SRIVASTAVA, Radhey Shyam

Fluid Mechanics/Biomechanics/Shock Waves.

SRIVASTAVA, Ram Prasad Analysis.

SRIVASTAVA. Ramesh Chandra

SUJATHA, Ramdorai SUNDER, Viakalathur Shankar SURESH, Venapally

SURY, Balasubramanian TAMIZHMANI, Kilkothur M. TANDON, Prahlad Narain

TEWARI, Udai Bhan THAKARE, Nimba Krishna

THANGADURAI, Ravindranathan

THIAGARAJAN, P.S.

THRIVIKRAMAN, T.

TOMAR, Sushil Kumar

ULLAH, Aman VAIDYA, Arun Madhusudan VENKATACHALAPPA, M. VERMA, Jugal Kishore VERMANI, Lekh Raj

YAU, Shing Tung

Fluid Dynamics/Numerical Simulation of

Shock Wave Problems/ O.R. Algebra/Algebraic Number Theory. Operator Algebras/Functional Analysis. Algebra/Number Theory/ Arithematic

Geometry.

Algebraic Groups/Number Theory.

Integrable Systems.

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. Mathematics (Classical and Functional Analysis, Algebra, Discrete Mathematics).

Combinatorial Number Theory/ Transcendental Number Theory.

Computational Systems Biology, Distributed

Computing.

Topology/Fuzzy Mathematics/History of

Mathematics.

Elastic Waves in Continuous Media/ Convections in Fluids/Numerical Methods. Econometrics/Statistics/Machine Learning. Theory of Numbers (Mathematics).

Fluid Mechanics/Magnetohydrodynamics. Commutative Algebra.
Algebra (Cohomology of Group/ Group Rings

and Algebraic Coding Theory).

Differential Geometry/Differential Equations and General Relativity.

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/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/ Developmental Genetics.
ANDERSON, Diana	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.
ATHAR, Mohammad	Toxicology, Dermatology (Environmental Carcino genesis).
ATEEQ, Bushra	Molecular Oncology/Cancer Genomics/Drug Targets.
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.
BAVEJA, Raj BHANDARI, Mahendra BHARADWAJ, Dwaipayan BHARADWAJ, Mausumi BHARGAVA, Balram BHARGAVA, Sneh BHARGAVA, Vinod Kumar	Obstetrics and Gynecology. Urology and Renal Transplantation. Human Genetics/Epigenetics/Biochemistry. Disease Biology. Medicine/Cardiology. Radio-diagnosis/Medical Education/Hospital Administration. Pharmacology/Medical Education.

Cell Biology/Cancer Biology/Metabolic

BHAT, Manoj Kumar

Disorders. BHATNAGAR, Rakesh Molecular Biology of Infectious Diseases/ Vaccine Development/ Bioinsecticides. BHATNAGAR, Shinjini Pediatrics/Pediatric Gastroenterology. BHATNAGAR, Veereshwar Paediatric Surgery/Paediatric Urology/ Paediatric Hepato-Biliary-Pancreatic Surgery. BHATTACHARYA, Mihir Kumar Gastroenterology and Infectious Diseases. Diarrhoeal Diseases/Leishmaniasis/HIV/AIDS. BHATTACHARYA, Sujit Kumar Neuroanatomy/Developmental Neurobiology. BIJLANI, Veena BLAKEMORE, Colin (Brian) Neuroscience/Developmental Biology/Physiology. Medical Oncology/Clinical Pharmacology. BRENNER, Dean E. Medical Mycology. CHAKRABARTI, Arunaloke CHAKRABARTI, Manoj Kumar Microbial Biochemistry/Immunology. CHAKRABARTI, Sekhar Medical Virology/Biotechnology. CHAKRAVARTY, Runu Medical Virology/Biochemistry/Molecular Epidemiology. Human Molecular Genetics/Medical Genetics CHANDAK, Giriraj Ratan & Genetic Testing/ Gene Nutrient Interactions/Human Epigenetics. CHANDRA, Poodipeddi Sarat Epilepsy Surgery/Spine/Vascular Surgery. Immunopharmacology. CHATTERJEE, Mitali Medical Microbiology/Virology/Immunology. CHATURVEDI, Umesh Chandra CHAUDHURI, Keya Molecular Medicine/Infectious Diseases/Molecular & Cell Biology. CHAUHAN, Shyam Singh Cancer Biology/Molecular Biology. CHOWDHURY, Abhiiit Liver Disease/Molecular Epidemiology. CHOWDHURY, Rukhsana Bacterial Pathogenesis/Host Pathogen Interactions/Microbiota and Probiotics. DANDA, Ajit Kumar Anthropology. DAS, Bhabani Sankar Biochemistry. Molecular Oncology/Human Genetics/Cancer DAS, Bhudev Chandra Stem Cell & Drug Discovery. DAS, Mukul Food Toxicology/Chemical Carcinogenesis/ Xenobiotic Biotransformation/ Nanotoxicology. Cancer Stem Cell Biology/Tumor DAS, Tanya Immunology/Drug Development. DAS SARMA, Jayasri Neurovirology/Neuroimmunology/ Neurobiology of Diseases. DASH, Debabrata Platelet Signaling/Thrombus Biology/Translational Nanomedicine. DEO, Madhav Gajanan Pathology/Cell Biology/Medicine. DEY, Chinmoy Sankar Diabetes/Leishmanial Drug Resistance/ Leishmanial Flagellar Motility. Molecular Epidemiology/Genetic DHAWAN, Alok Toxicology/Nanomaterial Toxicology. DORAIRAJ, Prabhakaran Cardiology/Clinical Research/Genetic. DUTTA, Shanta Medicine/Infectious Diseases/Enteric Infection. FAROOQ, Ahmad Physiology/Endocrinology/Reproductive Immunology/ Contraceptive Technology. FLORA, Swaran Jeet Singh Toxicology of Metals/Drug Development/Chelation Treatment.

GOYAL, Ramesh K.

GANESAN. Venkatasubramanian Psvchiatry/Schizophrenia/Neuromodulation. Human Molecular Genetics/Neuroscience. GANESH, Subramaniam 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. Genetic Toxicology/Human Genetics/ GIRI, Ashok Kumar

Molecular Biology.

GOPINATH, Gomathy Neurosciences/Neurobiology.

GOSWAMI, Ravinder Endocrinology/Hypocalcemic Disorder.

GOURIE-DEVI, Mandaville Neurology/Clinical

> Neurophysiology/Neuroepidemiology. Pharmacology/Basic and Clinical Medical

> > Sciences.

Biomedical Engineering. GUHA, Sujoy Kumar GUPTA, Indu Obstetrics and Gynaecology.

Magnetic Resonance. GUPTA, Rakesh Kumar

GUPTA, Ritu Pathology/Hemato-Oncopathology/Genomics

& Cellular Biology.

GUPTA, Satish Kumar Reproductive Immunology/Vaccines/Antibody

Engineering.

Medical Pathology. GUPTA, Suresh Chandra

GUPTA, Yogendra Kumar Neuropharmacology/Clinical Pharmaco-

logy/Toxicology.

Gastroenterology/Hepatology. HABIBULLAH, Chittor Mohammed

HANDA, Sukhdev Swami Pharmacognosy (Drugs from plants)/Herbal

Drugs.

Physiology/Neuroscience/Motor Control. ITO, Masao JAGANNATHAN, N.R. Clinical and Pre-clinical Cancer Research

using Molecular Imaging (MRI) & in-vivo NMR

Spectroscopy/Functional MRI Studies/

Metabolomics/ Biophysics.

JAIN, Neeraj Neurosciences. 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

KALRA, Veena Diseases of Children).

KANG, Gagandeep Vaccines/Public Health/Microbiology.

KAPOOR, Rakesh Medical Science.

KARTHA, Chandrasekharan C. Pathology/Cardiovascular

Pathology/Cardiovascular Biology.

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.

Neurotoxicology and Neuroprotection. KHANNA, Vinay Kumar

KOSAGI. Sharaf Jagannatha Rao Neuroscience.

KUMAR, Rakesh

KRISHNASWAMY, Kamala Internal Medicine/Nutrition. Clinical Pharmacology. KSHIRSAGAR, Nilima Arun KULKARNI, Shrinivas Krishnarao Pharmaceutical Sciences.

KUMAR, Arun Human Genetics/Cancer Biology/Molecular

Biology.

Medical Oncology/Stem Cell Transplant/ KUMAR, Lalit

Gynecologic Oncology/Hemato Oncology. Nuclear Medicine/PET-CT/Molecular Imaging. Pediatric Neurology/Infectious Disease.

KUMAR, Rashmi KUMAR, Shrawan Rehabilitation Ergonomics.

KUMAR, Vijay Molecular Cell Biology/Biotechnology/Medical

Virology.

LAL, Sunil Kumar Microbiology/Molecular Genetics/

Biochemistry.

Oncology/Basic & Clinical Medical Sciences. LEVI, Francis MAHAJAN, Ramesh Chander Parasitology/Microbiology/Immunology.

MAHAPATRA, Ashok Kumar Medical Science/Neurosurgery.

MAJUMDAR, Siddhartha Medical Biochemistry.

Hip & Knee Replacement/Osteoporosis/ MALHOTRA, Rajesh

Complex Trauma.

MALLICK, Birendra Nath Neurophysiology/Neurobiology of Sleep

Wakefulness.

MALVIYA, Anand Narayan Rheumatology.

Macromolecular Crystallography/Protein MANDE, Shekhar Chintamani

Structure & Function.

MATHAN, Vadakenadayil Ittyerah Gastroenterology/Epidemiology/Medical

Administration.

Medical Microbiology/Virology/Immunology. MATHUR, Asha Transplant Immunology/Immunogenetics/ MEHRA, Narinder Kumar

Stem Cell Biology/HLA.

MEHTA, Veer Singh Neurosurgery.

Cell Biology/Immunology. MISHRA, Gyan Chandra

MISHRA, Prabhat Ranjan Molecular/Nanomedicine/Pharmacology/

Targeted Drug Delivery Systems.

MISRA, Sanjeev Basic and Clinical Medical Sciences/Surgical

Oncology.

MISRA, Sri Prakash Gastroenterology/Endoscopy/Liver Diseases. MISRA, Usha Kant Clinical Neurology/Neurophysiology/Tropical

Neurology.

MOHAN, V. Diabetology/Epidemiology/Genomics. MOHANAKUMAR, K. P.

Neuro-toxicology/Neuropharmacology/ Neurochemistry/Drug Development &

Screening.

MOHANAN, Parayanthala Valappil

Toxicology/Medical Device/Nanotoxicology. MOHANTY, Sureswar

Head Injury/Brain Tumour/Brain Edema/Neuro

Sciences.

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.
Clinical Microbioloy/Molecular Medical
Microbiology/ Molecular Epidemiology.

PARAMASIVAN, Chinnambedu N. Medical Microbiology/Immunology/Molecular

and Cell Biology.

PATWARDHAN, Bhushan Keshav Biochemistry/Ethnopharmacology/Natural

Product Drugs.

PAUL, Vinod Kumar Pediatrics/Neonatology/Public Health.

PILLAI, Madhavan Radhakrishna
PRABHAKAR, Nanduri R.
PRADHAN, Sunil
Cancer Biology and Virology.
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 Medi Helmenthology.

Malas Iso O to

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.

RAO, Kanury Venkata Subba Immunology/Peptide Synthesis.

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.

ROY, Prasun Kumar Neuroimaging/ Computational Neuroscience/

Clinical Neuroscience.

ROY, Subimal Histopathology/Neuropathology.

SACHDEVA, Geetanjali Reproductive Biology/Steroid Signalling.

