

# The National Academy of Sciences, India

5, Lajpatrai Road, Prayagraj-211002, India

## Monthly Summary for the month of May 2022



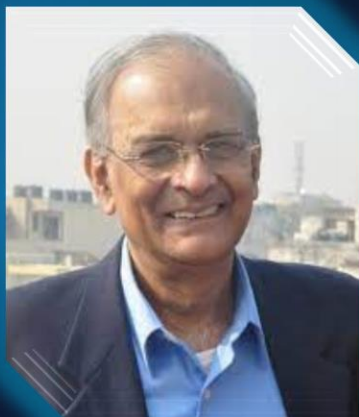
NASI continued to contribute to the ‘Science & Society’ as per its mandate, observing COVID appropriate behaviour during the re-spread of the coronavirus. The office of the Academy also followed the necessary orders of the govt. regarding the preventive strategies and norms, during the pandemic; however, several programmes were organised, as-

1. As a part of NASI’s Science-Society Initiative and *Azadi ka Amrut Mahotsav*, Delhi Chapter of NASI is organizing a series of talks by Prof. Ajoy Ghatak on the topic, "The ten most beautiful experiments in Science". Next lecture of the series is being jointly organized by the NASI and Jaypee Institute of Information Technology (JIIT), Noida in online mode on 24th May, 2022 at 6 PM (for details a poster/brochure is enclosed herewith- Annex. 1).
2. NASI announced several Award Lectures in the memories of the deceased distinguished scientists; these are given after proper scrutiny and screening of the scientific contributions of the nominations received for the awards (a copy of the circular is enclosed herewith-Annex. 2).
3. Series lectures on ‘Women in Science’ were organized by the Delhi Chapter of the NASI (Details enclosed herewith, as Annex. 3 ‘a’ & ‘b’).
4. A Science Awareness Programme, was organized by the Varanasi Chapter, in which lab training & demonstrations were given by the University teachers to the school students (a brief report is enclosed herewith – Annex. 4).
5. Like every year, this year also, the Academy celebrated the National Technology Day. The technology day is celebrated in our country on 11th May every year to recall and reaffirm our faith in the technological advancements, achieved so far; as well as to spread the message among the students and general mass that how the technology is important for the overall development of ‘science and society’. An online programme was organised on May 11, 2022 in which Eminent Scientists & Technologists shared their views about the India’s recent developments in the field of “Science & Technology”. Discussion was also focused on this year’s theme “Integrated Approach in Science and Technology for Sustainable Future” (a copy of the programme is enclosed as Annex. 5). Some of the NASI-Chapters also celebrated the NTD.
6. NASI celebrated the International biodiversity day-2022 in a unique manner. Just on the eve of this day (i.e. on May 21, 2022), the Academy handed over the multidimensional, electronically equipped Brahmaputra gallery established by the NASI (with the financial support of the DST, GoI; and technical support of the NCSM), to the Govt. of Assam. The gallery will exist as the joint property of the NASI/DST & AWARDMI; it was created with the support (infrastructure) of the ‘Assam Govt.’ in the premises of AWARDMI, Guwahati in 2015; inaugurated by Dr Jitendra Singh, Hon’ble Minister for Sc. & Tech., GoI. The gallery is fully interactive having audio-visual information on biodiversity, socio-economic aspects, scientific aspects & explanations etc. about the whole biome of the Brahmaputra river-system (Annex. 6).

# The Ten Most Beautiful Experiments in Science

On the Eve of the 75 years of Independence, the National Academy of Sciences, India (NASI) is celebrating Azadi Ka Amrit Mahotsav through different science and society initiatives. As part of NASI's science and society initiative, Delhi Chapter of NASI is organizing a series of talks by Prof. Ajoy Ghatak on the topic, "The ten most beautiful experiments in Science". Next lecture of the series will be jointly organized by the NASI and Jaypee Institute of Information Technology (JIT), Noida in online mode on 24th May, 2022 at 6 PM.

## ABOUT THE SPEAKER



**Prof. Ajoy K Ghatak**

More info. about the speaker can be found at [here](#).

### Date & Time:

May 24, 2022 06:00 PM (IST)

Zoom link <https://us02web.zoom.us/j/88216484178?pwd=rR3Veb2cpufV2hRLiE7XJPJ2XLS0Wn.1>

<https://us02web.zoom.us/j/88216484178?pwd=rR3Veb2cpufV2hRLiE7XJPJ2XLS0Wn.1>

<https://us02web.zoom.us/j/88216484178?pwd=rR3Veb2cpufV2hRLiE7XJPJ2XLS0Wn.1>

Meeting ID: 882 1648 4178

Pass code: 296043

Link for YouTube Live

Telecast:

<https://www.youtube.com/channel/UCWgXoRptNM7-cEgkxthRCFg>

<https://www.youtube.com/channel/UCWgXoRptNM7-cEgkxthRCFg>

<https://www.youtube.com/channel/UCWgXoRptNM7-cEgkxthRCFg>

*Prof. Ajoy Ghatak formerly Professor at IIT Delhi, is currently President of the National Academy of Sciences (NASI). He received MSc from Delhi University and PhD from Cornell University. He is the recipient of many awards including CSIR Bhatnagar award for outstanding contributions in physical sciences, SPIE Educator award for unparalleled global contributions to fiber optics research and his tireless dedication to optics education worldwide, Esther Hoffman Beller Medal for outstanding contributions to optics education; OSI Amita De award for life long research contributions in the field of optics and dedicated service to the optics community, and ICO Galileo award. Most recently, he received the 2020 Sang Soo Lee Award "for his seminal role in the development of fiber optics and guided wave photonics and for pioneering optics educations in India."*

*Professor Ghatak nurtured the Fiber Optics Group at IIT Delhi and also master's program there. He organized numerous workshops and short courses and was President of Optical Society of India. He has published extensively in the general area of optical waveguides and quantum well structures. The methods developed by him have been used by many researchers. He is author of many books including textbooks on OPTICS (translated to Chinese and Persian); Fiber Optics and Optical Electronics (both co-authored with Professor Thyagarajan).*

