



The National Academy of Sciences, India (NASI)

5, Lajpatrai Road, Prayagraj-211002, India

Monthly Summary for the month of November 2021

- The National Academy of Sciences, India Mumbai Chapter in association with The Institute of Science, Mumbai organised a "Webinar on Spinal Cord Injury and Rehabilitation" on 15th November 2021, 4pm via Google meet (please see the copy of the programme – **Annex. 1**).
- Kerala Chapter of The National Academy of Sciences, India (NASI) organised a Webinar on World Fisheries Day on Sunday, 21 November 2021. Dr. K. Riji John, Hon. Vice Chancellor, KUFOS was the speaker on the occasion.
- NASI-Bhopal Chapter organised a two days awareness programme in Nov. 2021 on the importance and impact of herbal medicines (please see a news published about that - **Annex. 2**).
- The second meeting of the Inter-Academy Panel on *Women in STEMM* was held on November **09, 2021** on virtual mode. The members unanimously agreed upon preparing a comprehensive proposal for the national data base/website preparation. Also several other important decisions were taken (please see **Annex. 3**, for the details).
- The Academy also celebrated '**Azadi ka Amrut Mahotsav**' by organising several other scientific programmes through its Chapters.

Several other NASI Chapters also organized online scientific activities.



The National Academy of Sciences, India (Mumbai Chapter)



Awareness Program on Spinal Cord Injury and Rehabilitation

Webinar on
**‘Spinal Cord Injury (SCI) - a Devastating & Incurable
 Permanent Disability’**
 (Keynote Speaker: Dr (Ms.) Ketna L. Mehta, PhD)

This webinar will focus on how one gets a SCI, how to prevent it, and what steps are needed towards rehabilitation of SCI-sufferers.

Date: Monday, November 15, 2021

Time: 16:00-18:00 hrs

About the Keynote Speaker:

Dr. Ketna Mehta is a PhD on Spinal Cord Injury Rehabilitation and Management. She is an Author, a Professor, a Researcher, a Thought Leader on Disability Solutions, an Inspirational Speaker, a Management Curator, and a Recipient of the prestigious NCPEDP Shell Helen Keller Award. She served as Hon. Guest Editor (Dec 2019) for ‘Design for All’, with a theme: “Quality of Life of Living with Spinal Cord Injury in India- Rehabilitation Design Challenges and Solutions.” (www.designforall.in).

PROGRAM DETAILS	
16:00-16:10hrs	Introduction by Dr. J. V. Yakhmi
16:10-17:20hrs	Talk-cum-Discussion by Dr. Ketna Mehta
17:20-18:00hrs	Short talks (10 min. each) on physiotherapy and sports for SCI rehabilitation, by: (1) Ms. Sunita Sancheti; (2) Mr. Mohd. Sheikh (3) Mr. Oliver D’Souza; (4) Ms. Neenu Kewlani
18:00-18:05hrs	Vote of Thanks

ONLINE Host of the Program: The Homi Bhabha State University, Mumbai;
The Institute of Science (ISC) Mumbai & ISC Alumni Association

Click here to join: <https://meet.google.com/xpi-uath-hof>

All are Cordially Invited.

चित्रकूट स्टार

परंपरागत ज्ञान के संरक्षण के लिए दो दिवसीय प्रशिक्षण शुरू

विशेषज्ञों ने बताया जड़ी-बूटियों का महत्व



स्टार समाचार | चित्रकूट

पारंपरिक जड़ी बूटियों की यौगिक सूत्रीकरण के लिए जन्म घुट्टी का जल और लाटा का स्वयं सहायता समूह के माध्यम से उपरोक्त प्रौद्योगिकी का प्रसार विनिर्माण अभ्यास प्रसंस्करण भंडारण और विपणन का दो दिवसीय प्रशिक्षण का कृषि विज्ञान केंद्र मझगवां के सभागार में शुभारंभ किया गया। कार्यक्रम में आईसीएआर पुसा नई दिल्ली के प्रमुख डॉ. ओएन तिवारी मुख्य अतिथि की हैसियत से मौजूद रहे। राष्ट्रीय विज्ञान अकादमी के सचिव प्रो. शीवेश प्रताप सिंह, प्रो. रश्मि सिंह विभागाध्यक्ष प्राणी विज्ञान शासकीय महाविद्यालय सतना, डॉ. अखिलेश जांगरे वैज्ञानिक