SALOTRA, Poonam Molecular Parasitology.

SARIN, Shiv Kumar Gastroenterology and Hepotology.

SARKAR, Chitra Pathology/Neuropathology/Neuro-Oncology. SATYAVATI, Gowdagere Vedanti Pharmacology/Medicinal Plants/Scientific

SAXENA, Pramod Ranjan Pharmacology.
SAXENA, Rajiv Krishna Immunology.

SEHGAL, Subhash C. Medical Microbiology/Infectious Diseases. SEHGAL, Virendra Nath Dermatology/Venereology/Leprology. SENGUPTA, Ram Prasad (Robin) Neurosurgery/Voluntary Work/Education

Research.

SENGUPTA, Sagar Cancer Biology/Cell Signalling/Mitochondrial 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. Pharmacology/Clinical SETH, Shivadayal Pharmacology/Toxicology.

SINGH, Nandini Chatterjee

SINHA, Subrata

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/

Neuroimaging. SINGH, Prati Pal

Biotechnology/Parasitology/Neuro

Immunomodulation. Infectious Diseases/Pulmonary Medicine. SINHA, Sanjeev

Molecular Oncology/Immunology/

Neurogenetics.

SISODIA, Sangram Singh Neurobiology/Biochemistry/Cell Biology. SOMASUNDARAM, Kumaravel Cancer Biology/Genetics/Virology. SRIMAL, Rikhab Chand Pharmacology/Toxicology/Natural Products. SRIVASTAVA, Achal Kumar Movement Disorders/Epilepsy/Clinical

Neurophysiology.

Stroke/Multiple Sclerosis/Vascular Dementia. SRIVASTAVA, Padma Vasantha SUNDAR, Shyam Infectious Diseases/Medicine/Visceral

Leishmaniasis.

SUR, Deepika Clinical Medical Sciences/Epidemiology/

Clinical Trials.

SURI, Anil Cancer Biology/Cell Signaling/Gene Silecing. Neurosurgery with special reference to : Skull SURI, Ashish

Base Surgery & Neurovascular Neurosurgery/Minimally Invasive Neurosurgery: Neuro-endoscopy/Neuro-

Oncology/Epilepsy Surgery.

SUSARLA, Krishna Shankar Neuropathology/Neurosciences/Medical

Sciences.

Basic and Clinical Medical Sciences/Infectious SWAMINATHAN, Soumya

Diseases.

TAKEDA, Yoshifumi Bacteriology/Infectious Diseases. Endocrinology/Reproductive Biology & TALWAR, Gursaran Parshad

Immunology.

TANDON, Nikhil Endocrinology (Diabetes; Thyroid disease;

Metabolic Borne Disease).

TANDON, Prakash Narain Neuro Surgery/Neurosciences. TEWARI, Swarup Narain

Forensic Science, Medicolegal Toxicology Narcotic Drug, Firearms, Documents &

Physical Chemistry.

THAMPAN, T.N. Raghava Varman Molecular Endocrinology (Molecular

Mechanisms in Estrogen Action). Population Genetics/Medical THANGARAJ, Kumarasamy Genomics/Forensic Genetics.

THELMA, B.K. Human Genetics/Pharmacogenetics/Medical

Genomics.

Microbiology/Virology/Biotechnology. THYAGARAJAN, Sadras P. TOLE, Shubha Neuroscience/Developmental Biology. Epilepsy/Sleep Disorders/Dementia. TRIPATHI, Manjari

TRIPATHY, Sriram Prasad Tuberculosis/AIDS.

Molecular Biology/Mycobacteriology. Medical Science/Pharmacology/Malaria. TYAGI, Jaya Sivaswami VALECHA, Neena Cardiac Surgery/Cardio Vascular VALIATHAN, Martanda V. S.

Materials/Ayurveda.

Biochemistry/Metabolism/Enzymology. VARMA, Shambhu Dayal VRATI, Sudhanshu

Molecular Virology/Vaccinology/

Biotechnology.
Neurobiology/Developmental Neuroscience. WADHWA, Shashi Bone and Cartilage Remodeling and WANI, Mohan Ramachandra

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/
ACRAMAL Brobled Chandra	Nanomaterials/Superconductivity. Experimental High Energy Astrophysics/X-ray
AGRAWAL, Prahlad Chandra	Astronomy/Radiation Detectors for Space
	Missions.
AMRITKAR, Ravindra Eknath	Complex Systems/Nonlinear
	Dynamics/Chaos.
ANANTHAKRISHNAN, S.	Radio Astronomy/Interferometry/Antenna
	Design.
ANUPAMA, G.C.	Astronomy/Astrophysics.
ASHTEKAR, Abhay Vasant	General Relativity/Quantum
	Theory/Geometry.
ASWAL, Dinesh Kumar	Molecular-Electronics/Thermoelectrics/
DALKANSKI Minko	Metrology.
BALKANSKI, Minko BANERJEE, Dipankar	Solid State Physics. Astrophysics/Solar Physics/Plasma Physics.
BANERJEE, Rabin	Physics (High Energy Physics).
BANERJEE, Subhashish	Open Quantum Systems/Quantum
Di il Veriode, Gabriaci ilori	Information and Quantum Field Theory.
BARMA, Mustansir	Statistical Physics.
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
2	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
DUDUANI Damas Colorada	Physics.
BUDHANI, Ramesh Chandra	Supercondutivity Magnetism/Low
	Temperature.

BUTI. Bimla Plasma Physics. Low Temperature Physics/Superconductivity. CHADDAH, Praveen Solid State Spectroscopy/Photonics/Oppical CHALICHEEMALAPALLI K., J. and Laser Materials. Technical Education/Solid State CHANDRA, Ashoka Physics/Electronics & Tele-communication. CHANDRASEKHARA, B.C. MHD/Plasma/Heat Transfer. CHAPLOT, Samrath Lal Condensed Matter Physics/Neutron Scattering/Lattice Dynamics. Experimental High Energy Nuclear Physics/ CHATTOPADHYAY, Subhasis Advanced Detectors & Instrumentation. 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. 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. Physics and Chemistry of Solids/Nano DAS SARMA, Dipankar Materials/Energy Materials. DAS. Amita Plasma Physics. DAS, Bijoy Kishore Materials Science/Metallurgy/Electronics Materials. Statistical Physics/Soft-Matter/Non-DAS, Shankar Prasad Equilibrium Dynamics. DASGUPTA, Chandan Theoretical Condensed Matter Physics. DASS, N.D. Hari Quantum Field Theory/Gravitation and Astrophysics. Nuclear Physics. DATTA, Swapan Kumar DATTAGUPTA, Sushanta Non-equilibrium Statistical Mechanics/ Structure & Dynamics of Condensed Matter. DAVID, Justin Raj 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. DESHMUKH, Mandar Madhukar Condensed Matter Physics. DEV, Bhupendra Nath Surfaces, Interfaces and Thin Films/ 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

DHAR, Deepak Statistical Physics. DHURANDHAR, Sanjeev Vishnu Gravitational Waves/General Relativity. Sub-Atomic Physics/Theoretical Physics. GAMBHIR, Yogendra Kumar 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. 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. GOPAKUMAR, Rajesh Theoretical Physics/Quantum Field Theory/ 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. Superconductivity and Magnetism in GUPTA, Laxmi Chand quaternary borocarbides, NMR/NQR/Mu-SR, Valence Fluctuations and Heavy Fermions. GUPTA, Manoranjan 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. HOME, Dipankar Foundation of Quantum Mechanics/Quantum Information. JATKAR, Dileep Prabhakar String Theory/Gange Theories. JAUHARI, Mohan Forensic Ballistics/High Speed Photography/Quality Testing and Evaluation of Materials and Products. JAYANNAVAR, Arun Mallojirao Theoretical Condensed Matter Physics/Classical and Quantum Transport/Mesoscopic Systems/Stochastic Processes. JHA, Sudhanshu Shekhar Solid State Theory/Opto Electronics/Raman Spectroscopy. JOG, Chanda J. Astrophysics. JOGLEKAR, Satish Dinkar High Energy Physics Theory. JOSEPH, George Remote Sensing/Space Instrumentation.

Spectroscopy.

High Energy Physics.

Astrophysics/Cosmology/Gravitation.

Standards/Optics/Quantum Optics.

Theoretical

JOSHI, Murli Manohar

JOSHI, Pankaj S.

JOSHIPURA, Anjan

KANDPAL, Hem Chandra

KANJILAL. Dinakar Condensed Matter Physics & Materials Sciences/Accelerator Physics & Technology.

Nuclear Physics/Nuclear Particle KAPOOR, Shyam Sunder 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.

KHOKLE, Waman Sadasheo VLSI/Semiconductors Devices. KIRAN KUMAR, Alur Seelin Space Technology and Applications. Magnetic Materials/Nanotechnology/Ethics. KOTNALA, R.K. KRISHNA, Gopal Radio Astronomy/Active Galaxies/

Observational Cosmology.

KRISHNAMURTHY, H.R. Condensed Matter Physics/Statistical Physics/Quantum Many Body Theory.

Surface Science/Material Science/ KULKARNI, Sulabh Kashinath

Nanotechnology.

Theoretical Particle Physics/High Energy KUNDU, Anirban

Phenomenology.

Theoretical Physics - Nonlinear Dynamics. LAKSHMANAN, Muthusamy

LAL, Krishan Physics of Materials.

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.

Magnetism/Low-Temperature Physics. MAJUMDAR, Alak Kumar MAJUMDAR, Parthasarathi Gravitational Theory including Black Hole

Physics/Gauge Field Theory. MAJUMDAR, Pinaki Condensed Matter Physics.

Electroweak Physics/Calorimeter/Resistive MAJUMDER, Gobinda

Plate Chamber.

Biomolecular Electronics/Biosensors/Nano-MALHOTRA, Bansi Dhar

Biomaterials/Ordered Molecular Assemblies,

Conducting Polymers.

X-Ray & Y-Ray Astronomy/Space MANCHANDA, Ravinder Kumar

Instrumentation/Aerosol Physics. X-Ray Spectroscopy/Solid State Physics/Materials Science.

MANI, H.S. Particle Physics.

MANDE, Chintamani

Semiconductor Materials/Electronic MATHUR, Parmatma Chandra 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
MOHANTY, Ajit Kumar
MOHANTY, Bedangadas

Theoretical Physics (Field Theory).
Cosmic Rays, Elementary Particles.
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.

MONDAL, Pronab Kumar Fourier Optics/Holography/Image Processing.

MUKHOPADHYAYA, Biswarup MUSTAFA, Munshi Golam

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

NARASIMHAN, Shobhana

Cosmic Rays/Particle Physics.
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.

NARLIKAR, Jayant Vishnu Cosmology and Astrophysics. 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 Materials Science/Advanced Materials.

OJHA. Devendra Kumar Star Formation & Interstellar Medium/Infrared Astronomy/ Astronomical Instrumentation. Quantum Theory/Gravitation/Cosmology and PADMANABHAN, Thanu Structure Formation in the Universe.

PAL, Amlan Jyoti **Experimental Condensed Matter**

Physics/Organic Electronics/ Nanotechnology. PANDA, Sudhakar Field Theory/String Theory/String Cosmology. PANDEY, Anil Kumar Star Formation/Star Clusters/Gravitational

Lensing.

Ferroics and Multiferroics/Phase PANDEY, Dhananjai Transitions/Materials Science.

PANDEY, Prem Chand Satellite Oceanography/Atmospheric

Sciences/Climate Change and Polar Research.

PANDITA, Pran Nath Theoretical High Energy Physics/Astroparticle

Physics.

