



Department of
Science &
Technology,
Government of
India



**THE NATIONAL ACADEMY OF SCIENCES, INDIA
(NASI)
&
BHABHA ATOMIC RESEARCH CENTRE
(BARC)**



NASI



BARC

98RD ANNUAL SESSION OF NASI AND SYMPOSIUM

ON

'INDIA SECURE @75'

(An endeavour to celebrate and support Atma Nirbhar Bharat)

AT

DAE CONVENTION CENTRE, BARC, MUMBAI

3RD - 5TH DECEMBER 2023

NASI: A Brief Profile - The idea of establishing a forum for Indian scientists, which would help them on one platform to discuss and find scientific solutions to the problems of the country, was mooted by **Prof. Meghnad Saha**, a great scientist, visionary and the then Professor of Physics at the University of Allahabad. His views were published in an article titled 'A Plea for an Academy of Sciences' in December 1929 issue of the University of Allahabad magazine; in the very next year, The National Academy of Sciences, India was established as the first Science Academy of this country. Speaking in the inaugural session, Prof. Saha said:

“An Academy of Science can do a great deal by educating public opinion, undertaking particular problems, and bringing out scientific workers in various fields for discussion and cooperative research. But the main function of the Academy should be towards cultural improvement by contributions to human knowledge.”

NASI got the mandate of Science and Society by its Founder. Presently, the programmes are being steered by **Prof. Balram Bhargava** (former Secretary to the GoI; and presently at AIIMS, New Delhi), **President of the Academy**. The Past Presidents, namely **Prof. P. N. Tandon**, **Prof (Mrs.) Manju Sharma**, **Prof Ashok Misra**, **Prof Asis Datta**, **Prof. J. P. Mittal**, **Dr. K. Kasturirangan**, **Prof. Akhilesh K. Tyagi**, **Prof. Anil Kakodkar**, **Prof. G. Padmanaban** and **Prof. Ajoy K. Ghatak** have been taking keen interest in the progress of Science and the Academy, in particular. The Academy was also nurtured especially by **Late Prof M. G. K. Menon**, **Prof M. S. Swaminathan**, **Prof A. K. Sharma**, **Dr V. P. Kamboj**, **Prof S. K. Joshi**, **Prof. U. S. Srivastava** and **Dr V. P. Sharma** - Past Presidents, NASI (it is not possible to mention the names of all the past presidents, here).

NASI envisions the cultivation and promotion of Science & Technology in all its branches. Such as: (1) publishing two quarterly journals (Proceedings of the National Academy of Sciences, India- Section A (Physical Sciences) and Section B (Biological Sciences) and one bi-monthly journal (National Academy Science Letters); (2) holding an Annual Session in a scientific and academic institution every year; (3) organizing symposia, seminars and workshops on subjects of current national and scientific interest; (4) planning and executing science communication programmes like Science Extension Lectures, State level Science Contests (Quiz, Debate, Oration, Exhibition, Essay, etc), Talent Search, Teachers' Workshops, Summer/Winter Schools, Vocational Training Programmes, National level Scientific Creative Writing Contest, Celebration of National Technology Day, National Science Day, National Mathematics Day and World Environment Day, etc.; (5) recognizing the significant contributions of scientists at every level by honoring them with Fellowship/Membership/Awards such as Lecture Awards, NASI-Reliance Awards, NASI-SCOPUS Awards, NASI-Young Scientist Awards etc.(continued till 2022); (6) instituting prestigious Research Fellowships/Chairs/Senior-Scientist Fellowships etc. to honor distinguished scientists; (7) organizing sensitization programmes for women researchers/scientists all across the country; (8) conducting the 'Safe water' project; (9) organizing/conducting other projects and schemes, such as Nutrition Programme for eradicating malnutrition, Science Awareness Programme for adopting COVID Appropriate Behaviour, Entrepreneurship Development Programmes and a joint programmes of NASI, ICAR and ICMR; (10) establishing River Galleries; and (11) organizing Rural/Tribal Welfare Programmes.