## -: DESCRIPTION OF THE TOPIC :-

*In 2002 Professor Robert Crease a philosopher and historian of science asked physicists to nominate the most beautiful experiment of all time. From that emerged a list of ten most beautiful experiments in science. Prof. Ghatak has written a book with the same title. In the book, he has tried to describe the physics of the ten experiments with the hope that young students will be able to appreciate the beauty and profoundness of each experiment. He has also discussed a few beautiful experiments with light and why (after the discovery of lasers) the study of light has become so very important. This talk will encourage students to perform a few experiments on their own. It's also expected to motivate teachers to make their class more interesting by sharing excitement of doing these experiments with their students.*

Convener

**Prof. Anirban Pathak**  
anirban.pathak@jiit.ac.in

**Prof. Papia Chowdhury**  
papia.chowdhury@jiit.ac.in

To attend these talks and receive announcements of other talks of this series kindly fill the form <https://forms.gle/ehFrhwYrEUxGLVjv6>



**The National Academy of Sciences, India (NASI)**  
5, Lajpatrai Road, Prayagraj – 211002, India

**Prof. Madhoolika Agrawal**

PhD, FNA, FNAAS, F.N.A.Sc.

**Prof. J.R. Bellare**

PhD, FNAE, FEMSI, FMAS, FNASc

**General Secretaries, NASI**

**May 6, 2022**

**Subject: Nominations for different “Academy Awards/Lectures/Medals”**

**Dear Fellows,**

I request you to kindly send nominations for the following “Academy Awards/Lectures/Medals”–

1. Prof. Meghnad Saha Memorial Lecture Award (2022)
2. Prof. N.R. Dhar Memorial Lecture Award (2022)
3. Prof. Archana Sharma Memorial Lecture Award (2022)
4. Prof. M.G.K. Menon Memorial Award (2022)
5. Prof. M.G.K. Menon Lecture Award (2022)
6. Prof. V. P. Sharma Memorial Lecture Award (2022)
7. Prof. A.K. Sharma Memorial Lecture Award (2022)
8. Prof. Prafulla Chandra Ray Memorial Lecture Award (2022)
9. Prof. S.K. Joshi Memorial Lecture Award (2022)
10. Dr. P. Sheel Memorial Lecture Award (2022)
11. Prof. Saligram Sinha Memorial Lecture Award (2022)
12. Prof. R.C. Gupta Endowment History of Science Lecture Award (2022)
13. Prof. R.N. Tandon Memorial Lecture Award (2022)
14. Prof. B.K. Bachhawat Memorial Young Scientist Lecture Award (2022)
15. Prof. Shri Ranjan Memorial Lecture Award (2022)
16. Lecture Award in the field of Toxicology (2022)
17. Prof. Krishnaji Memorial Lecture Award (2022)
18. Dr. Mridula Kamboj Memorial Lecture Award (2022)

The nomination papers duly completed in all respect should be emailed to NASI on [nasi.allahabad1@gmail.com](mailto:nasi.allahabad1@gmail.com) latest by 15<sup>th</sup> June 2022. **No hard copy is required for this year; kindly send the nomination on aforesaid email only (not on any other email id of NASI).**

The copy of Regulations regarding these Academy Awards/Lectures/Medals and the names of past recipients are enclosed.

With regards,

Yours sincerely

(Madhoolika Agrawal)

**Encl. – As above.**

# THE NATIONAL ACADEMY OF SCIENCES, INDIA

5, LAJPATRAI ROAD, PRAYAGRAJ – 211002, INDIA

## Excerpts of the Regulations

### 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.
- v) Prof. MGK Menon Memorial Award; 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 (age – no bar).
- vi) 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).
- vii) 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.
- viii) 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).
- ix) Prof. S.K. 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 (age- no bar).

**Prof. A.K. Sharma Memorial Lecture awardee will be given a gold medal, a citation and a cash award of Rs. 1 lakh (from the endowment given by the DBT, GOI). Prof. MGK Menon Memorial Award would carry an honorarium of Rs. 1 lakh with a Gold Medal. In all above 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 are to be held this year (2022) :

- i) Dr. P. Sheel Memorial Lecture Award; Instituted by the Academy in the year 1988 from the endowment given by Mrs. Radhika Sheel.
- ii) 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.
- iii) 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.
- iv) 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.
- v) Prof. B.K. Bachhawat Memorial Young Scientist Lecture Award; Instituted by the Academy in the year 2002.
- vi) 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;
- vii) 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.
- viii) Prof. Krishnaji Memorial Lecture Award; Instituted by the Academy in the year 2005 from the endowment given by Prof. Abhai Man Singh and
- ix) Dr Mridula Kamboj Memorial Lecture Award; Instituted by the Academy in the year 2016 from the endowment given by Prof. V. P. Kamboj.

**The awardee, in Dr Mridula Kamboj Memorial 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, each awardees will be given a medal, a citation and a cash award of Rs. 10,000/-.**

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

- i) 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.
- ii) Prof. Salig Ram Sinha Memorial Lecture may be delivered in any front line topic in Plant Sciences with special reference to Plant Pathology.
- iii) Prof. R.C. Gupta Endowment History of Science Lecture may be delivered in any area encompassing History of Science.
- iv) Prof. R.N. Tandon Memorial Lecture may be delivered in any area in Plant Sciences.
- v) Prof. B.K. Bachhawat Memorial Young Scientist 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.
- vi) Prof. Shri Ranjan Memorial Lecture may be delivered in the area of Plant Molecular Biology.
- vii) Award Lecture in the field of Toxicology may be delivered in the area of Toxicology (in the broadest sense).
- viii) Prof. Krishnaji Memorial Lecture in the area of Experimental Physics and Instrumentation to an Indian citizen who has made commendable contributions in the area.
- ix) Dr Mridula Kamboj Memorial Lecture Award may be delivered in any area of Biomedical Sciences

