

# The National Academy of Sciences, India

5, Lajpatrai Road, Prayagraj-211002, India



## Summary of the Activities, held in the month of July 2023

1. An awareness campaign “**Angdaan Mahotsav**” was organized as per direction of the ‘**National Organ and Tissue Transplant Organization (NOTTO)**’ under the Department of Health and Family Welfare and the Ministry of Health and Family Welfare, Govt. of India, after receiving the letter from the esteemed **DST, GoI**. The schools & colleges were informed and enthused to participate in the awareness campaign for such pious cause. The local medical doctors of the national repute were requested to help in dissemination of the message; and also to deliver popular medical lectures on the concluding day on Aug. 3, 2023 (please see the pamphlet – **Annex.1**)
2. 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, and associated Fellows & Members. It acts as a ‘Think Tank’, especially on the issues related to the societal problems, where solutions could be provided through the scientific endeavors. Till date (since 1930) thousands of such programmes have been organized; and hundreds of publications (on societal issues) are in store as a treasure. Therefore, following the mandate further, the NASI-Chapters were enthused to identify the regional problems where the scientific interventions could be effective in providing solutions. About **three dozen programmes have been chalked out by the Chapters**, for which a ‘Science-Society Committee Meeting’ has been planned on 29<sup>th</sup> July, in which the pros & cons of all the programmes will be thoroughly and scientifically analysed for implementation, all across the country through the local/regional Chapters of the Academy (please see the thematic note & the notice issued – **Annex. 2**).
3. The National Academy of Sciences, India (NASI), Prayagraj, and Bhabha Atomic Research Centre (BARC), Mumbai, are jointly organising a historic moment to celebrate the 93rd Annual Session of the NASI and **Azadi ka Amrit Mahotsav** (Atma Nirbhar Bharat) with a special focus on **'India Secure@75'**, on 3-5 December, 2023 at BARC, Mumbai (the invite for the proposed event is given in **Annex. 3**). It has been sent to the universities/institutes and various departments, including the esteemed DST, GoI.
4. The Academy also actively organized the meetings of **Inter Academy Panel for Women in Science**; a brief report (to be finalized after the Council Meeting in August) on SWATI Portal to be activated soon, is enclosed as **Annex. 4**.
5. The **Publications of the Academy** are also regular; and achieving the desired milestones with good impact factor (please see a brief report for the month of July, as **Annex. 5**).

The Chapters of the Academy organized their activities/meetings during July; and the NASI-Secretariat prepared the huge data base for the meetings of the Membership & Fellowship Scrutiny Committees, Finance Committee and the Council, to be held in next month.



वसुधैव कुटुम्बकम्  
ONE EARTH • ONE FAMILY • ONE FUTURE



Annex. 1

## “ANGDAAN MAHOTSAV”

Dedicated to ‘Azadi Ka Amrut Mahotsav’

“Awareness-cum-Appeal” on the occasion of

‘Indian Organ Donation Day’

3<sup>rd</sup> August, 2023

Time: 11.00 a.m.

at

‘The National Academy of Sciences, India’  
5-Lajpatrai Road, Prayagraj

**Prelude:** This year it has been decided to run an awareness campaign by the name of “**Angdaan Mahotsav**” in line with the **Azaadi ka Amrut Mahotsav** to celebrate and commemorate **75 years of independence of India**. As part of the campaign, **3<sup>rd</sup> August, 2023** will be celebrated as the ‘**Indian Organ Donation Day**’ to commemorate the first deceased donor organ transplant, which was also the first Heart transplant done in the country, after promulgation of “The Transplantation of Human Organs Act” on 8<sup>th</sup> July, 1994. The Month of July 2023 (1<sup>st</sup>-31<sup>st</sup> July) is being organized as the Organ Donation month wherein many awareness activities have been planned by the Govt. of India.