Besides the above mentioned activities, the Academy also organizes several other activities jointly with other two National Science Academies- INSA and IASc- all through the year. Since the year 2000, the annual sessions have been held at places such as Allahabad, Pune, Shillong, Ahmedabad, Jaipur, Pondicherry, Mumbai, Mysore, Chandigarh, Kolkata, Jaipur, Trivandrum, Varanasi, Goa, Jodhpur, Bhubaneswar, Dehradun, Pune, Chitrakoot, Hyderabad and Prayagraj. These annual sessions provide a platform for the scientists across the country

to interact, present their papers and exchange expertise with each other. The Academy is also maintaining a well-organized library; and it has 22 Chapters all across the country to organize scientific activities in and around their respective regions.

Symposium on 'India Secure @75' – A Prologue: For an all-round progress of a nation, we need to be able to project our national power beyond borders through our foreign policy, our cultural ambassadors, sportspersons, Indian diaspora and science academies. As India has completed 75 years of Independence, we need to look at how secure we are as a nation. Today, we are the sixth largest economy with a GDP of \$3.17 trillion in 2021 and are expected to become the 5th largest economy by the end of 2022. But when compared to the United States, with a GDP of \$23 trillion or China with around \$18 trillion economy, we can see that the country has to travel far before becoming competitive with the superpowers. It is time we start working at the challenges we face, the opportunities, the internal dynamics at play and how the world views us!! With a country as diverse as ours, we need to discuss every challenge and have a workable solution. As our ancestors have shown, out of every *Manthan* some *Amrit* always comes out. We have a proud legacy of universally accepted *sanskritized* cultural heritage, which is more than 1000 years old; and depicted systematically in many scriptures/treasure books known world-wide. The *vaedic* culture, the glorious achievements of our scientists of 17th - 19th century e.g. Aryabhata, Shushrut, Ramanujan, Meghnad Saha, P C Ray, J C Bose, S N Bose, C V Raman, and many; and the recent advancements of Indian Science, not only give us a sense of accomplishment but also inspiration to achieve more.

The victory of Bharatiya Vaccines to eradicate CORONA & Plague; the mission mode success of the missile & rocket programmes; successful launch of Chandrayaan-III, and Suryaan also just after that; the Nuclear energy emission plans and renewable energy generation, etc. are some of the great achievements and a leap forward, especially in the areas of transformational science. The Telecom, Artificial Intelligence, Information Technology, Biotechnological advancements especially its applications in the field of medicine, agriculture, food security, etc. are the recent path breaking milestones achieved by the scientific community of our motherland. Therefore, when we are celebrating 'Azadi ka Amrut Mahotsav' with the motto of becoming *Atma Nirbhar*, it is high time to assess & evaluate our caliber in terms of pursuing our goal towards becoming 'Self-Reliant' during the *Amrit Kaal* (till 2047), as prophesied by the Hon'ble Prime Minister of India.

Therefore, let us introspect to extrapolate our targeted goals & achievements in terms of a developed country by 2047. Accordingly, under the leadership of Prof. Balram Bhargava, President, NASI, and with valuable inputs from other senior fellows, as Prof. Manju Sharma, Prof. Ashok Misra, Prof. Akhilesh K. Tyagi, Prof. Anil Kakodkar, Prof. J P Mittal, Prof. Ajoy Ghatak, Prof. Jayesh R Bellare and others, a scientifically synthesized programme has been developed by Prof. S M Yusuf (Convener) to delve on several contextual issues in different fields of science & technology.

Before delving into those domains, it is good to remember that the security of a nation essentially translates into the freedom to pursue the nation's aspirations and to neutralize and ward off any obstacle in the way of achieving them. The obstacles which come in the way are referred to in security terms as threats. Two very basic needs to keep any nation secure in the modern world remain a resilient economy and energy security, both bottom line needs. And our experience show that these could be achieved only when there is a concerted/coordinated effort to harmoniously utilizing our resources; and to create an ecosystem of transformational technologies to attain the best possible results. For this, special emphasis will be given to discuss & deliberate on the issues, as -

- a) Agriculture & Food Security@75
- b) Drug-Pharmacy & Bio-applications for Security@75
- c) Forest, Climate & Environmental Security@75
- d) Energy Security@75
- e) Electronics & Cyber Security@75
- f) Space Security @75
- g) Medical & Health Security@75

Contact Nos. at NASI: 0532-2640224; 2441243;
Email: nasi.allahabad1@gmail.com; nasi.barc2023@gmail.com
Website: <http://www.nasi2023.in>; www.nasi.org.in



A panoramic view of the Ganga-gallery at NASI



DAE Convention Centre at BARC, Mumbai



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



The National Academy of Sciences, India

5, Lajpatrai Road, Prayagraj-211002, India



Summary of the Activities, held in the month of November 2023

The National Academy of Sciences, India (NASI), Prayagraj is the first Science Academy of India, established with a mandate- 'Science & Society'. Therefore, right from its inception in 1930, the Academy is striving hard to promote & popularize science & technology, all across the country (through its 22 Chapters now); its Fellows & Members organized/organizing several activities to disseminate scientific know-how and cultivate scientific temperament among the students and general mass.