#### **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.

### **PAST RECIPIENTS OF THE AWARDS/LECTURES/MEDALS**

#### **Prof. Meghnad Saha Memorial Lecture Awardees**

**Prof. Govind Swarup**, Radio Astronomy Centre, Tata Institute of Fundamental Research, Bombay  
**Prof. A.P. Mitra**, Director-General, Council for Scientific & Industrial Research, New Delhi  
**Prof. M.G.K. Menon**, 77, Lodi Estate, New Delhi  
**Prof. Virendra Singh**, Director, Tata Institute of Fundamental Research, Mumbai  
**Prof. S.K. Joshi**, Former Director General, CSIR, New Delhi  
**Dr. R. Chidambaram**, Chairman, Atomic Energy Commission & Secretary, Department of Atomic Energy, Mumbai  
**Prof. T.V. Ramakrishnan**, Deptt. of Physics, Indian Institute of Science, Bangalore  
**Prof. K. Kasturirangan**, Director, National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore  
**Prof. Sushanta Dattagupta**, Formerly Director, S.N. Bose National Centre for Basic Sciences, Kolkata  
**Prof. Bikash C. Sinha**, Director, VECC & Saha Institute of Nuclear Physics, Kolkata  
**Prof. Ajay K. Sood**, Chairman, Division of Physical & Mathematical Sciences, Professor, Department of Physics, Indian Institute of Science, Bangalore  
**Dr. Satinder Kumar Sikka**, DAE Homi Bhabha Chair Professor, Bhabha Atomic Research Centre, Mumbai  
**Prof. Bimla Buti**, Director, Centre for Science & Society, New 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  
**Dr. Sandip P. Trivedi**, Director & Sr. Professor, TIFR, Mumbai.  
**Prof. Anurag Sharma**, IIT Delhi, New Delhi  
**Dr. Srikumar Banerjee**, Chancellor, Bhabha Atomic Research Centre, Mumbai  
**Prof. Ajoy K. Ghatak**, Former Professor of Physics at IIT Delhi, New Delhi  
**Dr. N. Mukunda**, Formerly Professor, Indian Institute of Science, Bangalore  
**Prof. V. Ram Gopal Rao**, Director, IIT, Delhi, Hauz Khas, New Delhi

#### **Prof. N.R. Dhar Memorial Lecture Awardees**

**Prof. R.C. Mehrotra**, Professor Emeritus, Chemistry Department, University of Rajasthan, Jaipur  
**Dr. N.S. Randhawa**, Former Director General, Indian Council of Agricultural Research, New Delhi  
**Prof. C.N.R. Rao**, President, Jawaharlal Nehru Centre for Advanced Scientific Research, I.I.Sc. Campus, Bangalore  
**Prof. Rajinder Kumar**, Department of Chemical Engineering, I.I.Sc., Bangalore  
**Prof. M.M. Sharma**, Kothari Research Professor, J.N. Centre for Advanced Research, Mumbai

**Prof. J.P. Mittal**, Director, Chemistry & Isotope Group, Bhabha Atomic Research Centre, Trombay, Mumbai  
**Prof. Girjesh Govil**, DAE-BRNS Senior Scientist, Department of Chemical Sciences, Tata Institute of Fundamental Research, Mumbai  
**Prof. C.L. Khetrapal**, Director, Centre of Biomedical Magnetic Resonance, Sanjay Gandhi P.G. Institute of Medical Sciences, Lucknow  
**Dr. Anil Kumar**, Scientist, Physical Chemistry Division, National Chemical Laboratory, Pune  
**Prof. Ashok Misra**, Former Director, IITB, 68 Adarsh Vista, Basavan Nagar, Vibuthipura, Bangalore  
**Prof. Goverdhan Mehta**, Honorary Professor and CSIR Bhatnagar Fellow, Department of Organic Chemistry, Indian Institute of Science, Bangalore  
**Dr. S. Swaminathan**, Head, Polymer Chemistry Division, National Chemical Laboratory, Pune.  
**Prof. P. Balram**, Professor (Emeritus), Molecular Biophysics Unit, Indian Institute of Science, Bangalore  
**Dr. R.A. Mashelkar**, National Research Professor, NCL, Pune.  
**Dr. Madhu Dikshit**, Director, CSIR-CDRI, Lucknow  
**Dr. A.K. Nangia**, Director, National Chemical Laboratory, Pune  
**Prof. V. Chandrasekhar**, Centre Director, TIFR Hyderabad, Hyderabad  
**Dr. Rakesh K Mishra**, Director, CCMB, Hyderabad  
**Dr. Avesh K. Tyagi**, Associate Director, Chemistry Group, BARC, Mumbai-400085

#### **Prof. Archana Sharma Memorial Lecture Awardees**

**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-110070  
**Prof. Veena Tandon**, Department of Zoology, North Eastern Hill University, Shillong  
**Prof. (Mrs.) Kasturi Datta**, DBT Distinguished Biotechnology, Professor, School of Environmental Sciences, Adjunct Professor, Special Centre for Molecular Medicine, Jawaharlal Nehru University, New Delhi  
**Prof. Mahtab Bamji**, INSA Hon. Scientist, Dangoria Charitable Trust, Hyderabad  
**Prof. Chandrima Saha**, Director, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi  
**Prof. Sneha Bhargava**, Professor Emeritus and Formerly Director, AIIMS, New Delhi  
**Dr. Suchitra Banerjee**, Chief Scientist, Plant Biotechnology Division, CSIR-CIMAP, Lucknow  
**Prof. Rohini M. Godbole**, Centre for High Energy Physics, IISc, Bangalore.  
**Prof. Jaya Sivaswami Tyagi**, AIIMS, New Delhi.  
**Dr. Nilima A. Kshirsagar**, National Chair Clinical Pharmacology, ICMR, New Delhi  
**Prof. Paramjit Khurana**, Department of Plant Molecular Biology, University of Delhi, South Campus, New Delhi  
**Dr. Subhra Chakraborty**, Staff scientist-VII, NIPGR, Aruna Asif Ali Marg, New Delhi  
**Dr. K. Indira Priyadarsini**, DAE, Raja Ramanna Fellow, UM-DAE Centre for Excellence in Basic Sciences, University of Mumbai, Mumbai

#### **Prof. M.G.K. Menon Lecture Awardees**

**Prof. Balram Bhargava**, Department of Cardiology, All India Institute of Medical Sciences, Ansari Nagar, New Delhi – 110029  
**Dr. T.R. Sharma**, Director, ICAR-National Research Centre on Plant Biotechnology, Pusa Campus, New Delhi  
**Dr. Ajay K. Parida**, Director, ILS, Bhubaneswar  
**Dr. V. Ramgopal Rao**, Director, IIT Delhi, New Delhi  
**Dr. Nikhil Tandon**, Professor, Department of Endocrinology & Metabolism, AIIMS, New Delhi  
**Prof. Amit P. Sharma**, Director, ICMR-NIMR, Sector-8, Dwaraka, New Delhi  
**Dr. Anil Bhardwaj**, Director, Physical Research Laboratory, A Unit of Department of Space, Govt. of India, Ahmedabad