PANIGRAHI, Prasanta Kumar Field Theory/Quantum Computation. PATEL, C.K.N. Laser/Quantum Electronics/Bioengineering. Condensed Matter Physics/Ion-Solid PATHAK, Anand Prakash Interactions/Ion Beams Studies of Nano-

Materials-Synthesis, Modification and

Characterization.

Quantum Information/Quantum Optics/ PATHAK, Anirban

Physics.

PATHAK, K.N. Condensed Matter Physics/Liquid State

Dynamics/Electron Fluids/Nano-Science and

Cold Atomic Quantum Gases. PATI. Arun Kumar Quantum Information/Quantum Computation/Quantum Theory.

PATI, Jogesh Chandra Theoretical Particle Physics.

PHILIP, John Magnetic Nanomaterials/Nanofluids/Soft

Matter.

PRAKASH, Satya Aeronomy/Space Physics. Condensed Matter Physics. PRASAD, Rajendra

RAJAGOPAL, Erode Subramanian Condensed Matter Physics/Instrumentation. RAJASEKARAN, Guruswamy Quantum Field Theory/High Energy Physics. RAMACHANDRAN, R. Particle Physics/Field Theory.

RAMAKRISHNA, S. Anantha Applied Physics/Optics (Classical and

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.

Atmospheric Science/Space RAO, D. Narayana

Physics/Electronics. RAO, Sumathi Theoretical Condensed Matter Physics.

RAY, Samit Kumar Device Physics/Semiconductor Nanostructures/Thin Films.

Particle Physics. RAYCHAUDHURI. Amitava Solid State Physics/Experimental RAYCHAUDHURI, Arup Kumar Physics/R&D Management. RAYCHAUDHURY, Somak Astronomy/Astrophysics/Cosmology. RINDANI, Saurabh Dilsukhray Particle Physics. Nuclear Physics/Acceleration Physics. ROY, Amit ROY, Probir Particle Physics: Field Theory & Phenomenology/Astroparticle Physics. High Energy Physics/Foundations of Quantum ROY, Shasanka Mohan Theory. Optical Astronomy/Star Clusters/AGNS/GR SAGAR, Ram Bursts/Astrophysics/Microlensing. SAHA-DASGUPTA, Tanusri Condensed Matter Physics/Materials Science/Electronic Structure. SAHNI, Varun Astrophysics. Condensed Matter Physics/UHV Based SAHNI, Vinod Chandra Analytical Instrumentation//Particle Accelerators. SAIKIA, Dhruba Jyoti Astronomy/Astrophysics. Cosmology/Gravitation/High Energy Physics. SAMI, Mohammad SAMPATHKUMARAN, Echur V Magnetism/Superconductivity/Alloys/ Multiferroics. Condensed Matter Physics/Surface Science/ SANYAL, Milan Kumar Nano-materials/Synchrotron X-Ray Scattering. SARIN, Manmohan Atmospheric and Aerosol Chemistry/Oceanography. SARKAR, Utpal Theoretical Particle and Astroparticle Physics. SASTRY, Srikanth Theoretical Physics/Applied Physics. Plasma Physics/Nonlinear Dynamics. SEN, Abhijit Gravity/Cosmology/Astrophysics. SEN, Anjan Ananda SEN, Ashoke String Theory. SEN, Diptiman **Theoretical Condensed Matter** Physics/Quantum Field Theory. SENGUPTA, Amitava Radio Physics/Electronics/Time & Freq. Standards. SENGUPTA, Krishnendu Condensed Matter Theory. High Energy Physics/Gravitation & SENGUPTA, Soumitra Cosmology/String Theory. Condensed Matter Theory/Statistical SENGUPTA, Surajit Mechanics/Materials Science. SHARMA, Surinder Mohan Materials under high pressures - Experiments and theory/Development of Beamlines for Indus-2 Synchrotron. SHASTRY, Balajapalli Sriram Condensed Matter Theory/Statistical Mechanics.

High Energy Physics (Experimental).

Quantum Hall Effect.

Condensed Matter Physics.

High Pressure and Shock Waves Physics/Neutron and X-ray

Crystallography/Nuclear Explosions.

Solid State Physics/ Superconductivity/

SHIVPURI, Ram Krishna

SIKKA, Satinder Kumar

SHUKLA, Prabodh

SHRIVASTAVA, Keshav Narain

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.
SINGH, Virendra Theoretical Physics/High Energy

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.

High Energy Physics/Quark Gluon Plasma/Early Universe Cosmology.

SINHA, Krityunjai Prasad Solid State Physics/Theoretical

Physics/Condensed Matter Nuclear Science.
SIROHI, Rajpal Singh Applied Optics/Coherent Optics/Optical

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.

SINHA, Bikash Chandra

SODHA, Mahendra Singh

SOMA, Venugopal Rao

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.

SRIVASTAVA, Chandra Mani Ferromagnetic Relaxation &

Superconductivity.

SRIVASTAVA, Dinesh Kumar Quark Gluon Plasma, Energy and Environment, Science Communication.

SRIVASTAVA, K.K. Semiconductor Physics. SRIVASTAVA, Pyare Lal Solid State Physics.

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. Nanomaterials/Secondary Batteries/Hydrogen

SUNDARA, Ramaprabhu Nanomaterials/Secondary Batteries/Hydroger

Energy.

SUNDAR, C.S. Condensed Matter Physics/Positron

Annihilation Spectroscopy and Infrared

Spectroscopy.

SUNDARRAJAN, Asokan High Pressure Instrumentation &

Research/Amorphous Semiconductors/Fiber

Optic Sensors.

TREHAN, Parma Nand

VENKATARAMAN, Ganesan VERMA, Mahendra Kumar

VERMA, Mahendra Pratap VIJAYARAGHAVAN, Ramanuja VIYOGI, Yogendra Pathak WADIA, Spenta Rustom

WAGHMARE, Umesh Vasudeo

WAGHMARE, Yeshwant R. YAKHMI, Jatinder Vir

YUSUF, Seikh Mohammad

Nuclear Physics/XRF Technique. VASAGAM, Ramaswamy Manicka Space Guidance & Control/System & Engineering/Engineering Education.

Condensed Matter Physics.

Turbulence/Nonlinear Physics/Nonequilibrium

Statistical Physics.

Solid State Physics/Plasma Physics. Solid State Physics. Experimental Nuclear Physics.

Quantum Field Theory/String Theory/Quantum Gravity. Multi-functional oxides/Nanomaterials/Geometric Phases. Theoretical Nuclear Physics.

Superconductivity/ Magnetism/Molecular Electronics/Molecular Magnets/Sensors. Magnetism/Neutron Scattering/Condensed

Matter Physics.

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	Mycology/Microbiology/Plant Pathology. Virology/Microbiology/Biotechnology.
AGRAWAL, Madhoolika	Ecology/Environmental Science/Global Climate Change/Air Pollution.
AGRAWAL, Shashi Bhushan ARNTZEN, Charles Joel	Environmental Science/Ecology/Air Pollution. Photosynthesis/Plant Molecular Biology.
ARUNACHALAM, Vaidheeswara	Quantitative Genetics/Plant Breeding/ Participatory Plant Breeding/Biodiversity.
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
BANERJEE, Manju	Biology/Long Distance Signaling in Plants. Palaeobotany/Palaeopalynology/
BANERJEE, Suchitra	Biostratigraphy/Environment. Medicinal & Aromatic Plant Biotechnology/Cell and Tissue Engineering/In-vitro Secondary
BANSAL, Kailash Chander	Metabolite Production. Molecular Plant Physiology/Agri. Biotechnology/GM Crops and Crop Diversity.
BAPAT, Vishwas Anant	Plant Sciences/Agriculture.
BARIK, Saroj Kanta	Ecology/Biodiversity and its Conservation/Environmental Biotechnology.
BASU, Rathindra Narayan BASUCHAUDHARY, K.C.	Plant Physiology/Seed Physiology. Seed/Soil-borne Diseases.
BAULCOMBE, David C. BAWA, Kamaljit S.	Genetics/Plant Pathology. Population Biology/Ecology/Evolution.
BEACHY, Roger N.	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
CHAKRABARTI, Nirmal Kumar	Plants/Algology. Plant Pathology (Rice)-Epidemiology/Disease Resistance/Chemical Control.

CHAKRABORTY, Niranjan Stress Physiology/Plant Proteomics/Plant Molecular Biology. CHAKRAVARTY, S.C. Vernalization/Growth Hormones. Plant Morphogenesis/Biotechnology. CHANDRA, Naresh Abiotic Stess/Plant Genomics. CHATTOPADHYAY, Debasis Plant Defense/Medicinal Plants. CHATTOPADHYAY, Sharmila Developmental Biology/Signal Transduction. CHATTOPADHYAY, Sudip CHATURVEDI, Harish Chandra Plant Biotechnology & Morphogenesis in Plant Tissue Culture. Reproductive Biology/Male sterility. CHAUHAN, Shyam Vir Singh CHINTALAPATI, Venkata Ramana Bacterial Taxonomy/Metabolism. Floristics/Taxonomy of Angiosperms CHOWDHERY, Harsh Ji (Orchids)/Plant Conservation. DASGUPTA, Indranil Plant-virus interactions/Transgenic virus resistance in plants/Virus-induced gene silencing. Plant Biotechnology/Plant Physiology/ DAS, Premananda Medicinal and Aromatic Plants, Bioenergy. DAS, Sampa Plant Molecular Biology and Plant Pathogen Interaction Study. DATTA, Swapan Kumar Plant Biotechnology and Agriculture Science/ Mycology-Aquatic, Soil & Nematophagus. DAYAL, Ram Plant Molecular Biology/Plant Genomics. 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. DUBEY, Nawal Kishore Plant Pathology/Angiosperm Taxonomy/ Bioprospection. GADGIL, Madhav Dhananjaya Ecology. Plant Nutrition/Genomics/Root Development. GIRI, Jitender GANUGAPATI, Lakshmi Sita Plant Tissue Culture/Biotechnology/Plant Molecular Biology. Plant Systematics/Ethnobotany/Conservation GAUR, R.D. Biology. GHOSH, Bharati Plant Physiology/Plant Molecular Biology. GHOSH, Sibdas Cell Biology/Cytogenetics. GILL, Bikram S. Genetics/Biotechnology/Plant Protection. GIRI, Ashok Prabhakar Plant Defense Mechanisms/Molecular Insect-Plant Interaction and Plant Secondary Metabolic Pathways. Cytogenetics/Ethnobotany. GOHIL, Ravinder Nath GOVINDJEE, Govindjee Photosynthesis/Photobiology.

> Plant Abiotic Stress Biology. Ecotoxicogenomics/Plant Molecular

Biology/Environmental Biotechnology.

GROVER, Anil

GUPTA, Meetu

Plant Sciences 395

GUPTA, Raj Kumar Ecology/Floristics/Integrated Resource Management in Watersheds of Mountain &

Desert Areas.

HUSAIN, Akhtar Plant Pathology.

IQBAL, Muhammad Developmental and Environmental

Botany/Medicinal Plants.

IYENGAR, Echiambady R.R. Physiology/Stress Physiology/Molecular

Biology.

JAGADISH, Chennupati Applied Physics/Electronics and

Telecommunications/ Chemical and Materials

Technology.

JAIN, Mukesh Plant (Epi) Genomics/Genome Informatics/

Biotechnology.

JAIN, Sudhanshu Kumar

JALALI, Bushan L.

Taxonomy/Ethnobotany/Medicinal Plants.

Plant Pathology/Microbiology/IPM/Research

Management.

JAUHAR, Prem Prakash Plant Cytogenetics/Biotechnology/Plant

Breeding.