1. NASI has the two tier structure, i.e. it elects Fellows/Foreign Fellows to recognize the outstanding contributions of the established scientists, on the other hand it also selects bright scientists as Members to enthuse the good work done by them in the realm of Science & Technology; the names of the elected Fellows & Foreign Fellows have also been announced. All the Fellows & Members have been invited to attend the **93rd Annual Session of the National Academy of Sciences, India** and **Symposium on 'India Secure @75'** to be held during **December 3-5, 2023** at DAE Convention Centre, Bhabha Atomic Research Centre (BARC), Mumbai. A brief note about the Symposium and a tentative programme of the 93rd A. Session is attached herewith. It is expected that about 500-600 students/scientists/teachers and so, will participate in the programme. Other highlights are-
Visit of the Laboratories/Reactors at BARC
School students Meet
Poster Presentations by the budding scientists
Display of BARC/NASI facilities/activities
Council/Fellows/AGM
NASI-Chapter's Activities display, etc.

The NASI is grateful to the DST, GoI for its kind support.

2. The Academy (NASI) participated in an International Conference organised by the Physics Department, University of Allahabad at Prayagraj to celebrate the 100th year of foundation of the said department by Prof. Meghnad Saha; Prof. Ajoy K. Ghatak, Immediate Past President, NASI, expressing tributes to Prof. Saha, remembered his manifold contributions to the Science in general, and the Academy, in particular.
3. The Academy also actively organized the meetings of **Inter Academy Panel for Women in Science**; a **SWATI Portal** (to be activated soon), has been created for easy access of information/data regarding the Women in Science, on a multidimensional web-portal.
4. The **Publications of the Academy** are also regular; and achieving the desired milestones with good impact factor; most of the Chapters are also organizing the activities regularly.
5. The Parliamentary Committee (for *Hindi/Rajbhasha*) visit is due on Nov. 28, 2023.



'India Secure @75'
93rd Annual Session of National Academy of Sciences (NASI)
An endeavour to celebrate and support 'Atma Nirbhar Bharat'



being jointly organized by
The National Academy of Sciences, India (NASI)
&
Bhabha Atomic Research Centre (BARC)
on 3-5 December, 2023
at
DAE Convention Centre, Anushaktinagar, Mumbai
[Tentative Programme](#)

Day 1: December 3, 2023

Inaugural Session (9:30 am - 11:00 am) to begin with the Lighting of Lamp

Welcome (5 min)	Dr. S. M. Yusuf, Convener, 93rd A. S. NASI Director, Physics Group, Bhabha Atomic Research Centre, Trombay smyusuf1@yahoo.com
About NASI (10 min)	Prof. Manju Sharma Past President, NASI; Former Secretary to the Govt. of India, New Delhi manjuvps@gmail.com
Genesis of Symposium (5 min)	Prof. Jayesh R. Bellare General Secretary (OS), NASI; Department of Chemical Engineering, IIT Mumbai jb@iitb.ac.in
Address by the Director, BARC (10 min)	Shri Vivek Bhasin Director, BARC, Mumbai director@barc.gov.in
Secretary, DoS,	Shri S. Somanath Chairman, ISRO
Address by the Secretary, DAE (15 min)	Dr. Ajit Kumar Mohanty Secretary, Department of Atomic Energy; Chairman, AEC, Govt. of India chairman@dae.gov.in ;
Inaugural Address by the Chief Guest (20 min)	Dr. R. Chidambaram Chairman, School for Advanced Studies in Nuclear Science & Technology, BARC; Former PSA to Govt. of India & Former Chairman, AEC rc@barc.gov.in
Presidential Address (10 min)	Prof. Balram Bhargava President, NASI; Former Secretary to the Govt. of India; Chief Cardiothoracic Centre, AIIMS, New Delhi balrambhargava@yahoo.com
(5 min)	Felicitation of the Dignitaries on the dais
Vote of thanks (02 min)	Dr. Niraj Kumar Executive Secretary, NASI nasi.allahabad1@gmail.com