#### **Prof. M.G.K. Menon Memorial Awardees**

**Prof. Govind Swarup, FRS**, Former Director, NCRA/GMRT, TIFR, Pune  
**Prof. P N Tandon**, President, National Brain Research Society, Manesar.  
**Prof. Manju Sharma**, Former Secretary to GOI, New Delhi  
**Dr. K. Kasturirangan**, Chairman, Raman Research Institute Council, Bangalore  
**Prof. C.N.R. Rao**, Linus Pauling Research Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore  
**Prof. Vijayalakshmi Ravindranath**, Director, Centre for Brain Research, Indian Institute of Science, Bangalore  
**Prof. Ashok Misra**, NASI Platinum Jubilee Chair Professor at IISc Bangalore, Bengaluru

#### **Prof. V.P. Sharma Memorial Lecture Awardees**

**Dr. Padmanaban Govindarajan**, INSA Senior Scientist/Hon. Professor, Indian Institute of Science, Bangalore; Senior Science and Innovation Advisor, BIRAC, DBT, New Delhi  
**Dr. V.P. Kamboj**, Chairman, BCIL, New Delhi  
**Dr. Neena Valecha**, Director, ICMR-NIMR, New Delhi  
**Prof. Veena Tandon**, NASI Senior Scientist Platinum Jubilee Fellow, Biotech Park, Lucknow  
**Dr. Ramesh Chand Dhiman**, Senior Consultant, Former Scientist 'G' & ICMR-NIMR, Sector-8, Dwaraka, New Delhi  
**Dr. M.V. Padma Srivastava**, Professor and Head, Department of Neurology, Chief, Neurosciences Center, AIIMS, New Delhi

### **Prof. A.K. Sharma Memorial Lecture Awardee**

**Prof. Asis Datta**, Former NASI Platinum Jubilee Chair Distinguished Professor & Former Director, NIPGR, New Delhi

**Prof. Sudhir K. Sopory**, Formerly Vice Chancellor, JNU, New Delhi

**Prof. Akhilesh K. Tyagi**, Professor, Department of Plant Molecular Biology, University of Delhi, South Campus, New Delhi

**Prof. Pramod Tandon**, Former CEO, Biotech Park, Lucknow

### **Prof. Prafulla Chandra Ray Memorial Lecture Awardee**

**Prof. Animesh Chakravorty**, Emeritus Professor, Indian Association for the Cultivation of Science, Kolkata

**Dr. A.V. Rama Rao**, Chairman & Managing Director, AVRA Laboratories, Hyderabad

**Prof. Seyed Ehtesham Hasnain**, Vice Chancellor and Professor, JH-IMM, Jamia Hamdard, Hamdard Nagar, New Delhi

**Dr. Ved Prakash Kamboj**, NASI Hon. Scientist, Biotech Park, Kursi Road, Lucknow-226021

### **Prof. S.K. Joshi Memorial Lecture Awardee**

**Prof. Man Mohan Sharma**, Former Director, Institute of Chemical Technology (UDCT), Mumbai

### **Dr. P. Sheel Memorial Lecture Awardees**

**Dr. S.P. Gon Chowdhury**, Deptt. of Science, Technology & Environment, Govt. of India

**Dr. C.V. Seshadri**, Director, Sri A.M.M. Murugappa Chettiar Research Centre, Madras

**Prof. G.S. Venkataraman**, Director, DBT Centre for BGA Biofertilizer, School of Biological Sciences, Madurai Kamraj University, Madurai

**Dr. N.H. Antia**, Chairman & Director, Foundation for Research in Community Health, Mumbai

**Dr. Ashok Jhunjunwala**, Head, Deptt. of Electrical Engineering, I.I.T., Chennai

**Dr. Anil Joshi**, Himalayan Environmental Studies and Conservation Organization, Village – Ghisarapalli, P.O. Nehuwala Via Majra, Dehradun (Uttaranchal)

**Prof. Sneh Bhargava**, Formerly Director, AIIMS, A-103, New Friends Colony, New Delhi - 110065

**Dr. S. Ayyappan**, Secretary, DARE & Director General, ICAR, New Delhi

**Prof. Balram Bhargava**, Department of Cardiology, AIIMS, New Delhi.

**Dr. R. Balasubramanina**, Director, Institute of Mathematical Sciences, Chennai

**Dr. Renu Swarup**, Secretary, Govt. of India, DBT, New Delhi

**Prof. Bina Ravi**, Senior Professor of Surgery and Chair, Integrated Breast Care Centre, AIIMS Rishikesh

### **Professor Saligram Sinha Memorial Lecture Awardees**

**Prof. K.S. Bilgrami**, Head, PG Department of Botany, Bhagalpur University, Bhagalpur

**Prof. (Mrs) Archana Sharma**, CAS in Botany, University of Calcutta, Calcutta

**Prof. Deepak Pental**, Professor of Genetics and Director, Centre for Genetic, Manipulation of Crop Plants, University of Delhi, New Delhi

**Prof. S.K. Sopory**, I.C.G.E.B., Aruna Asaf Ali Marg, New Delhi

**Prof. C. Manoharachary**, Emeritus Scientist (CSIR), Department of Botany, Osmania University, Hyderabad

**Prof. Pramod Tandon**, Formerly V.C., NEHU; Professor, Department of Botany, North Eastern Hill University, Shillong

**Prof. Madhav D. Gadgil**, Former Professor, IISc, Bangalore

**Prof. Arun Kumar Pandey**, University of Delhi, Delhi

**Prof. K.V. Peter**, Trustee, Federal Ashwas Trust, Kuruppacharil, TC-12/1309 Mullakkara, P.O. Mannuthy, Thrissur

### **Prof. R.C. Gupta Endowment History of Science Lecture Awardees**

**Prof. Deepak Kumar**, Zakir Husain Centre for Educational Studies, School of Social Sciences, Jawaharlal Nehru University, New Delhi