JHA, Bhavanath Plant Molecular Biology & Biotechnology/

Stress Genomics/Gene Mining and Translational Research/Marine Biotechnology/Biodiversity Mapping &

Bioprospection.

JHA, Sumita Plant Genetics/Medicinal Plant Biotechnology.

JOHRI, Bhavdish Narain Microbial Diversity and Ecology.

KAPOOR, Meenu Developmental Biology/Functional Genomics/

Plant Epigenetics.

KAPOOR, Sanjay Plant Reproduction/Seed Development/

Functional Genomics.

KAVI KISHOR, P.B. Plant Physiology.

KESAVAN, Parthasarathy Chenna Genetics/Radiation Biology/Sustainability

Science.

KHANNA, Pushpa Physiology/Bio-chemistry.

KHANNA-CHOPRA, Renu Plant Physiology.

KHANUJA, Suman Preet Singh Molecular and General Genetics/Plant

Improvement/Biotechnology, Nutraceuticals &

Functional Foods.

KHAREEDU, Venkateswara Rao Plant Molecular

Biology/Transgenics/Functional Genomics.
KHULLAR, Surinder Pal Pteridophytes & Angiosperm Taxonomy/

Systematics/ Floristics/Cytology.

KHURANA, Paramjit Plant Molecular Biology/Genetic

Transformation of Crop Plants/Genomics and

Bioinformatics.

KIRTI, Pulugurtha Bharadwaja

KOHLI, Ravinder Kumar

Plant Molecular Biology/Biotechnology. Ecology/Forestry/Weed Science/Eco-

physiology.

KORNER, Christian Plant Ecology.

KOTHARI, S.L. Plant Tissue Culture/Transgenics/Plant

Biotechnology/Nanobiotechnology.

KRISHNAMURTHY, K. Mangrove

Forest/Ecosystems/Ecology/Biological

Oceanography/ Ocean

Management/Environmental Affairs.
KRISHNAMURTHY, K.V. Plant Morphogenesis/Reproductive

Ecology/Histochemistry.

KUMAR, Har Darshan Algology/Microbiology/Environment. KUMAR, S.S. Bryology. KUMAR, Sanjay High Altitude Biology/Plant Adaptation/Stress Physiology/Metabolic Engineering/ Bioprospecting genes/ Enzymes. KUMAR, Virendra Cytogenetics/Mountain Ecosystems Conservation and Development. Ecology/Biodiversity/Geoinformatics. KUSHWAHA, Satya P. Singh LAHIRI MAJUMDER, A.N. Plant Biochemistry and Molecular Biology/Plant Biotechnology. Plant Molecular Biology. LAKSHMIKUMARAN, Malathi Plant Physiology/Plant Biochemistry/Animal LALORAYA, M.M. Endocrinology. Molecular Cytogenetics/Cytogenetics in Plant LAVANIA, Umesh Chandra Breeding/Eco-technology. Plant Physiology/Plant Molecular Biology/ LAXMI, Ashverya Plant Signal Transduction. MAHESHWARI, Satish Chandra Plant Biology and Molecular Biology. MAJEE, Manoj Plant Molecular Biology/Biochemistry. MALLICK, Nirupama Algal Biotechnology MANILAL, Kattungal S. Taxonomy/Ecology/Ethnobotany. MANOHARACHARY, C. Mycology/Plant Pathology/Microbial Biotechnology. Plant Physiology/Biochemistry/Biotechnology. MATHUR, Shri Narain Ecology/Plant Geography/Bioclimatology. MEHER-HOMJI, Vispy Minocher Mycology/Plant Pathology/Soil Microbiology. MEHROTRA, Radhey Shyam MUKHERJEE, Pulok Kumar Medicinal Plants/Phytochemistry/ Pharmaceutical Science. MUKHERJEE, Sunil Kumar Extrachromosomal DNA Replication/RNAi Suppression. NADGAUDA. Raiani Satish Plant Biotechnology. Plant Molecular Biology/Functional NAGEGOWDA, Dinesh Addihalli Genomics/Matabolic Engineering. NATH, Utpal Plant Developmental Biology/Genetics/Organ Morphogenesis. NAYAR, Madhavan P. Taxonomy/Conservation/Endemic & Endangered Plant Species. Plant Cytogenetics/Cell Biology/Mutation NIZAM, Jafar Breeding. PAL, Amita Molecular Genetics/Developmental and Stress Biology. Plant Growth Substances/Plant Tissue PALNI, Lok Man S. Culture/Plant Microbe Interactions. PANDEY, Arun Kumar Taxonomy/Molecular Systematics/ Biodiversity. PANDEY, Girdhar Kumar Plant Molecular Biology/Calcium Signaling/ Functional Genomics.

Plant Ecogenomics/Sustainability/

Crop Physiology/Genomics/Abiotic Stresses.

Plant Biotechnology/Genomics/Transgenics.

Biodiversity Conservation/Plant Ecology &

Conservation Biology.

Taxonomy.

PANDIT, Maharaj K.

PAREEK, Ashwani

PARIDA, Ajay Kumar

PARTHASARATHY, N.

Plant Sciences 397

PASCAL, Jean-Pierre Forest Ecology/Phytogeography/Vegetation

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.

PRAMER, David Microbial Ecology/Research Administration.
PRASAD, Manoj Plant Molecular Biology/Biotic & Abiotic Stress

Responses/ Molecular Breedings.
Physiology & Biochemistry of Plants &
Cyanobacteria/Oxidative Stress/Role of

Molecules in Cell Signaling.

PUROHIT, Aditya Narain

Environmental Plant Physiology/Mountain

Ecology/Physiology of Medicinal Plants.

RAGHAVENDRA Agenati S

Plant Biochemistry/Molecular Plant

RAGHAVENDRA, Agepati S. Plant Biochemistry/Molecular Plant Physiology/Plant Molecular Biology.
RAGHUBANSHI, Akhilesh Singh Integrative Ecology/Forest Ecology/

Restoration Ecology.

RAI, Ashwani Kumar Physiology and Biochemistry of

PRASAD, Sheo Mohan

Cyanobacteria/Nitrogen Nutrition/Salt Stress

and Adaptive Responses.

RAINA, Soom Nath Cellular & Molecular Cytogenetics/Molecular

Biology.

RAJAM, Manchikatla Venkat

RNAİ/Plant Biotechnology/Genetic
Engineering & Polyamine Biology.

RAMACHANDRA. Reddy Attipalli Climate Change and Photosynthesis/Biofuels.

RAMAKRISHNAN, P.S. Ecology/Sustainable Development.
RANGAN, Latha Ecology/Sustainable Development.
Plant Biotechnology/Medicinal Chemistry/

Genome Mining.

RANGASWAMY, Nanjangud S. Reproductive Biology of Seed Plants/Plant

Tissue Culture & Biotechnology.
RAO, Raghavendra Ramachandra Taxonomy/Biodiversity/Medicinal

Plants/Conservation/Phytogeography.
RAVEN, Peter Hamilton Plant Sciences/Conservation.

RAVISHANKAR, Gokare A. Plant Biotechnology/Secondary Metabolites/ Food Biotechnology.

RAWAT, Gopal Singh Plant Taxonomy/Natural Resource Ecology &

Conservation.

REDDY, Anireddy S.N. Plant Sciences/Plant Molecular Biology/ Agricultural Sciences/ Biochemistry.

REDDY, Malireddy Kodandarami REDDY, Vudem Dashavantha Plant Sciences/Biotechnology. Plant Genetics/Molecular

Biology/Biotechnology.
ROUT, Gyana Ranjan Plant Biotechnology/Enviro

Plant Biotechnology/Environmental Biotechnology/Medicinal and Aromatic

Plants/Mutation Research.

ROY, Parth Sarathi Remote Sensing/Geoinformatics/Earth

Observation.

SAHOO, Dinabandhu Algae and Bioresources.

SAMANT, Sher Singh Plant Taxonomy/Biodiversity Conservation and Management/ Medicinal Plants Conservation/Forestry Research and Education. Molecular Biology/Genomics/Gene SAMIR, Vishwanath Sawant Regulation. SANDHU, Rajindar Singh Microbiology/Mycology/Cell Physiology/Molecular & Membrane Biology. Photosynthesis/Plant Biochemistry/Plant SANE, Prafullachandra Vishnu 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. SHARMA, Manju Plant Anatomy/Biotechnology. SHARMA, Prakash Chand Plant Molecular Biology/Crop Biotechnology/ Transcriptomics. Genetics/Plant Biotechnology. SHARMA, Rameshwar Prasad SHARMA, Tilak Raj Plant Genomics/Bioinformatics/Plant Disease Resistance. SHARMA, Vinav Plant Stress Biology/Plant Informatics. 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. SINCLAIR, James B. Cytogenetics & Plant Breeding and Plant SINGH, Anurudh Kumar Genetic Resources. Plant Virology/Horticulture/Biotechnology. SINGH, B.P. Morphology of Angiospersm/ Seed Pathology. SINGH. Dalbir Yeast Genetics and Epigenetics/ Chromatin SINGH, Jagmohan Structure/ Gene Silencing/RNA. Ecology/Ecosystems Analysis/Ecophysiology. SINGH, Jamuna Sharan SINGH, Kaushalendra Pratap Ecology/Environmental Sciences. SINGH, Krishna Pal Taxonomy/Lichenology. SINGH, Nagendra Kumar Genomics/Molecular Breeding/Grain Quality

in Rice, Wheat and Pigeonpea.

Plant Sciences 399

SINGH, Ram Badan Cytogenetics/Plant Genetics Resources. SINGH, Surendra Pratap 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. SONIYA, Eppurath Vasudevan Plant Molecular Biology/Plant Biotechnology. Molecular Plant Physiology. SOPORY, Sudhir Kumar SRIVASTAVA, Mahendra Pratap Mycology & Plant Pathology/Transfer of Technology, Plant Health Clinic/Food Security/Pesticides/Integrated Pest Management. Plant Tissue Culture/Transgenics/DNA SRIVASTAVA, Prem Shankar Polymorphism. SRIVASTAVA, Suresh Chandra Biodiversity/Taxonomy and Conservation of Bryophytes. Plant Biochemistry/Chloroplast SUBRAMANYAM, Rajagopal Bioenergetics/Structural Biology. TANDON, Pramod Plant Biotechnology. Environmental Microbiology & Biotechnology/ THAKUR, Indu Shekhar Microbial Ecology. THAKUR. Jitendra Kumar Molecular Biology. TRIPATHI, Rudra Deo Plant Stress Physiology/Environmental Biotechnology/Bioremediation of Heavy Metals and Metalloids/Management of Arsenic Contamination in Crops/Rice. Photo Biology/Biotechnology. TRIPATHY, Baishnab Charan TRIVEDI, Prabodh Kumar Plant Molecular Biology/Pathway Engineering/Environmental Biotechnology. Plant Biochemistry/Molecular Genetics/Food TULI, Rakesh Biotechnology. TUTEJA, Narendra Plant Molecular Biology/Plant Biotechnology/ Stress Tolerance/Mango Malformation/Plant-Microbes Interactions. TYAGI, Akhilesh Kumar Plant Molecular Biology and Biotechnology. UNTAWALE, Arvind Gajanan Coastal Vegetation/Mangroves/Seaweeds. Molecular Genetics/Genomics/Biotechnology. UPADHYAYA, Kailash Chandra UPRETI, Dalip Kumar Lichen Taxonomy/Ecology/Environment. CO2 Enrichment Research and Technology/ UPRETY, Dinesh Chandra Photosynthesis, Drought Resistance in Crop Plants/Global Climate Changes & Crop Responses. Plant Pathology/Plant Virology/Biotechnology. VARMA, Anupam VARSHNEY, Rajeev Kumar Genomics/Genetics/Molecular Breeding. Plant Molecular Biology/Genetic VELUTHAMBI, Karuppannan Engineering/Plant Molecular Virology. VENKATESWARLU, J. Dry Land Farming/Soil Fertility Evaluation in River Valley Projects/Watershed Development. Plant Virology/Plant Pathology/Plant VERMA, Hriday Narain Protection/Molecular Biology. VERMA, Satish Chander Cytology/Genetics/Reproductive Biology (Plants)/Cytotaxonomy and Biology of Ferns.