कृषि विज्ञान केंद्र मझगवां एवं परियोजना प्रभारी डॉ. मनोज कुमार त्रिपाठी आरोग्यधाम विशिष्ट अतिथि के रूप में उपस्थित रहे। परियोजना प्रभारी डॉ. मनोज कुमार त्रिपाठी ने बताया कि परंपरागत खानपान की चीजें आज के दौर में समाप्त होती जा रही हैं, परंतु यह लाटाजन्म घुट्टी और काजल आज के परिवेश में बहुत अच्छे हैं। लाटा का उपयोग करने से हमारा शरीर निरोगी रहता है। इसके साथ ही शरीर में रोग प्रतिरोधक क्षमता विकसित होती है। पेट साफ रहता है, शरीर का विकास भी ठीक प्रकार से होता है। जिसका उपयोग बूढ़े, नौजवान एवं बच्चे भी कर सकते हैं, क्योंकि इसमें बहुत अधिक मात्रा में प्रोटीन, कार्बोहाइड्रेट विटामिन एवं मिनरल्स पाए जाते हैं।

रोगों से लड़ने की क्षमता बढ़ाता है

डॉ. त्रिपाठी ने बताया कि इसी प्रकार से जन्म घुट्टी का प्रयोग 6 माह तक के बच्चों में किया जाता है जो कि बच्चों में रोगों से लड़ने में सहायता करती है। पेट साफ रहता है, पाचन ठीक से होता है और शरीर भी मजबूत होता है। इसके साथ ही काजल भी जो आंखों में प्रयोग होता है वह भी देसी जड़ी बूटियों से बनाया जाता है, जो हमारी आंखों को रोग से बचाता है और आंखें भी सुंदर होती हैं।

स्थापित होंगी कई परियोजनाएं

मुख्य अतिथि डॉ. ओएन तिवारी ने बताया कि परंपरागत ज्ञान बहुत ही फायदेमंद है। हम लोग इसे बढ़ावा भी दे रहे हैं, जो कि कोरोना काल में भी महत्वपूर्ण साबित हुआ है। डॉ. तिवारी ने बताया कि ट्राइबल को रोजगार मिले इसके लिए हम प्रयास कर रहे हैं और इसका परिणाम आगामी 3 से 4 माह में मिल जाएगा। हम कई परियोजना यहां पर दीनदयाल शोध संस्थान के सहयोग से स्थापित करने जा रहे हैं। विशिष्ट अतिथि प्रो. शीवेश प्रताप सिंह ने बताया कि यह ज्ञान आपका अमूल्य धरोहर है जिसे हम सब मिलकर संरक्षित करके लोगों तक इसका लाभ पहुंचाना चाहते हैं। प्रो. रश्मि सिंह ने इस कार्य को वर्तमान समय की आवश्यकता बताया। उपरोक्त प्रशिक्षण में कृषि विज्ञान केंद्र के सभी वैज्ञानिक और लगभग 74 प्रशिक्षणार्थी स्वयं सहायता समूह सदस्य उपस्थित रहे।

Minutes of the meeting of Inter-Academy Panel held on Nov 09, 2021 (on WEB)

The second meeting of the Inter-Academy Panel on *Women in STEMM* was held on November **09, 2021** on virtual mode.

The following were present:

1. Prof. Manju Sharma, NASI Distinguished Woman Scientist Chair -In Chair
2. Prof. Shobhona Sharma, Chair of INSA 'Women in Science Panel' -Incumbent Chair
3. Prof. Rohini M Godbole, CHEP, IISc, Bangalore - Senior Member (In lieu of Past Chair)
4. Dr. Renu Swarup, Former Secretary, DBT, Govt. of India -Special Invitee
5. Dr. Subhra Chakraborty, Director, NIPGR, Delhi - Member
6. Prof. Somdatta Sinha, Adjunct Professor, IISER, Kolkata - Member
7. Prof. Madhoolika Agrawal, Dept. Of Botany, BHU - Member
8. Prof. Ramakrishna Ramaswamy, Department of Chemistry, IIT, Delhi - Member
9. Prof. Shobhana Narasimhan, JNCASR, Bangalore - Member
10. Dr. Smita Mahale, Former Director, ICMR-NIRRH, Mumbai - Member
11. Prof. Shubha Tole, Chair of Women in Science Panel of IASc - Member
12. Dr. Anindita Bhadra, Associate Professor, IISER, Kolkata - Member
13. Prof. Srubabati Goswami, PRL, Ahmedabad - Member
14. Dr. G Taru Sharma, Director, CAFTVP, IVRI, Izatnagar- Member
15. Prof. Sushmita Mitra, ISI, Kolkata - Member
16. Prof. Latha Rangan, IIT, Guwahati - Member
17. Prof. Hema Rajaram, BARC, Mumbai - DAE Nominee
18. Dr. Nivedita Gupta, Scientist 'F', ICMR -ICMR Nominee
19. Smt. Nigar Shaji, Scientist/ Engineer-G, URSC -ISRO Nominee
20. Ms Archana Pant, YWS, NASI -Member Secretary