**Prof. B.V. Subbarayappa**, Past President, IUHPS, KT-3, Apts. 301, 14th Cross, 8th Block, Jaya Nagar, Bangalore

**Dr. A.K. Bag**, Advisor (History of Science), Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi - 110002

**Prof. Rajesh Kochar**, Formerly Director & Scientist, National Institute of Science, Technology and Development Studies (CSIR), New Delhi

**Dr. P.P. Divakaran**, Adjunct Professor, Chennai Mathematical Institute, Chennai

**Prof. K. Ramasubramanian**, Cell for Indian Science & Technology in Sanskrit, IIT Bombay, Mumbai.

**Prof. H.Y. Mohan Ram**, Formerly Professor of Botany, University of Delhi, Delhi.

**Prof. P.N. Tandon**, President, National Brain Research Centre, Manesar, Haryana.

**Dr. Nitya Anand**, Former Director, CDRI, Lucknow.

**Prof. Satya Deo**, Honorary Scientist, HRI, Allahabad

**Prof. V.S. Ramamurthy**, Emeritus Professor, National Institute of Advanced Studies, Bengaluru

### **Prof. R.N. Tandon Memorial Lecture Awardees**

**Prof. Anupam Varma**, Dean & Joint Director (Edn.), Indian Agricultural Research Institute, New Delhi

**Prof. H.N. Verma**, Professor & Head, Department of Botany, Lucknow University, Lucknow

**Prof. H.Y. Mohan Ram**, Formerly Professor of Botany, D.U., 194, SFS DDA Flats, S.P. Mukherjee Nagar, Delhi

**Dr. Paramvir Singh Ahuja**, Director, Institute of Himalayan Bioresource Technology, Palampur

**Prof. Pramod Tandon**, Vice-Chancellor, North-Eastern Hill University, Shillong  
**Prof. L.C. Rai**, CAS in Botany, Banaras Hindu University, Varanasi  
**Prof. S.K. Sopory**, Vice-Chancellor, Jawaharlal Nehru University, New Delhi  
**Prof. A.N. Purohit**, Formerly Vice-Chancellor, HNB Garhwal University, Dehradun  
**Prof. Anil K. Tripathi**, Director, CIMAP, Lucknow  
**Dr. Sanjay Kapoor**, University of Delhi South Campus, New Delhi  
**Dr. S.K. Barik**, Director, CSIR-NBRI, Lucknow

#### **Prof. B.K. Bachhawat Memorial Young Scientist Lecture Awardees**

**Dr. Pratima Srivastava**, Scientist C, Pharmacokinetics and Metabolism Division, CDRI, Lucknow  
**Dr. Amita Gupta**, Department of Biochemistry, University of Delhi, South Campus, Benito Juarez Road, New Delhi  
**Dr. Amit P. Sharma**, Group Leader, Structural and Computational Biology Group, International Centre for Genetic Engineering & Biotechnology, New Delhi  
**Dr. (Smt.) Saman Habib**, Scientist E-1, Division of Molecular & Structural Biology, Central Drug Research Institute, Lucknow  
**Dr. Ashish Arora**, Scientist, Central Drug Research Institute, Lucknow  
**Dr. Mukesh Jain**, Staff Scientist III, NIPGR, New Delhi  
**Dr. Anindita Ukil**, Assistant Professor, Department of Biochemistry, University of Calcutta, Kolkata  
**Dr. Sanjeev Das**, Staff Scientist V, National Institute of Immunology, New Delhi  
**Dr. Swarup Kumar Parida**, NIPGR, New Delhi  
**Dr. Timir Tripathi**, Asst. Prof. (Selection Grade), Dept. of Biochemistry, North-Eastern Hill University, Shillong

#### **Professor Shri Ranjan Memorial Lecture Awardees**

**Dr. L.M.S. Palni**, Sr. Scientific Advisor-Biotechnology & Project Director, State Biotechnology Programme, U.S. Nagar, Uttarakhand  
**Prof. Jitendra Pal Khurana**, Coordinator (UGC-SAP), Dept. of Plant Molecular Biology, University of Delhi South Campus, New Delhi  
**Dr. Sunil Kumar Mukherjee**, Associate Scientist, Plant Molecular Biology Group, International Centre for Genetic Engineering & Biotechnology, New Delhi  
**Prof. Deepak Pental**, Vice-Chancellor, University of Delhi, New Delhi  
**Prof. Akhilesh K. Tyagi**, Director, NIPGR, New Delhi  
**Prof. Paramjit Khurana**, Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi  
**Prof. Madhoolika Agrawal**, Department of Botany, BHU, Varanasi  
**Prof. L.C. Rai**, BHU Distinguished Professor, BHU, Varanasi  
**Dr. Sanjay Kumar**, Director, CSIR-Institute of Himalayan Bioresources Technology, Palampur

#### **Award Lecture in the field of Toxicology**

**Dr. P.S. Chauhan**, Formerly Head, Cell Biology Division, Emeritus Medical Scientist (ICMR), Biosciences Group, Bhabha Atomic Research Centre, Trombay, Mumbai  
**Prof. P.K. Seth**, C.E.O. Biotech Park, Sector G, Jankipuram, Kursi Road, Lucknow  
**Prof. Alok Dhawan**, Scientist EII, Development Toxicology Division, Industrial Toxicology Research Centre, Lucknow  
**Dr. Devendra Parmar**, Scientist F & Head, Developmental Toxicology Division, Indian Institute of Toxicology Research, Lucknow  
**Prof. Nikhil Tandon**, Endocrinology & Metabolism Dept., AIIMS, New Delhi  
**Prof. K.C. Gupta**, Director, Indian Institute of Toxicology Research, Lucknow  
**Prof. Pramod Garg**, Dept. of Gastroenterology, AIIMS, New Delhi  
**Dr. Aditya Bhushan Pant**, Principal Scientist, CSIR-IITR, Lucknow  
**Dr. Mukul Das**, Advisor, Shriram Inst. of Industrial Research, 19 University Road, Delhi