National Anthem; and Tea Break (11:00 - 11:30 am)

Session 1: Agriculture & Food Security@75 (11:30 am-12:30 pm)

Chairman	Prof. Manju Sharma Former Secretary, DBT, Govt. of India manjuvps@gmail.com
Co-Chair	Prof. Akhilesh K. Tyagi Dept. of Plant Molecular Biology, University of Delhi, South Campus; Former Director, NIPGR, New Delhi; Past President, NASI akhilesh@genomeindia.org
Speaker -1 (20 min)	Dr. T Mohapatra Former DG, ICAR; Secretary, DARE, Govt. of India, New Delhi chairperson-ppvfra@nic.in Title:
Speaker-2 (20 min)	Dr. Ashish Srivastava Nuclear Agriculture & Biotech Division, BARC, Mumbai Title:
Speaker-3 (20 min)	Dr. Himanshu Pathak Secretary, Department of Agriculture Research and Education (DARE); Director General, ICAR, Govt. of India dg.icar@nic.in Title:

Session 2: Drug-Pharmacy & Bio-applications for Security@75 (12:30-1:30 pm)

Chairman	Prof. V. M. Katoch Former DG. ICMR & Secretary to the Govt. of India, New Delhi vishwamohan_katoch@yahoo.co.in
Co-Chair	Dr. Madhu Dixit Former Director, CDRI, Lucknow madhudikshit@yahoo.com
Speaker -1 (20 min)	Dr. Jitendra N. Verma Founder & Managing Director, Lifecare Innovations Pvt. Ltd., Gurgaon, Haryana drjnverma@lifecareinnovations.com Title: Bharat offers to the World the only drug to treat MDR Candida auris - Liposomal Amphotericin B in Saline Suspension
Speaker-2 (20 min)	Dr Ajit Kumar Shasany Director, CSIR-National Botanical Research Institute, Lucknow akshasany@gmail.com ; director@nbri.res.in Title:
Speaker-3 (20 min)	Dr T Rajamannar Executive Vice President & Advisor to MD Head, High Impact Innovations - Sustainable Health Solutions (HISHS) Sun Pharmaceutical Industries Ltd. rajamannarthennati@yahoo.com Title: Discovery of A Novel, Long Acting GLP-1 Receptor Agonist - GL0034

Lunch Break & Poster Visit (1:30 - 2:30 pm)

(VISIT TO BARC LABS: For Council Members & Distinguished Guests only)

Session 3: Forest, Climate & Environmental Security@75 (2:30 - 3:30 pm)

Chairman	Dr. Subhra Chakraborty Director, NIPGR, New Delhi schakraborty@nipgr.ac.in
Co-Chair	Dr. Suchitra Banerjee Former Chief Scientist, CIMAP, Lucknow suchitrabanerjee14@gmail.com
Speaker -1 (15 min)	Dr. Rakesh Kadaverugu Principal Scientist, CSIR- NEERI, Nagpur, Maharashtra, India r_kadaverugu@neeri.res.in Title:

Speaker-2 (15 min)	Dr. Rajendra Dobhal Vice Chancellor, Swami Rama Himalayan University (SRHU), Jolly Grant Swami Ram Nagar, Dehradun, Uttarakhand drrdobhal@gmail.com <u>Title:</u>
Speaker-3 (15 min)	Dr. S. Suresh Babu Head & Scientist, SG Aerosols Trace gases and Radiative Forcing (ATRF) Branch, Space Physics Laboratory, Vikram Sarabhai Space Centre (ISRO) Thiruvananthapuram s_sureshbabu@vssc.gov.in <u>Title:</u>
Speaker-4 (15 min)	Prof. T.G. Sitharam Chairman, AICTE; Former Director, IIT, Guwahati tgs@iitg.ac.in <u>Title:</u> Water Scarcity to Security: Technology, Innovation, and Ideas

Tea Break (3:30 - 4:00 pm)

Session 4: Energy Security@75 (4.00 - 5:00 pm)