Taxonomy of Angiosperm.

Engineering/Biotechnology/Bioprocess

Metabolic

Technology.

YADAV, Shrirang Ramchandra

YADAV, Sudesh Kumar

Science & Society

(Philosophy of Science, History of Science, Ethics,
Science Policy, Science & Technology based entrepreneurship,
S & T Management, Popularization of Science)

Specialization

Name

SWARUP, Renu

Name	Opecialization
AMTE, Mandakini Prakash	Medical Sciences/Social Work.
AMTE, Prakash Murlidhar	Medical Sciences/Social Work.
ANDEZHATH, Susheela Kumaran	Fluorosis/Public Health/Nutrition.
BHUYAN, Mantu	Entomology/Biodiversity Conservation/
	Bioprospecting.
DOBHAL, Rajendra	Science, Technology and Society/Intellectual
	Property Rights and Biodiversity.
JOLLY, Pratibha	Chemical Physics/Physics Education
	Research/Science Education Outreach/ICT in
	Education, Women in STEMM.
JOSHI, Anil Prakash	Environmental Conservation/Small
	Micropower Energy/Value addition in Horti-
	Agriculture.
KUMAR, Arvind	Theoretical Physics/Science Education.
NAIR, K. Gopalakrishnan	Physics/Electronics/Popularisation of Science.
NANDY, Papiya Sengupta	High Dilution Physics/Bioinformatics/Science
NIADAIN Comite	Education.
NARAIN, Sunita	Science & Society. Environment/Public Health/Sanitation.
NATH, Kumar Jyoti	
PARIKH, Jyoti Kirit	Climate Change Technology Assessment/Energy Modelling/ Power System
	Modelling.
PATHAK, Bindeshwar	Environmental Sanitation and Technology/
17(11)/(K, Billacsilwai	Sustainable Development/Social Reform and
	Social Action.
PRAKASHKUMAR, R.P.	Plant Biodiversity Conservation/S&T
	Management.
RADHAKRISHNAN, Koppillil	Space Technology/Space Applications/Space
- ,	Programme Management.
RAO, Indumati	Geography/Multimedia.
RAO, Paruchuri Gangadhar	Science & Society/Engineering Sciences.
RAVI, Bina	Surgery - Breast Cancer/Non-Cancerous
	Breast Diseases.
SAXENA, Manoj	Nanoelectronics/Semiconductor Device
	Simulation/Compact Modelling.
SHANKAR, Anant Darshan	Traditional Health Sciences and Applications.
SINGH, Vijay Awadesh	Digital Materials (Nanostructural
	Semiconductors)/Science Education

Society.

Research/Promotion of Research in undergraduate Community.

Biotechnology for the Welfare of Science &

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	Gujrat 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	Rajkot	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
•	en Jubilee Session)		0-4-1		4004
51st	Cochin	Cochin University	October	5-7	1981
52nd	Bhavnagar	Central Salt & Marine	November	2	1982
E04	0	Chemicals Research Institute National Institute of	Ostobox	27-29	1000
53rd	Goa	Oceanography	October	21-29	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
(Diamo	ond Jubilee Sessio	Sciences, India n)			
61st	Meerut	Meerut University	December	19-21	1991
62nd	Udaipur	M.L. Sukhadia University	February	9-11	1993
(Prof.	M.N. Saha Birthday	Centenary Session)	•		
63rd	Bangalore	Indian Institute of Science	November	24-26	1993
(Dedic	ated to the memor	y of Prof. N.R. Dhar)			
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
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71st	Pune	Pune University	October	5-7	2001
72nd	Shillong	North-Easter Hill University	October	25-27	2002
73rd	Ahmedabad	Physical Research Laboratory	October	10-12	2003
74th	Jaipur	Jaipur University	December	2-4	2004
75th	Pondicherry	Pondicherry University	December	8-9	2005
(Platin	um Jubilee Sessior	1)			
76th	Mumbai	Indian Institute of Technology- Bombay	October	6-8	2006
77th	Mysore	Central Food Technological Research Institute	December	6-8	2007
78th	Chandigarh	Panjab University	November	21-23	2008
79th	Kolkata	Calcutta University	December	14-16	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 91st	Prayagraj Prayagraj	NASI HQ through WEB NASI HQ through WEB	February December	25-27 4-6	2021 2021

List of Symposia/Seminars/Workshops held in the recent past

October, 1984, Madurai "Inerface Symposium 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 National for 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
February, 1993, Udaipur	-	Scientific Approach" National Symposium on "Science & Technology for Development - New Directions in the Changing
September, 1993, Allahabad	-	Scenario" Symposium on "Meghnad Saha's Contributions and the Journey Beyond"
November, 1993, Bangalore	-	Workshop on "Soil and Environment"
December, 1993, New Delhi September, 1994, Chandigarh	-	Symposium on "Science and Law" Symposium on "Industrial Biotechnology - An Indian Scenario"
December, 1994, Calcutta October, 1995, Tirupati	-	Symposium on "Mantle Dynamics" 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, 1997, Bhubaneswar	-	Symposium on "Science and 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 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 Natural Hazards"
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 Development"
October, 2005, Allahabad	-	Symposium on "Excitement of Science"
October, 2006, Mumbai	-	Symposium on "Science & 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 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 Science & Technology"
November, 2012, Varanasi	-	Symposium on "Nano-science & 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 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 "Science, Technology and Ecosystem for Sustainable Rural Development"
December, 2019, Hyderabad	-	Symposium on "Science and Technology based Entrepreneurship Development"
February, 2021, Prayagraj	-	Symposium on "Towards A New Healthcare Regime for the Nation"
December, 2021, Prayagraj	-	Symposium on Interface between Biological and Physical Sciences towards Atmanirbhar Bharat"

SECTIONAL PRESIDENTS

(Since 1972)

Physical Sciences

1972	Prof. R.P. Rastogi	Chemistry
	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
	Dr. Nitya Anand	Chemistry
	Prof. B. Ramachandra Rao	Physics
	Prof. G.N. Ramachandran	Mathematics
	Prof. H.L. Nigam	Chemistry
	Dr. Raja Ramanna	Physics
	Prof. J.N. Kapur	Mathematics
	Prof. M.M. Taqui Khan	Chemistry
1986	Prof. R.G. Rastogi	Geomagnetism
1987	Prof. Prem Narain	Statistica Genetics
1988	Prof. K.S. Valdiya	Geology
	Prof. S.K. Joshi	Physics
	Prof. V.G. Bhide	Physics
	Prof. R.A. Mashelkar	Polymer Science
	Prof. C.L. Khetrapal	Chemistry
	Prof. K. Kasturirangan	Physics
	Prof. S.K. Malik	Mathematics
	Prof. Goverdhan Mehta	Chemistry
	Prof. R.K. Verma	Physics
	Prof. J.P. Mittal	Chemistry
	Prof. D.V. Singh	Engineering
	Prof. H.S. Mani	Physics
	Prof. L.M. Patnaik	Computer Science
	Prof. Girjesh Govil	Molecular Biophysics
2002	Prof. A.K. Sood	Physics
2003	Prof. Sushanta Dattagupta	Physics
2004	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
	Prof. S.R. Shetye	Physical Oceanography
	Dr. Sankar Kumar Pal	Pattern Recognition and Image Processing/
_000	211 Garmar Harriar Far	Neural Networks and Fuzzy Systems/
		Soft Computing
2010	Prof. Anil K. Singh	Organic Chemistry/Bioorganic Chemistry/
2010	1 Ioi. Anii R. Singii	Photochemistry/Photobiology
2011	Prof. J.R. Bellare	Cryo EM & Optical Microscopy/
2011	PIOI. J.R. Deliale	
0040	Don't Onton Don	Nanotechnology/Biomedical devices
	Prof. Satya Deo	Algebraic & Differential Topology
	Dr. Amit Roy	Nuclear Physics/Acceleration Physics
	Prof. Ajoy K. Ghatak	Fiber Optics/Quantum Mechanics
2015	Prof. Anurag Sharma	Fiber and Integrated Optics/
		Gradient-Index Optics/Applied Optics

Sectional Presidents 407

2016	Prof. S.P. Mehrotra	Process Metallurgy/ Mathematical Modeling & Simulation/ Process Development
2017	Dr. Dinakar Kanjilal	and Control/ Mineral Processing 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	dhyay Bioinformatics/Soft Computing/Pattern
	, ,	Recognition.
2021	Prof. Anirban Pathak	Quantum Information/Quantum Optics/Physics.

Biological Sciences

	<u> </u>	ii Cololloco
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
1984	Prof. P.N. Tandon	Neurosurgery
1985	Dr.(Mrs) Archana Sharma	Botany
1986	Prof. K.N. Mehrotra	Entomology
1987	Dr. S.K. Jain Prof. G. Padmanabhan	Plant Sciences
1988	Dr. S.N. Dwivedi	Molecular Biology
1989		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/
		Genetic Engineering/Functional Genomics
2006	Prof. S.P.S. Khanuja	Molecular and General Genetics/
		Plant Improvement/Biotechnology
2007	Prof. Pramod Tandon	Plant Biotechnology
2008	Prof. Nikhil Tandon	Endocrinology (Diabetes; Thyroid
		disease; Metabolic Bone Disease)
2009	Prof. Rakesh Tuli	Plant 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
	_	Change/Air Pollution
2019	Prof. Subhra Chakraborty	Nutritional and Stress Genomics/ Proteomics/
		Molecular Biology/Genetic Engineering
2020	Dr. Smita Dilip Mahale	Reproductive Biology/Protein
		Chemistry/Endocrinology.
2021	Prof. Rohit Srivastava	Point of Care Diagnostic Devices/MEMS
		Technologies/Nanoengineered Biosensors.