#### **Prof. Krishnaji Memorial Lecture Awardees**

**Prof. M.G.K. Menon**, Adviser, ISRO, Department of Space, Govt. of India, K-5 (Rear), Hauz Khas, New Delhi  
**Prof. Suresh Chandra**, NASI-Senior Scientist Platinum Jubilee Fellow, Physics Department, Banaras Hindu University, Varanasi  
**Prof. S.K. Joshi**, NASI Platinum Jubilee Chair, National Physical Laboratory, New Delhi  
**Prof. M. Vijayan**, Molecular Biophysics Unit, Indian Institute of Science, Bangalore  
**Prof. Govind Swarup**, Formerly INSA Honorary Scientist & Director, NCRA/GMRT, Pune  
**Dr. K. Kasturirangan**, Hon. Distinguished Advisor, ISRO  
**Prof. H.S. Mani**, Adjunct Professor, Chennai Mathematical Institute, Chennai  
**Prof. Jayant Narlikar**, Emeritus Professor, Inter-University Centre for Astronomy and Astrophysics, Pune University Campus, Pune

#### **Dr. Mridula Kamboj Memorial Lecture Awardee**

**Dr. MV Padma Srivastava**, Professor of Neurology, AIIMS, New Delhi  
**Dr. Smita Dilip Mahale**, Scientist G and Director, ICMR-National Institute for Research in Reproductive Health, Mumbai  
**Dr. Shally Awasthi**, Professor and Head, Dept. of Pediatrics, KGMC, Lucknow



# THE NATIONAL ACADEMY OF SCIENCES, INDIA

5, LAJPATRAI ROAD, ALLAHABAD – 211002, INDIA

## PROFORMA FOR SUBMITTING NOMINATION FOR ACADEMY AWARDS/LECTURES/MEDALS

Name of The Academy Awards/Lectures/Medals: .....

1. Name of the Applicant :
2. Date and place of birth :
3. Present position & official address :
4. Positions held earlier :
5. Academic qualifications :
6. Details of any earlier award(s) received :  
(only give highlights of the work awarded)
7. (i) Significant contributions made in the field of  
the Award (up to 2000 words) :  
(ii) Summary of the most significant work in the  
area on which award is being claimed (up to 500 words) :  
(iii) Impact of the contributions (not exceeding 75 words) :
8. List of publications connected with concerned study :  
(Enclose reprints of connected 5 research papers)
9. (i) List of applicant's most significant  
publications in standard refereed journals only :  
(ii) List of papers presented in Conferences/Symposia/Seminars :  
(iii) List of the most outstanding Technical Reports/Reviews :
10. List of patents taken, if any :
11. List of Technologies commercialized :
12. Details of books published (if any) :
13. Any additional information of relevance :

Place :

Date :

Signature of the Fellow

Name, Designation & Address



# WOMEN IN SCIENCE LECTURE SERIES



On the Eve of the 75 years of Independence, the National Academy of Sciences, India (NASI) is celebrating Azadi Ka Amrit Mahotsav through different science and society initiatives. As part of NASI's science and society initiative, Delhi Chapter of NASI and Jaypee Institute of Information Technology (JIIT, Noida) will jointly organize a series of lectures entitled, "Women in Science Lecture Series". All the lectures of this series will be delivered by the eminent Women Scientists. The lectures will be aimed to motivate young female students involved in UG, PG and PhD programs to continue science. All the talks will have two parts. In one part, the speaker will speak lucidly about her research works and the other part will be focused to inculcate confidence among the young students that even they can do top-class science and thus contribute to the society. Some practical problems that a growing scientist faces and how to circumvent those may also be discussed during the interaction sessions at the end.

Kindly make it convenient to join and encourage your students to actively participate in the discussion.

## Lecture 4

### About the speaker

She is an NMR spectroscopist, whose research is poised at the interface of Physics and Biology. Her current research interests include NMR Quantum Computing, Diffusion Studies using Gradient NMR, NMR of Nanomaterials, NMR Methodology Development and Biomolecular Structure and Dynamics Determination.

**Title: Applications of NMR in Physics & Biology: Quantum Computing and Brain Cognitive Functions**

### Abstract:

NMR Spectroscopy is a versatile, sophisticated analytical tool that has found a myriad of applications in different fields of Science, including Physics, Chemistry, Biology, Environmental Science, Medical Diagnostics, Neuroscience, Materials Science and Geology, to name a few. This talk will begin with the fundamentals of the NMR phenomenon and give an overview of its various applications. I will also focus on two important and novel applications of NMR in studies of quantum computing and brain cognitive functions.

Date & Time: May 13, 2022 04:00 (IST)

Zoom link <https://us02web.zoom.us/j/84944350971?pwd=ek5KTjdpTndscjJOS0VtNW9RaFpEQT09>

Meeting ID: 849 4435 0971, Pass code: 310410



**Dr. Kavita Dorai**

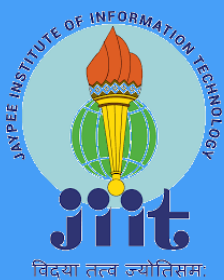
Professor, Physical Sciences

More info. about the speaker can be found at [here](#).

Convener **Prof. Anirban Pathak** **Prof. Papia Chowdhury**  
anirban.pathak@jiit.ac.in papia.chowdhury@jiit.ac.in

To attend these talks and receive announcements of other talks of this series kindly fill the form <https://forms.gle/ehFrhwYrEUxGLVJv6>

**DEPARTMENT OF PHYSICS AND MATERIALS SCIENCE AND ENGINEERING**  
**JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY**  
**A-10, Sector-62, Noida-201 309, Uttar Pradesh, India**



# Women in Science Lecture Series



On the Eve of the 75 years of Independence, the National Academy of Sciences, India (NASI) is celebrating Azadi Ka Amrit Mahotsav through different science and society initiatives. As part of NASI's science and society initiative, Delhi Chapter of NASI and Jaypee Institute of Information Technology (JIIT, Noida) will jointly organize a series of lectures entitled, "Women in Science Lecture Series". All the lectures of this series will be delivered by the eminent Women Scientists. The lectures will be aimed to motivate young female students involved in UG, PG and PhD programs to continue science. All the talks will have two parts. In one part, the speaker will speak lucidly about her research works and the other part will be focused to inculcate confidence among the young students that even they can do top-class science and thus contribute to the society. Some practical problems that a growing scientist faces and how to circumvent those may also be discussed during the interaction sessions at the end.