## The National Academy of Sciences, India (NASI)

### Science-Society Programmes

**Presently**, the following activities for the dissemination of scientific knowledge and cultivation of scientific temperament among the students and the general mass, are being organized since more than two decades, giving rise to an elaborate structure for the ‘Science & Society Programmes’ of the NASI -

- 1- Popular Science Lectures by eminent scientists, industrialists and technologists

*These lectures are delivered on power point by the eminent scientists (NASI Fellows/Members) on current scientific-societal issues to make the students/general mass aware about the burning topics; as well as to inspire them to draw their attention towards finding the solutions to the existing problems by proper scientific intervention.*

- 2- Scientific Programmes/Workshops/Symposia/Seminars on different aspects of science & society, or any other related subject.

*These activities are organized to deliberate in detail on different aspects/issues related to science & scientific phenomenon. A well planned activity is chalked out by the members of the Chapter/region/institution, as per priority areas of their region, and problems associated with them. Then 2-3 days activities are organized, in the end of which recommendations are finalized to suggest the means to cope up with the existing challenges.*

- 3- Sensitization workshops especially in rural areas.

*These are unique activities of NASI (often called as ‘Rural Chaupals’), focusing on the rural mass awakening on socio-scientific issues, such as personal health & hygiene; safe water problem; sanitation; malnutrition, especially among the children and women; and several other issues.*

- 4- Programmes for women scientists.

*The Academy organized more than 35 workshops on Technological Empowerment of Women in different parts of the country during the last 8-10 years. A Mega Event was also organized under the leadership of Prof. Manju Sharma, on March 8-9, 2018 at Vigyan Bhawan, New Delhi, with Dr Harsh Vardhan, Hon’ble Minister for Science & Technology, Govt. of India, as the Chief Guest and about 1000*

women scientists as participants; the 'Proceedings of the Mega-event including significant recommendations' has also been published and sent to all concerned. These sensitization programmes are very popular and fruitful, giving boost to the zeal of women scientists to work and inspire the young women scientists.

## 5- Training for the Entrepreneurship Development

**The following activities are organized under this head -**

- *Training programs for entrepreneurs - To inculcate the spirit of entrepreneurship in the youth and in line with the National Mission Programmes of Skill Development and Start Up India, NASI organises several programmes; young, potential candidates interested in entrepreneurship are benefited from these programmes.*
- *Awareness and Training - on Nutrition, Safe drinking water, Health & hygiene etc. A mixed participation of rural and urban population is ensured. This was included in the spirit of "Swasth Bharat Mission".*
- *Safe drinking water and pollution abatement - especially for the rural areas and municipal workers; it was included in the spirit of "Swachh Bharat Mission".*

## 6- Programmes for students.

*The highlights of these activities are 'Children Science Meet', 'Summer & Winter Schools', 'Vocational Training Programmes', 'Teachers' Training Workshops', 'Scientific Writing Contest', 'Vigyan, Jal & Health Chaupals', 'Seminars' and celebration of the National Technology Day, the National Science Day, the National Mathematics Day and the World Environment Day etc. The Academy also encourages the teachers for out-of-the-class science activities by recognizing their talent and giving away NASI-Science Teacher's Awards to them.*

## 7- S&T Interventions for SC/ST Population Programmes

*The Academy (after receiving specific grant from the DST, GoI) constituted a Committee under the Chairmanship of Prof. Manju Sharma, Past President, NASI, to plan the activities under this scheme for the welfare of Schedule Tribe population through its HQ at Allahabad and also through its some of the Chapters spread in different regions of the country. The implementation was started in 2017-18 in different parts of India. About 22 centres have already started working on different thrust areas identified by the committee on the basis of first hand information collected by the Chapters. Several Awareness Camps with welfare motive to solve the problems of the tribals have been organized in last 3-4 years.*

**There are few other programmes also which are organized as per specific proposals received from the Fellowship/Chapters/Groups.**



National Academy of Sciences, Indi Allahabad <nasi.allahabad1@gmail.com>

---

## Re: Your kind cooperation to take up the responsibility of organising the 'Science-Society' programmes of NASI, specifically/systematically- A Request