Chairman	Shri K. N. Vyas Former Chairman, AEC & Secretary DAE, Govt. of India
Co-Chair	Dr. Pratibha Jolly Former Principal, Miranda House, Delhi University New Delhi pratibha.jolly@icloud.com <u>Title:</u>
Speaker -1 (20 min)	Dr. Anil Kakodkar Former Secretary, DAE; Past President, NASI kakodkaranil@gmail.com <u>Title:</u> Role of Nuclear energy in India's clean energy future
Speaker-2 (20 min)	Dr. S. S. V. Ramakumar Director, R&D, Indian Oil Corporation Ltd., Faridabad ramakumarssv@gmail.com <u>Title:</u>
Speaker-3 (20 min)	To be confirmed

Tea Break

- +** Council Meeting: 5:30-6:30 pm
- +** Fellows' Meeting: 6:30-7:30 pm
- +** AGM: 7:30-8:00 pm

Dinner

Day 2: December 4, 2023

Session-5: Electronics & Cyber Security@75 (9:30 - 10:30 am)

Chairman	Prof. Ajoy K. Ghatak Past President, NASI & Formerly at Indian Institute of Technology Delhi; Hauz Khas, New Delhi ajoyghatak5@gmail.com
Co-Chair	Prof. Rudra Pratap Vice Chancellor, Plaksha University, Mohali, Punjab; Former Deputy Director of Indian Institute of Science, Bangalore pratap@iisc.ac.in
Speaker -1 (15 min)	Prof. Ranjan Bose Director, IIIT Delhi, New Delhi bose@iiitd.ac.in <u>Title:</u> E-securing the Future
Speaker -2 (15 min)	Prof. Anurag Sharma IIT Delhi, New Delhi Anurag.Sharma@physics.iitd.ac.in <u>Title:</u>

Speaker-3 (15 min)	Dr. Manindra Agrawal Professor, IIT Kanpur manindra@iitk.ac.in Title: Cybersecurity of Critical Infrastructures
Speaker-4 (15 min)	Prof. Shyam Sundar IIT Bombay, Mumbai rkss@cse.iitb.ac.in , shyam@acm.org , shyamasundar@gmail.com Title:

Session-6: Space Security @75 (10:30 - 11:30 am)

Chairman	Dr. K Kasturirangan Former Chairman, ISRO krangank@gmail.com
Co-Chair	Dr. Anil Bhardwaj Director, PRL, Ahmedabad director@prl.res.in ; abhardwaj@prl@res.in
Speaker-1 (20 min)	Dr. K Radhakrishnan Former Chairman, ISRO radhokr272@gmail.com Title:
Speaker -2 (20 min)	Dr. Tessa Thomas Director General of Aeronautical Systems; Former Project Director for Agni-IV missile DRDO dgaero.hqr@gov.in Title:
Speaker-3 (20 min)	Dr. A.S. Kiran Kumar Former Chairman, ISRO Kiran_seelin@yahoo.co.in Title:

Tea Break (11:30 am - 12:00 noon)

Panel/Session-7: Medical & Health Security@75 (12:00 - 1:30 pm)

Chairman	Prof. Pramod Garg Professor, Department of Gastroenterology, AIIMS, New Delhi pgarg10@gmail.com
Co-Chair	Prof. Vijayalakshmi Ravindranath Founding Director, National Brain Research Centre, Gurgaon; Professor at the Centre for Neuroscience IISc, Bangalore viji.ravindranath@gmail.com
Speaker-1 (15 min)	Dr. Rajendra A Badwe TMC, Mumbai badwera@tmc.gov.in Title:
Speaker-2 (15 min)	Prof. Nikhil Tandon Head, Department of Endocrinology & Metabolism AIIMS, New Delhi nikhil_tandon@hotmail.com Title: Digital Transformation for Health Security @75.
Speaker-3 (15 min)	Prof. Bina Ravi Chief of Breast Integrated Care Center, AIIMS, Rishikesh binaravi@gmail.com Title:
Speaker-4 (15 min)	Dr. Prabhdeep Kaur Senior Scientist (F) and Public health faculty at ICMR-National Institute Of Epidemiology, Chennai, Tamil Nadu kprabhdeep@nieicmr.org.in Title: Saving Lives from Heart Attacks for Healthy and Secure India - Lessons from Hypertension Management in Primary Care at Scale

Speaker-5 (15 min)	Dr. Padma Priya C/o Venkataramana Hospital, 16-2-256, Poga Thota, Nellore - 524001 niidrpages@gmail.com Title:
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Lunch Break: 1:30 - 2:30 pm