Kindly make it convenient to join and encourage your students to actively participate in the discussion.



## Dr. Chandrima Shaha

More info. about the speaker can be found at [here](#).

### Date & Time:

May 26, 2022 06:00 PM (IST)

Zoom link [https://us02web.zoom.us/j/86324585099?pwd=SN3LCKTK-FiuKaWyt3yvEflsIGb\\_po.1](https://us02web.zoom.us/j/86324585099?pwd=SN3LCKTK-FiuKaWyt3yvEflsIGb_po.1)

[https://us02web.zoom.us/j/86324585099?pwd=SN3LCKTK-FiuKaWyt3yvEflsIGb\\_po.1](https://us02web.zoom.us/j/86324585099?pwd=SN3LCKTK-FiuKaWyt3yvEflsIGb_po.1)

Meeting ID: 863 2458 5099  
Pass code: 979077

Link for YouTube Live

Telecast:

<https://www.youtube.com/channel/UCWgXoRptNM7-cEgkxthRCFg>

## Lecture 5

### About the speaker

*Dr. Chandrima Shaha is a biologist, President of the Indian National Science Academy, the premier body of science in India and JC Bose Chair Distinguished Professor at the Indian Institute of Chemical Biology at Kolkata. She is also the Former Director of the National Institute of Immunology, New Delhi. Her research interests' centres around the elucidation of the processes that influence cell death programs under varying physiological conditions in diverse organisms. She is an elected fellow of the World Academy of Sciences and fellow of all three Science Academies of India. She served as a member in the Councils of all three National Academies. Notable awards include the Ranbaxy Science Foundation Award for basic sciences; the J.C. Bose Fellowship; Shanti Swarup Bhatnagar Medal of INSA; Om Prakash Bhasin Award; Archana Sharma Memorial Award; DarshanRanganathan Memorial Award; Chandrakala Hora Memorial Medal and the Shakuntala Amir Chand Prize.*

## Improving engagement in science: the challenge

### Abstract:

*Engagement in science for both men and women is important in the context of increasing the scientific manpower. This is essential for the developmental goals of a country. Engagement for women in particular is important because the number of women involved in science is far less although they form half of the society. Brilliant examples of women scientists abound and they have succeeded as scientists, doctors and entrepreneurs. Such role models are an inspiration for the future generation. There are encouraging data to support that women participation in science has increased in India in the recent past, however, critical examination of persistent problems is required to understand what needs to be done. More men and women involved in science will mean more scientific manpower in general.*

Convener

**Prof. Anirban Pathak**  
anirban.pathak@jiit.ac.in

**Prof. Papia Chowdhury**  
papia.chowdhury@jiit.ac.in

To attend these talks and receive announcements of other talks of this series kindly fill the form <https://forms.gle/ehFrhwYrEUxGLVjv6>



राष्ट्रीय विज्ञान अकादमी, भारत (नासी)-वाराणसी चैप्टर, हाल के दिनों में स्कूली छात्राओं के लिए विभिन्न विज्ञान जागरूकता और प्रेरक कार्यक्रम आयोजित करता रहा है। कार्यक्रम का उद्घाटन नासी (NASI)-वाराणसी चैप्टर, की चेयरपर्सन प्रो. मधुलिका अग्रवाल ने किया। प्रो. मधुलिका अग्रवाल ने इस राष्ट्रीय मंच के उद्देश्यों और युवा छात्राओं के बीच वैज्ञानिक और तकनीकी ज्ञान और जागरूकता को बढ़ावा देने के लिए अकादमी द्वारा किए जा रहे प्रयासों के बारे में विस्तार से बताया। प्रो. अग्रवाल ने नवोदित बालिका वैज्ञानिकों के बीच विज्ञान को रोजगार के रूप में अपनाने के लिए उत्सहित करने में अकादमी की भूमिका के बारे में बताया, जो NASI के इस तरह के समर्थन और प्रयासों से भविष्य में बेहतर कर सकते हैं। एमएमवी, बीएचयू से प्रो. नीलम श्रीवास्तव ने बताया कि यह कार्यक्रम किस प्रकार युवा महिलाओं को बुनियादी विज्ञान में उच्च अध्ययन के लिए अपने भविष्य की योजना बनाने में मदद, प्रेरित और प्रोत्साहित करेगा। इस अवसर पर जीवविज्ञान विभाग के प्रख्यात वैज्ञानिक, प्रो जे के राँय और भौतिकी विभाग, बीएचयू के प्रो० अभय कुमार सिंह द्वारा व्याख्यान दिए गए। प्रो. राँय ने छात्रों को जेनेटिक्स और कैंसर अनुसंधान की दुनिया से परिचित कराया और इस क्षेत्र में एक मील का पथर साबित हुई खोजों की जानकारी दी; इस कार्यक्रम में वाराणसी और पूर्वी उत्तर प्रदेश के ९ सरकारी स्कूलों से ५८ छात्राओं ने भाग लिया जिनको NASI टीम द्वारा फरवरी में आयोजित प्रतिस्पर्धा के आधार पर लगभग 800 छात्रों में से चुना गया था। सत्र का संचालन NASI टीम के सदस्यों प्रो. ऋचा रघुवंशी, डॉ. शैलजा एस. सुनकारी और डॉ. गौतम गीता जीवात्रम के सहयोग से किया गया।

# THE NATIONAL ACADEMY OF SCIENCES, INDIA



## 'NATIONAL TECHNOLOGY DAY' CELEBRATIONS

*Theme: "Integrated Approach in Science and Technology for Sustainable Future".*

*----- Tentative Programme (online) -----*

**WEDNESDAY, MAY 11, 2022**

11.30 am - 1.00 pm

\*\*\*\*\*

Web link: <https://nasi.webex.com/nasi/j.php?MTID=m370ae66c02a5f3b14f0bd746fc164bc6>