---

NASI <nasi.allahabad1@gmail.com>

Fri, Jun 30, 2023 at 3:00 PM

To: Ashok Misra <ashokmisra47@gmail.com>, Kaustuv Sanyal <sanyal@jncasr.ac.in>, Kaustuv Sanyal <wwwsanyal@gmail.com>, Bhavdish Narain Johri <bhavdishnjohri@rediffmail.com>, "Dr. Shivesh P. Singh" <drshiveshsingh2004@yahoo.co.in>, RAVINDER KOHLI <rkkohli45@yahoo.com>, Ravinder Kohli <rkkohli45@gmail.com>, "Dr. R K Kohli" <rkkohli@pb.amity.edu>, Kkbhasin <kkbhasin@pu.ac.in>, kkbhasin1950@gmail.com, "h.s. Mani" <hsmeni@gmail.com>, asharma@iitd.ac.in, Anup Ghosh <anupkgosh@gmail.com>, akghosh@mse.iitd.ac.in, moham <moham@ccmb.res.in>, Professor HN Verma <vermaiko@yahoo.co.uk>, VC JNU <vc@jnujaipur.ac.in>, "Prof. N. K. Lohiya" <lohiyank@hotmail.com>, "Prof. Nirmal Kumar Lohiya" <lohiyank@gmail.com>, Ravinder Nath Gohil <rng04@rediffmail.com>, "Dr. Arvind Sinha" <arvind@nmlindia.org>, rksahu@nmlindia.org, drvijayan drvijayan <drvijayan@cusat.ac.in>, vijayan menon <evjmenon@gmail.com>, "Deepu Mathew, KAU" <deepu.mathew@kau.in>, "Dr. Soniya E V" <evsoniya@rgcb.res.in>, pkd@mech.iitkgp.ernet.in, Sudip Misra <sudip\_misra@yahoo.com>, sudipm@iitkgp.ac.in, "Prof. H.K. Majumder" <hkmajumder@iicb.res.in>, Hemanta Majumder <hemantamajumder@yahoo.co.in>, Chitra Mandal <chitra\_mandal@yahoo.com>, cmandal@iicb.res.in, "Prof. Pramod Tandon" <profptandon@gmail.com>, Suchitra Banerjee <suchitrabanerjee07@yahoo.com>, Suchitra Banerjee <suchitrabanerjee14@gmail.com>, Anil K Singh <retinal@chem.iitb.ac.in>, Dr PA Hassan <hassan@barc.gov.in>, nsg@iitk.ac.in, "NAMDEO S. Gajbhiye" <gajbhiyens@gmail.com>, saha275@yahoo.com, anupamchatterjee@nehu.ac.in, Anupam Chatterjee <chatterjeeanupam@hotmail.com>, SR Joshi <srjoshi2006@yahoo.co.in>, gcmishra <gcmishra@nccs.res.in>, Somak Raychaudhury <somak@iucaa.in>, Somak Raychaudhury <somak.iucaa@gmail.com>, aditya purohit <adityapurohit19@gmail.com>, Devi Prasad Uniyal <dpuniyal.ucost@gmail.com>, "Dr D.P. Uniyal" <uniyalp.ucost@gmail.com>, madhoo agrawal <madhoo.agrawal@gmail.com>, "Prof. D.S. Pandey" <dspbhu@bhu.ac.in>, Dayashankar Pandey <dsprewa@yahoo.com>  
Cc: Balram Bhargava <balrambhargava@yahoo.com>, "Prof. (Mrs.) Manju Sharma" <manjuvps@gmail.com>, madhoo agrawal <madhoo.agrawal@gmail.com>, "Prof. J.R. Bellare" <jb@iitb.ac.in>, UC Srivastava <ucsrivastava@rediffmail.com>  
Bcc: "Dr. Niraj Kumar" <aes.nasi@gmail.com>, "A. K. Srivastava" <aesacc.nasi@gmail.com>, Archana Pant <pantarchana.nasi@gmail.com>, Dr Santosh Shukla <santosh.nasi1@gmail.com>, ankit kumar trivedi <ankitkumartrivedinasi@gmail.com>

Dear Sir/Madam

**Sub: Science-Society Programmes (Thematic note attached as Annex. 1) organised by the NASI-Chapters as per mandate of the Academy.**

*Greetings!*

This is with kind reference to the trailing mail and above mentioned subject, in response to which several projects/proposals were received and discussed earlier in the Academy (please see **Annex. 2**).