NASI-Foundation Day Lecture (2:30 - 4:00 pm)

Chair: Prof. Balram Bhargava, President, NASI
Co-Chair: Prof. Ashok Misra, Past President, NASI

- **Speaker: Dr. R. Ravi Kannan**
Director of the Cachar Cancer Hospital and Research Centre (CCHRC),
Meherpur, Birbal Bazar, Silchar, Assam
admin@cacharcancerhospital.org
Title:

Special Addresses:

- **Shri Adil Zainulbhai**
Chairman, Capacity Building Commission (CBC) of India, New Delhi
Title:
- **Prof. Arun K. Grover**
Former Vice chancellor, Panjab University, Chandigarh
Title: *A reflection back on Meghnad Saha at the conclusion of Aazadi Ka Amrut Mahotsava*

Felicitation & Thanks by Prof. Jayesh R. Bellare, GS (OS), NASI

Tea & Poster Visit for all

(VISIT TO BARC LABS: For Council Members & Distinguished Guests only)

**Cultural Programme- A dulcet evening with Padma Vibhusan
Pandit Hari Prasad Chaurasia: 6:00 pm; followed by Dinner**

Day 3: December 5, 2023

✚ Addresses by the Sectional Presidents (Physical & Biological Sciences- 9:30-10:30 am)

✚ Prof. Jitendra Kr. Bera, Department of Chemistry, IIT, Kanpur; jbera@iitk.ac.in
- Sectional President (Physical Sciences)

✚ Dr. G. Taru Sharma, Director, NIAB, Hyderabad; gts553@gmail.com
- Sectional President (Biological Sciences)

✚ Addresses by the Invited Speakers of the Scientific Sessions (10:30 am -12:00 noon)

Physical Sciences

✚ **Dr. Bedangadas Mohanty**
Professor, School of Physical Sciences
NISER, Bhubaneswar, District: Khurda, Odisha
bedanga@niser.ac.in, bedanga@gmail.com
Title: "Quark Gluon Plasma: the perfect and most vortical fluid"

✚ **Prof. Nibir Mandal**
Department of Geological Sciences, Jadavpur University, Kolkata
nibirmandal@yahoo.co.in
Title:

Biological Sciences

- + Dr. Chandrakant Lahariya
Executive Director, Foundation for People-centric Health Systems, New Delhi
c.lahariya@gmail.com
Title: One Health: Making evidence traverse the labyrinthine journey of policy making.
- + Dr. Rahul Purwar
Associate Professor, IIT Mumbai
rahul.purwar@immunoact.com; Purwarrahul@iib.ac.in
Title:

Tea Break (12:00-12:30 pm)

Parallel Activities (12:30 - 1:30 pm)

**Posters Evaluation (12:30 -1:30 pm) by the Sectional Presidents & their team
&**

Summing-up (with focus on Atma-Nirbharar Bharat) (12:30 - 1:30 pm)

Chairman	Prof. Balram Bhargava, President, NASI
Co-Chairman	Prof. A. K. Singh, Chairman, NASI-Mumbai Chapter retinal@chem.iitb.ac.in
Speaker -1	Dr. V. K. Paul Member, NITI Ayog; Professor, AIIMS, New Delhi
Speaker-2	Dr. R. Chidambaram, Former Chairman, AEC - Chief Guest
Remarks by the Chairs and Co-Chairs of the Scientific Sessions	
Concluding Remarks by the Past Presidents, NASI Prof. Ashok Misra Prof. Manju Sharma Prof. J.P.Mittal Prof. Ajoy Ghatak Prof. Akhilesh K. Tyagi	
Vote of thanks	

Lunch Break: (1:30-2:30 pm)

Valedictory & Award Presentation (2:30 - 3:30 pm)

- + To be presided over by the President, NASI (Prof. Balram Bhargava)
- + Remarks by the Sectional Presidents
- + Remarks by the Convener: Dr. S. M. Yusuf, Convener, Director, Physics Group, Bhabha Atomic Research Centre, Trombay
- + Presentation of the Awards/Prizes (by the Past Presidents) to:
 - NASI-Reliance Awardees
 - Best Poster Awardees
- + Vote of Thanks by Dr. P. A. Hassan, Secretary, NASI-Mumbai Chapter

High Tea