- Welcome (05 min) : Prof. Madhoolika Agrawal, General Secretary (HQ), NASI
- Inaugural Address (15 min) : Prof. Manju Sharma, former Secretary, DBT, Govt. of India;  
and Past President, NASI
- Keynote Address (30 min) : Prof. V P Kamboj, Past President, NASI  
(Prof. Prafulla Chandra Ray Memorial Lecture Award -2021)
- Theme Address (20 min) : Dr. Renu Swarup, former Secretary, DBT, Govt. of India
- Presidential Remarks (10 min) : Prof. Anurag Sharma, Officiating President, NASI
- Concluding Remarks (05 min) : Prof. J.R.Bellare, General Secretary (OS), NASI
- Vote of thanks : Dr. Niraj Kumar, Executive Secretary, NASI



# National Technology Day (NTD)-2022 Celebration Organized by



**The National Academy of Sciences, India -Mumbai**  
**Chapter (NASI-MC)**

*in association with*

**K. C. College of Engineering & Management Studies &  
Research, Thane**

*On*

**Wednesday, 11<sup>th</sup> May, 2022 at 13:00- 16:00 hrs**

## **Programme Schedule**

13:00 hrs	<i>Welcome Address:</i> Dr Vilas Nitnaware, Principal, K.C.College of Engineering & Management & Research, Thane. <i>Opening Remarks:</i> Prof AK Singh, Chairman, NASI-MC.
<b>Technical Session-1: Chair: Prof A K Singh</b>	
13:30	Prof Narendra Shah (Member Secretary, Rajiv Gandhi Science & Technology Commission, Govt of Maharashtra, Mumbai).
14:00	Prof Sahana V. Murthy (Professor in Interdisciplinary Programme in Educational Technology, IIT Bombay)
<b>Technical Session-2: Chair: Prof K P Mishra</b>	
14:30	Dr Om Shrivastav (Jaslok Hospital & Research Centre, Mumbai)
15:00	Dr H S Misra (Molecular Biology Division, BARC Mumbai)
<b>Technical Session-3: Chair: Prof S Mazumdar</b>	
15:30	Dr Puja Rai Pradhan (COO, KC College of Engineering & Management & Research, Thane)
16:00	Discussion: Technology Intervention Challenges and Opportunities in S&T Education.
16:30	Vole of thanks: Prof P A Hassan (Secretary, NASI-MC)

**Venue:** K.C. College of Engineering & Management Studies & Research, Thane (E)  
**ALL ARE CORDIALLY WELCOME**

Please join using the **Zoomlink** given below:

<https://zoom.us/j/94496279140?pwd=Rit0emJwLOVaaGJqc0xvMUZ2RDI4QT09>

Meeting ID: 944 9627 9140 & Passcode: 157333

**CONTACT:**

NASI-MC: [hassan@barc.gov.in](mailto:hassan@barc.gov.in)

Venue: [principal@kccemsr.edu.in](mailto:principal@kccemsr.edu.in)



**9 मई 2022: वाराणसी चैप्टर द्वारा आयोजित कार्यक्रम (फोटो सत्र विवरण):**

राष्ट्रीय विज्ञान अकादमी, भारत (नासी)-वाराणसी चैप्टर, हाल के दिनों में स्कूली छात्राओं के लिए विभिन्न विज्ञान जागरूकता और प्रेरक कार्यक्रम आयोजित करता रहा है। कार्यक्रम का उद्घाटन नासी (NASI)-वाराणसी चैप्टर, की चेयरपर्सन प्रो. मधुलिका अग्रवाल ने किया। प्रो. मधुलिका अग्रवाल ने इस राष्ट्रीय मंच के उद्देश्यों और युवा छात्राओं के बीच वैज्ञानिक और तकनीकी ज्ञान और जागरूकता को बढ़ावा देने के लिए अकादमी द्वारा किए जा रहे प्रयासों के बारे में विस्तार से बताया। प्रो. अग्रवाल ने नवोदित बालिका वैज्ञानिकों के बीच विज्ञान को रोजगार के रूप में अपनाने के लिए उत्साहित करने में अकादमी की भूमिका के बारे में बताया, जो NASI के इस तरह के समर्थन और प्रयासों से भविष्य में बेहतर कर सकते हैं। एमएमवी, बीएचयू से प्रो. नीलम श्रीवास्तव ने बताया कि यह कार्यक्रम किस प्रकार युवा महिलाओं को बुनियादी विज्ञान में उच्च अध्ययन के लिए अपने भविष्य की योजना बनाने में मदद, प्रेरित और प्रोत्साहित करेगा। इस अवसर पर जीवविज्ञान विभाग के प्रख्यात वैज्ञानिक, प्रो जे के राँय और भौतिकी विभाग, बीएचयू के प्रो० अभय कुमार सिंह द्वारा व्याख्यान दिए गए। प्रो. राँय ने छात्रों को जेनेटिक्स और कैंसर अनुसंधान की दुनिया से परिचित कराया और इस क्षेत्र में एक मील का पत्थर साबित हुई खोजों की जानकारी दी; इस कार्यक्रम में वाराणसी और पूर्वी उत्तर प्रदेश के ९ सरकारी स्कूलों से ५८ छात्राओं ने भाग लिया जिनको NASI टीम द्वारा फरवरी में आयोजित प्रतिस्पर्धा के आधार पर लगभग 800 छात्रों में से चुना गया था। सत्र का संचालन NASI टीम के सदस्यों प्रो. ऋचा रघुवंशी, डॉ. शैलजा एस. सुनकारी और डॉ. गौतम गीता जीवात्रम के सहयोग से किया गया।

**BRAHMAPUTRA GALLERY ESTB. BY NASI/DST AT GUWAHATI**



**HANDING OVER THE BRAHMAPUTRA GALLERY TO THE GOVT. OF ASSAM**



NASI celebrated the International biodiversity day-2022 in a unique manner. Just on the eve of this day (i.e. on May 21, 2022), the Academy handed over the multidimensional, electronically equipped Brahmaputra gallery established by the NASI (with the financial support of the DST, GoI; and technical support of the NCSM), to the Govt. of Assam. The gallery will exist as the joint property of the NASI/DST & AWARMI; it was created with the support (infrastructure) of the 'Assam Govt.' in the premises of AWARMI, Guwahati in 2015, inaugurated by Dr Jitendra Singh, Hon'ble Minister for Sc. & Tech., GoI. The gallery is fully interactive having audio-visual information on biodiversity, socio-economic aspects, scientific aspects & explanations etc. about the whole biome of the Brahmaputra river-system.



**A Panoramic view of the gallery**