Fellowship Scrutiny Committee 2021

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Prof. Girija Jayaraman Dr. Sanghamitra Bandyopadhyay

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Dr Anil Kakodkar Prof. K. S. Narayan Dr K. Radhakrishnan Dr Dinakar Kanjilal

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Prof. Maharaj K. Pandit
Dr. Vishwa Mohan Katoch
Dr. S. K. Barik

Dr. S. K. Barik
Dr. Pramod Kumar Garg
Dr. Pijush K. Das
Prof. Ishan K. Patro
Dr. Suchitra Banerjee
Dr. Subhra Chakraborty
Prof. Hari Sharan Misra
Dr. Anil Kumar Tripathi
Dr. Shally Awasth Dr. Shally Awasthi

Prof. Madan Mohan Chaturvedi Dr. Partha Pratim Majumder

Dr. Partina Pratini Maju Prof. Veena Tandon Prof. U. C. Srivastava Prof. Manjari Tripathi Dr. Manoj Kumar Bhat Dr. Sanjeev Sinha Prof. M.R.S.Rao

Prof. Omkar Prof. G. Padmanaban Prof. Alok K. Sinha

Prof. Jaya Tyagi Prof. Vijayalakshi Ravindranath

Prof. Latha Rangan Prof. N. K. Lohiya Dr Taru G. Sharma Dr Smita D. Mahale Dr Bina Ravi

Fellowship Scrutiny Committee 2020

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Dr. Amit Roy Dr. R. Ramáraj Dr. Sourav Pal Prof. S.C. Dutta Roy Prof. Ayanendranath Basu Prof. Suman Chakraborty Prof. J.R. Bellare Prof. Ranjan K. Mallik

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Dr. Sanghamitra Bandyopadhyay

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Prof. Raghunath Kashinath Shevgaonkai
Prof. S K. Gupta
Prof. S K. Gupta
Prof. Subodh Kumar Jain Prof. H.N. Verma Dr. Tapas K. Kundu

Dr. T. R. Sharma Prof. Madhoolika Agrawal Prof. Maharaj K. Pandit Dr. Vishwa Mohan Katoch

Dr. Subrata Sinha Dr. S. K. Barik

Dr. Pramod Kumar Garg Dr. Pijush K. Das Prof. Íshan K. Patro Dr. Samir Bhattacharya Dr. Suchitra Banerjee Dr. Subhra Chakraborty Prof. Hari Sharan Misra Dr. Anil Kumar Tripathi Dr. Shally Awasthi

Prof. Madan Mohan Chaturvedi

Dr. Rup Lal

Dr. Partha Pratim Majumder Prof. Taduri S.Siva Rama K. Rao

Prof. Veena Tandon Prof. U.C. Srivastava Dr. Pradeep Das Prof. Manjari Tripathi Dr. Manoj Kumar Bhat Dr. Sanjeev Sinha Prof. M.R.S.Rao Prof. Omkar

Committees 411

Membership Scrutiny Committees

2020

2021

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NASI-Science Teacher Award Committees

2021 2020

Prof. Satya Deo
Prof. S.L. Srivastava
Prof. S.L. Srivastava
Prof. P. K. Seth
Prof. P. K. Seth
Prof. Saroj Kanta Barik
Prof. D. K. Chauhan
Prof. U.C. Srivastava
Prof. U.C. Srivastava
Prof. U.C. Srivastava
Prof. Paramjit Khurana

Meghnad Saha Distinguished Fellowship

 Prof. M.G.K. Menon
 6th Oct. 1994
 - 30th Sept. 1999

 Prof. P.N. Tandon
 1st April 2000
 - 31st March 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 March 2021

Prof. Akhilesh K. Tyagi

NASI-Platinum Jubilee Chair

Prof. G. Padmanaban 2007 (term completed)
Prof. S.K. Joshi 2007 (term completed)

Prof. M.S. Raghunathan 1st April 2012 (term completed)
Prof. Asis Datta 1st March 2013 (term completed)

Prof. Ashok Misra 17th Oct 2017 - Continuing
Prof. G.C. Mishra 4th Sept 2018 - Continuing

J.C. Bose Chair

Prof. Sandip K. Basu 1st January 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 - Continuing

Dr. Madhu Dikshit

Distinguished Woman Scientist Chair

Prof. (Mrs.) Manju Sharma 1st April 2012 - Continuing

LECTURE AWARDEES

Prof. Meghnad Saha Memorial Lecture Awards (initially every alternate year but w.e.f. 2016 every year)	es
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

Lecture Awardees 415

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,	2009
Indian Institute of Science, Bangalore	
Dr. Satinder Kumar Sikka DAE Homi Bhabha Chair Professor Bhabha Atomic Research Centre Mumbai	2011
Prof. Bimla Buti	2013
Director	
Centre for Science & Society, N.Delhi	
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

Professor N.R. Dhar Memorial Lecture Awardees (initially every alternate year but w.e.f. 2016 every year)	
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
Dr. Anil Kumar Scientist Physical Chemistry Division National Chemical Laboratory, Pune	2007
Prof. Ashok Misra Former Director, IITB 68 Adarsh Vista, Basavan Nagar Vibuthipura, Bangalore	2009

Lecture Awardees 417

Prof. Goverdhan Mehta Honorary Professor & CSIR Bhatnagar Fellow Department of Organic Chemistry, Indian Institute of Science, Bangalore	2011
Dr. S. Swaminathan Head, Polymer Chemistry Division National Chemical Laboratory Pune	2013
Prof. P. Balram Professor (Emeritus) Molecular Biophysics Unit Indian Institute of Science Bangalore	2015
Dr. Raghunath Anant Mashelkar National Research Professor National Chemical Laboratory Pashan Road, Pune	2016
Dr. Madhu Dikshit Director, CSIR-CDRI, Lucknow	2017
Dr. A.K. Nangia Director National Chemical Laboratory, Pune	2018
Prof. V. Chandrasekhar Centre Director, TIFR Hyderabad, Gopanpally, Hyderabad	2019
Dr. Rakesh K Mishra Director, CCMB, Hyderabad	2020
Dr. Avesh K. Tyagi Associate Director, Chemistry Group BARC, Mumbai-400085	2021

Professor Archana Sharma Memorial Lecture Awardees (every year) Prof. (Mrs.) Manju Sharma 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 Department of Zoology North Eastern Hill University, Shillong	2010
Prof. (Mrs.) Kasturi Datta DBT Distinguished Biotechnology Professor School of Environmental Sciences Adjunct Professor Special Centre for Molecular Medicine Jawaharlal Nehru University, New Delhi	2011
Prof. Mahtab Bamji INSA Hon. Scientist Dangoria Charitable Trust, Hyderabad	2012
Prof. Chandrima Saha Director National Institute of Immunology Aruna Asaf Ali Marg, New Delhi	2013
Prof. Sneh Bhargava Professor Emeritus and Formerly Director AIIMS, New Delhi	2014
Dr. Suchitra Banerjee Chief Scientist, Plant Biotechnology Division, CSIR-CIMAP, Lucknow	2015
Prof. Rohini M. Godbole Centre for High Energy Physics Indian Institute of Science Bangalore	2016
Prof. Jaya Sivaswami Tyagi AIIMS, New Delhi	2017
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

Lecture Awardees 419

Dr. Subhra Chakraborty	2020
Staff scientist-VII, NIPGR	
Aruna Asif Ali Marg, New Delhi	
Dr. K. Indira Priyadarsini	2021
DAE, Raja Ramanna Fellow,	
UM-DAE Centre for Excellence in Basic Sciences,	
University of Mumbai	
Mumbai	

Professor M.G.K. Menon Memorial Awardees	
(every year)	
Prof. Govind Swarup, FRS	2015
Former Director, NCRA/GMRT	
TIFR, Pune	
Prof. P N Tandon	2016
President	
National Brain Research Society,	
Manesar	
Prof. Manju Sharma	2017
Former Secretary	
to the Govt. of India, New Delhi	
Dr. K. Kasturiranga	2018
Chairman,	
Raman Research Institute Council, Bangalore	
Prof. C.N.R. Rao	2019
Linus Pauling Research Professor	20.0
Jawaharlal Nehru Centre for Advanced Scientific Research	
JNC President's House,	
Indian Institute of Science Campus, Bangalore	
Prof. Vijayalakshmi Ravindranath	2020
Director, Centre for Brain Research	2020
Indian Institute of Science, Bangalore	
Prof. Ashok Misra	2021
NASI Platinum Jubilee Chair Professor at IISc Bangalore Bengaluru	

Professor M.G.K. Menon Lecture Awardees	
(every year)	
Prof. Balram Bhargava	2015
Professor	
Department of Cardiology	
All India Institute of Medical Sciences	
New Delhi	

Dr. T.R. Sharma	2016
Director,	
ICAR-National Research Centre on	
Plant Biotechnology,	
Pusa Campus, New Delhi	
Dr Ajay Kumar Parida	2017
Director, ILS	2017
Bhubaneswar	
Dr. V. Ramgopal Rao	2018
Director, IIT Delhi, New Delhi	
Dr. Nikhil Tandon	2019
Professor	
Department of Endocrinology & Metabolism	
AIIMS, New Delhi	
Prof. Amit P. Sharma	2020
Director, ICMR-NIMR	2020
Sector-8, Dwaraka, New Delhi	
Dr. Anil Bhardwaj	2021
Director, Physical Research Laboratory,	
A Unit of Department of Space,	
Govt. of India,	
Ahmedabad	

Professor V.P. Sharma Memorial Lecture (every year)	e Awardees
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

Lecture Awardees 421

Dr. Ramesh Chand Dhiman	2020
Senior Consultant,	
Former Scientist 'G'& ICMR-NIMR	
Sector-8, Dwaraka, New Delhi	
Dr. M.V. Padma Srivastava	2021
Professor and Head,	
Department of Neurology,	
Chief,Neurosciences Center, AIIMS,	
New Delhi	

Professor A.K. Sharma Memorial Lecture Awardee (every year)	
Prof. Asis Datta Former NASI Platinum Jubilee Chair Distinguished Professor, NIPGR, New Delhi	2018
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

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	2020
Vice Chancellor and Professor, JH-IMM	
Jamia Hamdard, Hamdard Nagar, New Delhi	
-	
Dr. Ved Prakash Kamboj	2021
NASI Hon. Scientist, Biotech Park,	
Kursi Road, Lucknow-226021	
· ·	

Professor S.K. Joshi Memorial Lecture Awardee (every year)	
Prof. Man Mohan Sharma Former Director, Institute of Chemical Technology (UDCT) Mumbai	2021

Professor A.C. Banerji Memorial Lecture Awar	dees
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

Lecture Awardees 423

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	2005
University of Delhi South Campus, New Delhi 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	2011
16th Cross Street, Chrompet, Chennai 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, AIIMS 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
Dr. Renu Swarup 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. P. Sheel Memorial (Young Woman Scientist) Lecture Awardees (every 3rd year but w.e.f. 2016 every alternate year) Dr. (Mrs) R.S. Nadgauda 1997 Tissue Culture Pilot Plant Div. National Chemical Laboratory, Pune Prof.(Ms.) R.M. Godbole Chairperson, Centre for Theoretical Studies Indian Institute of Science Bangalore

Dr.(Mrs.) Madhoolika Agrawal Reader, Department of Botany Banaras Hindu University Varanasi	2003
Dr.Srubabati Goswami 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
Dr. Meenu Kapoor Professor of Biotechnology GG Singh Indraprastha University New Delhi	2017
Dr. Ritu Trivedi 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 Lecture Awardees (every 5th year since 2001 but w.e.f. 2016 every alternate year)	
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

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	

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. 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 Group Leader Structural and Computational Biology International Centre for Genetic Engineering & Biotechnology, New Delhi	2013	

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 Scientist C Pharmaco Kinetics and Metabolism Division CDRI, Lucknow	2002	
Dr. Amita Gupta Department of Biochemistry University of Delhi, South Campus Benito Juarez Road, New Delhi	2004	
Dr. Amit P. Sharma Group Leader Structural and Computational Biology Group, Internatioal Centre for Genetic Engineering & Biotechnology New Delhi	2006	
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

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 Centre for Ecological Sciences Indian Institute of Science Bangalore	2005
Prof. K. Muralidhar Professor & Head Department of Zoology University of Delhi, Delhi	2007

Prof. K.S. Rai 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	
University of Allahabad,	
Allahabad	
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	
New Delhi	
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	

Professor Shri Ranjan Memorial Lecture Awardees (every alternate year)

Dr. L.M.S. Palni 2004

Sr. Scientific Advisor-Biotechnology &

Project Director

State Biotechnology Programme U.S. Nagar, Uttaranchal

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

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
Dr. Mukul Das Advisor, Shriram Inst. of Industrial Research 19 University Road, Delhi	2020

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	2010
NASI Platinum Jubilee Chair National Physical Laboratory, N.Delhi	
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

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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

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

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 90th 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
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**