Prof. Paramjit Khurana, Delhi University, South Campus (Member), Prof. Vijay Lakshmi Rabindranath, Director, CBR, IISc, Bangalore (Member), Dr. Madhu Dikshit, THSTI National Chair (Member), Prof. Sunil Mukhi, IISER, Pune (Member), Prof. LS Shashidhara, IISER, Pune (Member), Dr. Kiran Mazumdar Shaw, Biocon (Member), Dr. Shilpa Sharma, AIIMS, Delhi (Member), Dr. Namita Gupta (DST Nominee), Dr. Alka Sharma (DBT Nominee), Dr. Vibha Malhotra Sawhney (CSIR Nominee), could not join due to their prior commitments.

Ms. Archana Pant welcomed the members and thanked them for their participation.

The meeting commenced with the introductory remarks by the Chairperson. She also accorded a cordial welcome to all the members. Expressing her concern about malnutrition of Women and Children; and referring to the awareness programmes/webinars organised by NASI HQ/ local Chapters on 'Nutrition' as well as COVID related aspects, she told that the members may think about it and also proposed how they can contribute. She proposed to take up some major activities/ awareness programmes by the panel members/their respective institutions relevant to the present pandemic and prevailing conditions in the country.

Minutes of the first meeting were confirmed.

The recommendations of the first meeting were noted; and the follow up actions on the decisions made earlier were also mentioned. The Chairperson reported about the sanction/approval of a small amount by NASI for the preparation of the national website on WiS as part of panel's activities.

The members unanimously agreed upon preparing a comprehensive proposal for the national data base/website preparation.

The presentations were made by a few task force coordinators regarding the activities done/ proposed action plans.

Prof. Madhoolika Agarwal gave a Presentation on the awareness programme for Rural Women which was appreciated by members.

The document on Gender policy was presented by Dr. Shubha Tole and discussed in detail; the members were requested to send their comments to Ms. Archana Pant by 30th November. Thereafter, these will be compiled by Ms. Archana Pant and sent to Prof. Shubha Tole for incorporation in the document. The final Policy Document will be again discussed in the panel and then submitted to the Presidents of all the three Academies for their approval and implementation.

Dr. Rohini Godbole gave a presentation on the International activities and programmes relating to WiS. Dr. Shobhona Sharma was requested to discuss the matter with INSA officials and President INSA as they are responsible for International collaborations amongst the three Academies.

After a detailed discussion on several related aspects, the following decisions were taken for consideration/ implementation:

- Restructuring of the working group/ task force -2 (for compiling and regularly updating the national Women in Science Data base/ website and

making and maintaining a webpage) comprising Dr.RenuSwarup, as the Coordinator; and Dr.RohiniGodbole, Dr.ShubhaTole, Dr.SubhraChakraborty as the members.The Panel noted the work done by DBT as SWATI website for the data on Women Scientists.

- Document on ‘Gender Policy’ and ‘Retention of Women Scientists’ to be circulated among the members of the panel for seeking their suggestions/ comments by Nov 30, 2021 for collation by Ms ArchnaPant and finalising by Dr.ShubhaTole and Dr. Rohini Godbole.
- The presentation/ document submitted by Prof. MadhoolikaAgrawal, Coordinator of TF-1(Development of women in rural areas) after in cooperating the suggestions of this meeting, to be circulated to the Science Departments for financial support by the Chairperson.
- For International collaboration on WiS, Dr.Shobhona Sharma will take up the matter with INSA.

The meeting ended with the vote of thanks to the Chair, members and the special invitees.

The next meeting will be held around last week of January or February, 2022(in between if required, some members can meet along with the Chairperson or otherwise).