**These proposals were further discussed/analysed and approved; and accordingly sanctions were communicated to the Chapters/P.Is. concerned.**

**As the timeline for all the sanctioned proposals came to an end a few months ago**, therefore, all the concerned Chapters/P.Is. are requested to kindly send a brief report about the completion of the programme on the proforma attached herewith (**Annex. 3**), latest by July 10, 2023.

Also please send fresh proposals on the proforma (**Annex. 4**), latest by 20th July 2023, so that it could be considered in a meeting of the Science-Society, to be held shortly.



Department of  
Science &  
Technology,  
Government of  
India



## **Cordial Invitation**

Jointly issued by

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



NASI



BARC

**TO GRACE THE**

**93<sup>RD</sup> 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**

**3<sup>RD</sup> – 5<sup>TH</sup> DECEMBER 2023**

*(Financial support of the DST, GoI is gratefully acknowledged)*

**Excerpts of the Minutes of the online Discussion Meeting on SWATI Portal held on July 14, 2023**

The meeting was held to review the timelines, launch event potential dates and budget for expansion of the SWATI portal.

The excerpts of the discussion/decision are:

- **Timeline schedule for the execution of SWATI:** Dr. Subhra Chakraborty, Director, NIPGR apprised the current status of the SWATI portal along with detailed Timelines for expansion. She displayed a timeline (month-wise) schedule prepared by NIPGR (**Appendix 1**). She also pointed out the possible role of Academies as well as NIPGR to run SWATI in institutionalized manner. Currently, out of 2100 WiS data cards, 1500 WiS incorporated are already interactive (searchable and machine-readable).
- **Ideas for wider STEM WiS data:** The members put forth their views for reaching out state level universities/institutions and suggested that a draft letter signed by the Chairperson, IAP is to be circulated to the IAP members for its wider publicity through the State Councils. The State level Councils, BIRAC, NITI Ayog, DST, DBT and NASI having a large WiS / women start-ups/ entrepreneur network may be approached to provide the data on WiS.
- **Formulation of an MoU between NIPGR and NASI:** The members opined that an MoU (on behalf of IAP) may be formulated between NASI and NIPGR for making SWATI more institutionalized; and suggested that NASI may have WiS Panel to be approved by the NASI Council. It was further discussed and agreed that Director, NIPGR or a Fellow, National Academies of India at NIPGR to be Ex-officio member of the IAP Steering Committee.
- **Launch of SWATI Portal:** The members shared their views regarding the launch of the SWATI portal. All members unanimously agreed to have a one-day conference followed by the launch of the portal at Vigyan Bhawan, New Delhi by the Honourable President of India on the occasion of the *International Day of Women and Girls in Science*, i.e. on February 11, 2024.

## Publication Details of NASI's Journals for July 2023

| <b>S.N.</b> | <b>Name of the Journal</b>                                                          | <b>Total No. of Issues</b>                                                                                                                                      | <b>No. of Articles</b> | <b>No. of Pages</b>       |
|-------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------|
| 1           | Proceedings of the National Academy of Sciences, India, Sec.A (Physical Sciences)   | one regular issue was published and one special issue on <b>*Advances in Memory Materials (by Prof. Neeraj Khare, IITDelhi)</b> is to be published in July 2023 | 18+11 <sup>*</sup> =29 | 208+101 <sup>*</sup> =309 |
| 2           | Proceedings of the National Academy of Sciences, India, Sec.B (Biological Sciences) | one                                                                                                                                                             | 25                     | 277                       |
| 3           | National Academy Science letters                                                    | one                                                                                                                                                             | 20                     | 90                        |