- Late Prof. Suresh Chandra, Varanasi. (w.e.f. 1.1.2008 term completed)
- Late Prof. S.P. Vij, Chandigarh. (w.e.f. 1.1.2008 term completed)
- **Prof. J.S. Singh,** Varanasi. (w.e.f. 1.1.2009 term completed)
- Prof. Dharma Pal Agrawal, Almora. (w.e.f. 1.1.2009 term completed)
- Dr. V.R. Choudhary, Pune. (w.e.f. 1.1.2009 term completed)
- Dr. K.V.B.R. Tilak, Hyderabad. (w.e.f. 1.1.2009 term completed)
- **Prof. B.N. Mandal**, Kolkata. (w.e.f. 19.1.2009 term completed)
- **Dr. Uppeandra Dhar,** Faridabad. (w.e.f. 31.1.2009 term completed)
- **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. Siddiq**, 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)

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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 Banerjee, 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)
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- 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. Jaya Sivaswami Tyagi,** New Delhi (w.e.f. 12.6.2019)
- 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)
- Dr. L.C. Rai, Varanasi (w.e.f. 1.1.2020)
 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
- 25. Prof. Santosh K. Gupta, Kanpur
- 26. Prof. Madhu Raka, Chandigarh
- 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
- 33. Prof. Pinakpani Chakrabarti, Kolkata

NASI-HONORARY SCIENTIST

- **Prof. Ashok Misra,** Bangalore. (w.e.f. 1.3.2017 16.10.2017)
- Prof. Aloknath Chakrabarti, Bangalore. (w.e.f. 1.1.2016 term completed)
- **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 Anantha lyer Natarajan,** Bangalore. (w.e.f. 23.3.2016)
- Prof. Shelley Bhattacharya, Santiniketan. (w.e.f. 2.6.2016) 2.
- Prof. Anil Kumar, Bangalore. (w.e.f. 2.1.2017)
- Dr. V.P. Kamboj, Lucknow (w.e.f. 7.3.2017)
- 5. Prof. Satya Deo, Allahabad (w.e.f. 1.1.2018)
- 6. **Prof. V.A. Bapat**, Kolhapur (w.e.f. 1.9.2017)
- 7. Prof. C. Manoharachary, Hyderabad. (w.e.f. 19.3.2018)
- 8. **Dr. R. Sridharan,** Ahmedabad. (w.e.f. 29.10.2018)
- **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)
- 15. 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. K.N. Pathak, Chandigarh (w.e.f. 1.1.2021)
- 21. Prof. Indrani Boase, Kolkata (w.e.f. 1.10.2021)
- 22. **Prof. Amit Ghosh**, Kolkata (w.e.f. 1.6.2021)

Joined in 2022 23. Prof. Bishnu Pada Chatterjee, Kolkata (w.e.f. 4.1.2022)

NASI-RELIANCE INDUSTRIES PLATINUM JUBILEE AWARDS FOR APPLICATION ORIENTED INNOVATIONS COVERING BOTH PHYSICAL AND BIOLOGICAL SCIENCES

Physical Sciences

- 2021 Prof. Suman Chakraborty, Professor, Department of Mechanical Engineering, Indian Institute of Technology Kharagpur, Kharagpur
- 2020 Dr. Ch. Raji Reddy, Senior Principal Scientist, Department of Organic Synthesis & Process Chemistry, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad-500 007
- 2020 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
- 2019 Prof. Shantanu Bhattacharya, Professor, NL115X, Manufacturing Science Lab, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208 016
- 2019 Mishra, Professor, Department of Sukumar Electrical 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)
- Prof. Navakanta Bhat, Professor, CeNSÉ, IISc Banglore, E-35, IISc 2018 Campus, Bangalore-560012
- Prof. Rohit Šrivastava, Professor, Room No. 505, Department of 2018 Biosciences and Bioengineering, Indian Institute of Technology Bombay, Powai, Mumbai- 400076
- Prof. Pralay Maiti, Professor, School of Material Science & 2018 Technology, Indian Institute of Technology (BHU), Varanasi -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
- Prof. V. Ramgopal Rao, Institute Chair Professor, Department of 2014 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, Hyderabad – 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 Néma, 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.
- **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
- Technology, Hyderabad 500007

 2006 Dr. Tushar Kanti Chakraborty, Scientist F, Deputy Director & Head, Organic Division III, Indian Institute of Chemical Technology, Hyderabad.

Biological Sciences

- 2021 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.
- **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
- 2019 Dr. Samir K. Maji, Associate Professor, Department of Biosciecne & Bioengineering, IIT Bombay, Powai, Mumbai 400 076
 2019 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
 Dr. Atul Goel, Senior Principal Scientist, CSIR-Central Drug
- 2019 Dr. Atul Goel, Senior Principal Scientist, CSIR-Central Drug Research Institute, Sector-10, Jankipuram Extn., Sitapur Road, Lucknow-226 031
- **2018 Dr. C. Anandharama Krishnan,** Director, Indian Institute of Crop Processing Technology, Pudhukottai Road, Thaniavur 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, Raia 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
- 2014 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.
- **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
- **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

- 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
- **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

- 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
- 2021 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
- **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
- 2011 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

2021 Dr. Premachandran Yadukrishnan, C.V. Raman Post-doctoral Fellow, Department of Microbiology & Cell Biology, Indian Institute of Science, Bangalore, Karnataka – 560012

- **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
- **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
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- 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

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- 2018 Dr. Muthamilarasan Mehanathan, DST INSPIRE Faculty, ICAR-National Research Centre on Plant Biotechnology, Pusa Campus, New Delhi - 110012
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- 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
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- 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
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- **Dr. Bhanu Prakash**, Assistant Professor, Department of Botany, Institute of Science Banarus Hindu University, Varanasi 221 005
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- **Dr. Rahul Kumar**, M.Sc., Ph.D., BELSPO Postdoctoral Research Scientist, VIB Department of Plant Systems Biology, Ghent University, Technologiepark 927, 9052 Gent, Belgium
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- 2013 Dr. Biman Behari Mandal, M.Sc., Ph.D., Assistant Professor, Department of Biotechnology, Indian Institute of Technology Guwahati, Guwahati – 781 039
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- 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;
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- 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
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- 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
- **Dr. Mukesh Jain**, Staff Scientist, National Institute of Plant Genome Research (NIPGR), Aruna Asaf Ali Marg, New Delhi 110 067

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- **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)
- **2008 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
- **2008 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
- 2007 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
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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

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- 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
- **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
- 2003 Ms. Achamma John Mathai, Sardar Patel University, Vallabh Vidyanagar
- Ms. D.B. Sadevra, Dept. of Biotechnology, Amravati University, 2003 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
- Dr. K.K. Sharma, Department of Zoology, Maharishi Dayanand 1999 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, JamiaMillialslamia 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
- 2018 Sri Mohd. Gulman Siddiqui, Department of Electronics and 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

Ms. Shivi Tyagi, Department of Botany, Panjab University,

- 2017 Chandigarh.
- 2017 Mr. Bishwarup Sarkar, Department of Microbiology, Modern College of Arts, Science and Commerce, Pune.
- Ms. Rohi Jan, Department of Chemistry, SP Pune University, Pune. Mr. Tejas Chimbalkar, Department of Physics, Shikshn Prasarak 2017
- 2017 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
- **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 2016 University, Shillong
- 2016 Mr. N. Rawat, Department of Zoology & Biotechnology, HNB Garhwal University, Srinagar (Garhwal)
- Ms. Meenakshi Rana, Department of Physics and Materials 2016 Science & Engineering, Jaypee Institute of Information Technology, Noida
- 2016 Ms. Anita Pal, Chemistry Division, Forest Research Institute, Dehradun
- Mr. Ashish Kumar Nayak, Environment and Sustainability 2016 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
- **Mr. Puneet Kumar Singh,** Bioenergy & Bioprocess Lab, BDTC (Biogas Development and Training Center), School of 2015 Biotechnology, KIIT University, Bhubaneswar-751024
- 2015 Ms. Shefali Singh, Plant Genetics Laboratory, Botany Department, University of Allahabad, Allahabad - 211002
- **Ms. Puja Rai,** Environmental Chemistry Research Laboratory, Department of Chemistry, University of Allahabad, Allahabad 2015 211002
- 2015 Mr. Suchintak Dash, School of Biotechnology, KIIT University-Bhubaneshwar - 751024
- 2015 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

Prof. Satish Jain

Department of Neurology Neuro Science Centre All India Institute of Medical Sciences New Delhi In Physical Sciences

In Biological Sciences

THE NATIONAL ACADEMY OF SCIENCES, INDIA SCIENCE TEACHER AWARDEES

1996 Dr. Girish Chandra Badoni, Govt. Inter College, Uttarkashi Sri Amar Jyot Singh Bedi, City Montessori School, Lucknow 1997 1998 Smt. Shefali Saxena, Kendriya Vidyalaya, Dehradun 1999 Sri Anand Singh Bisht, Government Inter College, Nainital 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 2003 Sri L.B. Singh, Govt. Queens' College, Varanasi 2004 Dr. Narain Sharan, Govt. Inter College, Meerut Mrs. Meenambika Menon, Cambridge School, Noida 2005 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 Mrs. Tahseen Fazal, City Montessori-Inter College, Lucknow 2009 2009 Shri Sanjay Srivastava, Tagore Public School & College, Allahabad 2010 Sri Satish Chand, Govt. Inter College, Hardoi Sri L.K. Sharma, S.D.B.B. Rama Inter College, Pilibhit 2010 2011 Dr. Shripal Rathi, M.G.Public School, Muzaffarnagar 2011 Dr. Naresh Kumar Giri, Kendriya Vidyalaya, Ghaziabad Shri Brij Kishor Singh, Assistant Teacher, Govt. Inter College, Deoria 2012 Dr. R.K. Awasthi, St. George's College, Agra 2012 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, Kanpur 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 2017 Mr. Sanjeev Kumar Agarwal, MPVM, Teliarganj, Allahabad 2018 Dr. Nikhil Jain, M.D. Jain Inter College, Agra 2019 Mr. Sushil Kumar Pandey, Guru Nanak Inter College, Mirzapur 2020 Mr. Pramod Kumar Parashar, MI Inter College, Hathras 2021 Mrs. Priyanka Singh Chauhan, Maharshi Patanjali Vidya Mandir,

Allahabad Region NASI Science Teacher Awardee

Ms. Poonam Bhatt, Amity International School, Ghaziabad

(The Award has been instituted in the memory of Late Rama Shankar Misra)

- Dr. Sharad Kumar Pandey, Tagore Public School, Allahabad
 Mrs. Archana Tiwari, Tagore Public School, Allahabad
 Mrs. Shikha Chakravarty- Crosthwaite Girls Inter College, Allahabad
 Mr. Waseem Ahmad, Mahgaon Inter College, Kaushambi
- 2015 Dr. Lalji Yadav, Colonelganj Intermediate College, Allahabad

2021

2016	Mr. Suresh Narain Pandey, MPVM, Ganga Gurukulam, Allahabad
2018	Smt. Sangeeta Gupta, St. Anthony's Convent G.I. College, Allahabad
2021	Mr. Ashish Kumar Srivastava, Anglo Bengali Inter College, Prayagraj

Jharkhand Region NASI Science Teacher Awardee

2017	Ms. Sahana, Vidya Bharati, Chinmya Vidyalaya, Telco, Jamshedpur
2017	Ms. Jaishree, JUSCO High School, Kadma, Jamshedpur

- 2017 Ms. Jaishree, JUSCO High School, Kadma, Jamshedpur
 2018 Mr. Bibhuti Nath Jha, Jawahar Vidya Mandir, Ranchi
- 2018 Mrs. Sangeeta Chatrath, Little Flower School, Jamshedpur
- 2018 Mr. Manoj Kumar Singh, Middle School, Potka
- 2018 Mr. Amod Kumar Mishra, State High School, Chaibasa
- 2019 Ms. Shipra, Tata Workers Union High school Kadma, Jamshedpur
- 2019 Mr. Vikash Kumar Das, NML-Kerala Public School, Agrico
- 2020 Mr. Sumit Kumar Gorai , TGT, Delhi Public School, Bokaro Steel City
- 2020 Mr. Asheesh Mishra, PGT, Atomic Energy Central School, Jaduguda
- 2020 Mr. Ramanuj Kumar, PGT, Kendriya Vidalaya, Tatanagar

Kharagpur Region NASI Science Teacher Awardee

- 2010 Shri Bindyachal Ram, Kendriya Vidyalaya, IIT, Kharagpur
- 2010 Shri Joyti Prakash, Kendriya Vidyalaya, IIT, Kharagpur
- 2014 Mrs. Shelly Das, DAV Model School, IIT Kharagpur
- 2014 Dr. Debrata Mukherjee, Kendriya Vidyalaya, RNNM, Salboni
- 2015 Mrs. Bijaya Pradhan, Kendriya Vidyalaya, Air Force Station, Salua
- 2015 Mrs. Anita Bhattacharjee, DAV Model School, IIT Kharagpur

Kolkata Region NASI Science Teacher Awardee

- 2010 Mrs. Rajeswari Swaminathan, Sri Shikshayatan GHS School, Kolkata
- 2010 Mrs. Munmun De, The Heritage School, Kolkata
- 2010 Ms. Mitali Debnath, Apeejay School, Salt Lake, Kolkata
- 2011 Mrs. Sarmistha Das, Modern High School for Girls, Kolkata
- 2011 Dr. Munmun Nath, Lakshmipat Singhaia Academy, Kolkata
- 2011 Mrs. Soma Nandi, Hariyana Vidya Mandir, Kolkata
- 2012 Dr. Sabyasachi Majumdar, Kendriya Vidyalaya No.II Kanchrapara
- 2012 Mrs. Rita Datta, National High School for Girls, Kolkata
- 2012 Mrs. Debjani Chakraborty, The Future Foundation School, Kolkata
- 2013 Mrs. Ratna Biswas, Sushila Birla Girls School, Kolkata
- 2013 Mrs. Bishakha Banerjee, The Heritage School, Kolkata
- 2013 Mr. Prajjwal Mitra, St. Thomas High School, Howrah
- 2014 Mrs. Mousumi Patra, Modern High School For Girls, Kolkata
- 2014 Mrs. Paulin Seal, Calcutta Girls Academy, Kolkata
- 2014 Mr. Lionen Gunnion, La Martiniere Boys School, Kolkata
- 2015 Mrs. Gouri Basu, Loreto House, Kolkata
- 2015 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
SIDDIQUI, Mohd. Abdul Hamid K.G. Medical College, Lucknow	Anatomy	1939
DHAR, N.R. Director, Public Instructions U.P., Allahabad SENGUPTA, P.K. Indian Meterological Office	Chemistry	1940
	Meteorology	1941
Alipur, Calcutta SRIVASTAVA, M.D.L.	Zoology	1942
Allahabad University, Allahabad SRIVASTAVA, B.N.	Physics	1949
Allahabad University, Allahabad BHATTACHARYA, A.K.	Chemistry	1950
Saugar University, Sagar MEHRA, P.N. Panjab University, Chandigarh PANDE, B.P. U.P.College of Veterinary Science & Animal Husbandry, Mathura SHARMA, Devendra Allahabad University, Allahabad	Botany	1951
	Zoology	1952
	Physics	1954
MITRA, S.P. Allahabad University, Allahabad	Chemistry	1955

DHAWAN, C.L.	Physical	1956
Irrigation & Power Research Institute Amritsar		
DEY, Arun Kumar	Chemistry	1958
Allahabad University, Allahabad	Chemistry	1930
KUSHWAHA, R.S.	Mathematics	1959
Delhi University, Delhi	& Astronomy	1000
SINGH, Amar	Botany	1960
Allahabad University, Allahabad	2010	
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		
BANERJI, D.P.	Mathematics	1964
S.V. University, Tirupati		
JAIN, S.K.	Botany, Agril.	1966
Botanical Survey of India, Calcutta	& Geology	4000
DE, Samarendra Kumar	Chemistry	1966
Allahabad University, Allahabad LAL, R.N.	Mathematics	1969
Bhagalpur University, Bhagalpur	Mantemancs	1909
KAPUR, J.N.	Mathematics	1980
IIT, Kanpur	Mathematics	1300
SRIVASTAVA, C.B.L.	Zoology	1985
Allahabad University, Allahabad		
MOHANTY, Prasanna	Biophysics	1986
J.N.U., New Delhi		

ACADEMY'S LOCAL CHAPTERS

1. Ahmedabad Chapter

Chairman

Prof. Surya Pratap Mehrotra, Professor-in-Charge, External Relations, Indian Institute of Technology, Gandhinagar, Palaj, Gandhinagar – 382355 Secretary

To be decided

Advisors

- 1. Prof. Srubabati Goswami, Professor G, Theoretical Physics Division, Physical Research Laboratory, Navrangpura, Ahmedabad 380009
- 2. Dr. H. Venkatakrishna Bhatt, Block 2, Flat 13, Suramya Apt., Near Sola Road PO, Opp. to Mirambika Street, Near Naranpura Telephone Exchange, Ahmedabad 380063
- 3. Dr. Rajagopal Sridharan, Formerly Director, SPL; NASI Senior Scientist; 6/4 Aalay Apartment, Vastrapur, Ahmedabad 380015

2. Bangalore Chapter

Chairman

Prof. Ashok Misra, NASI-Platinum Jubilee Chair Distinguished Professor; 68, Adarsh Vista, Basavanagar, Vibudhipura, 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. P.N. Rangrajan, Professor, Department of Biochemistry, Indian Institute of Science, Bangalore 560012
- 2. Prof. Rohini Madhusudan Godbole, Professor, Centre for High Energy Physics, Indian Institue of Science, Bangalore -560012
- 3. Prof. Vijayalakshmi Ravindranath, Director, Centre for Brain Research, Indian Institute of Science, Bangalore 560012
- 4. Prof. Thekkethil Kochandy Alex, Honorary Distinguished Professor, ISRO; No.13A, NTI Layout, Vidyaranyapura, Bangalore 560097
- 5. Prof. K.V. Ramanathan, Professor Emeritus (CSIR), NMR Research Centre, Indian Institute of Science, Bangalore 560012
- 6. Prof. K.S. Narayan, Professor & Dean (R&D), JNCASR, Jakkur, Bangalore

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

- 1. Prof. Sampat Kumar Tandon, Adjunct Professor, Indian Institute of Science Education & Research Bhopal, Bhopal Bypass Road, Bhauri, Bhopal 462066
- Prof. Subodh Kumar Jain, Professor & Head, 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. Chandigarh Chapter

Chairman

Prof. Ravinder Kumar Kohli, JC Bose National Fellow, Vice-Chancellor, Amity University Mohali, Mohali - 140308

Secretar

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, Former NASI Senior Scientist, Department of Physics, Panjab University, Chandigarh 160014
- 2. Dr. H.N. Ghosh, Professor (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

5. 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. Prof. Rama Shanker Verma, Professor, 201 BJMSB, Department of Biotechnology, Indian Institute of Technology, Madras, Chennai 600036
- Dr. T. Subramoniam, Senior Scientist, Centre for Climate Change Studies, Sathyabama University, Jeppiaar Nagar, Rajiv Gandhi, Salai, Chennai – 600119

6. Delhi Chapter

Chairman

Prof. Anurag Sharma, Physics Department, Indian Institute of Technology, 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, President, NASI; 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, Director, ICMR-National Institute of Malaria Research, Sector 8. Dwarka, New Delhi 110077

Local Chapters 477

4. Prof. Anirban Pathak, Department of Physics and Materials Science & Engineering, Jaypee Institute of Information Technology, Noida - 201309, UP 5. Dr. Manoj Saxena, Associate Professor, Department of Electronics, Deen Dayal Upadhyaya College, University of Delhi, Karampura, New Delhi - 110015

6. Dr. Pratibha Jolly, Academic Consultant, NAAC; Former Principal, Miranda House, University of Delhi; E-284, Greater Kailash-1, New Delhi - 110048

7. 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

Advisors

1. Prof. Amitabha Chattopadhyay, JC Bose Fellow, Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad - 500007

2. Prof. A.S. Raghavendra, Professor, School of Life Sciences, Department of Plant Sciences, University of Hyderabad, Hyderabad - 500046

8. Jaipur Chapter

Chairman

Prof. Hriday Narain Verma, Vice-Chancellor, Jaipur National University, Jagatpura, SADTM Campus, 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, NASI-ICMR Chair on Public Health Research, Rajasthan University of Health Sciences, Jaipur

9. 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. Súnil 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

10. Jharkhand Chapter

Chairman

Dr. Arvind Sinha, Chief Scientist & Head, Advanced Materials & Processes Division, CSIR-National Metallurgical Laboratory, Jamshedpur Secretary

Dr. Ranjan Kumar Sahu, Principal Scientist, Materials Science & Technology Division, CSIR-National Metallurgical Laboratory, Jamshedpur

Advisors

1. Prof. Manoj Kumar Mishra, Former Vice-Chancellor, Birla Institute of Technology, Mesra, Ranchi - 835215

2. Dr. N.G. Goswami, Advisor Management, National Metallurgical Laboratory, PO Burmamines, Jamshedpur - 831007.

11. Kerala Chapter

Chairman

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Dr. Deepu Mathew, Assistant Professor, Centre for Plant Biotechnology and Molecular Biology, Kerala Agricultural University, Thrissur – 680 656 Advisors

1. Dr. M. Radhakrishna Pillai, Director, Rajiv Gandhi Centre for Biotechnology, Thycaud P.O., Thiruvananthapuram – 695014

2. Dr. R.P. Prakashkumar, Director, Jawaharlal Nehru Botanical Garden and Research Institute, Gowreesham, House No. 217, Adarsh Nagar, Thekkumoodu, Pattom, Thiruvananthapuram – 695004

3. Dr. E.V. Soniya, Scientist G, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram – 695014

 Prof. B. Mohan Kumar, Vice-Chancellor, Arunachal University of Studies, Knowledge City, Namsai - 792103, AP Coordinator

1. Prof. Edathil Vijayan, Former ICMR Emeritus Medical Scientist & UGC Visiting Professor, Villa # 1, Imperial Gardens, Tripunithura, PO Eroor, Cochin - 682306

12. Kharagpur Chapter

Chairman

Prof. Prasanta Kumar Das, Professor, Department of Mechanical Engineering, Indian Institute of Technology Kharagpur, Kharagpur - 721302 **Secretary**

Prof. Sudip Misra, Abdul Kalam Technology Innovation National Fellow, Department of Computer Science & Engineering, IIT Kharagpur, Kharagpur - 721302

Advisors

1. Prof. Jagadis Chandra Misra, Adjunct Professor, IIES&T, Shibpur; Qrs.No.B-74, IIT Kharagpur Campus, Kharagpur-721302

 Prof. Kamlesh Narayan Tiwari, Professor, Agricultural and Food Engineering Department, Indian Institute of Technology Kharagpur, Kharagpur - 721302

3. Prof. Chacko Jacob, Professor, Materials Science Centre, Indian Institute of Technology Kharagpur, Kharagpur - 721302

13. 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, Jadavpur, Kolkata - 700032

Advisors

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