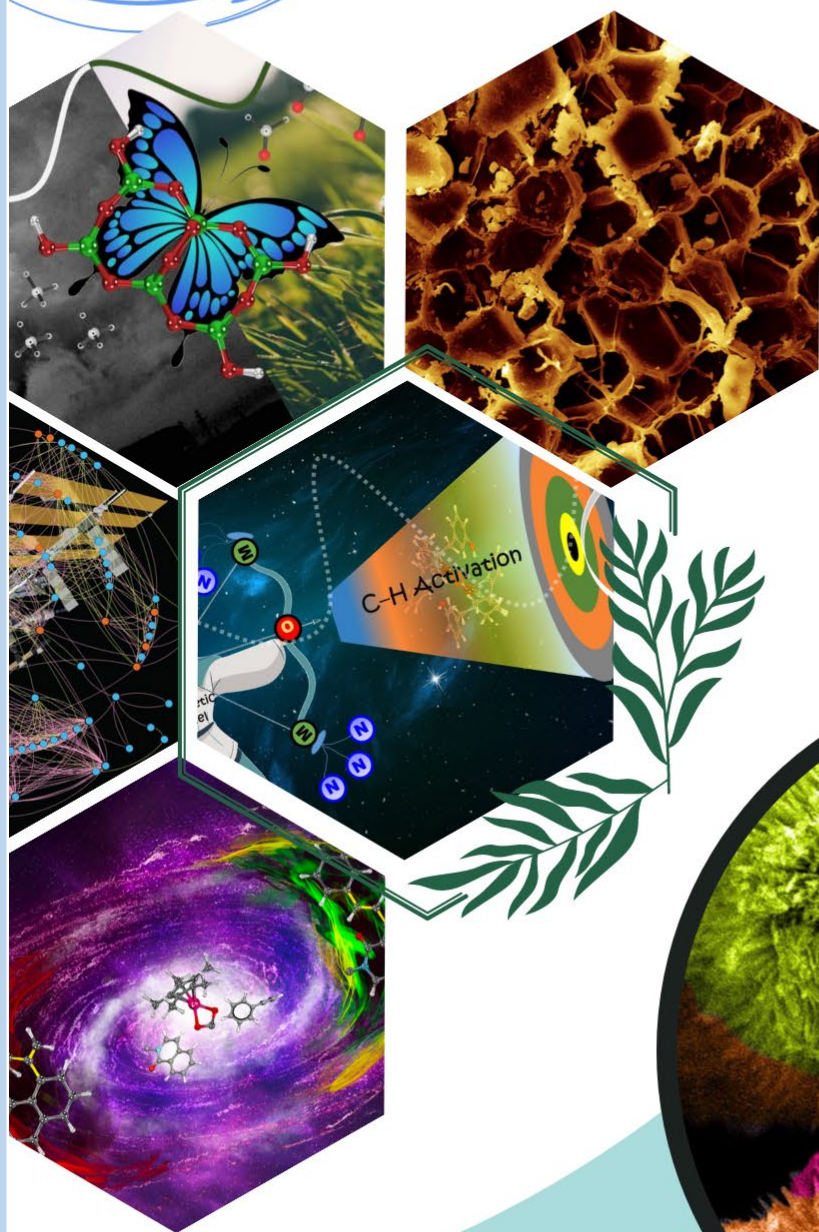


Annual 2022 Newsletter



INSA

Indian National Young Academy of Sciences
भारतीय राष्ट्रीय युवा विज्ञान अकादमी



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Message from the Chair



Dear fellows, friends and well-wishers of INYAS

Warm greetings from the Indian National Young Academy of Science (INYAS),

Indian National Young Academy of Science (INYAS) resonates itself with the changing demands and priorities of the world. INYAS expands across the nation accommodating a total of 100+ members and 45+ alumni members representing the regional, cultural and ideological diversities in the cluster. This diversification empowered INYAS to undertake science outreach activities, conferences, symposiums and public interactive sessions across the nation by breaking the lingual & ethnicity barriers. The newsletters & reports published by INYAS are translated into a few regional languages for better cognizance. The academy aims to maintain a healthy gender ratio to promote representation of women in science. Notably, the INYAS core committee team for the year 2022-23 had 55% representation of female members. In the 2023 membership drive a total of 18 out of 27 members are affiliated from institutes newly incorporated into INYAS. This provides a representative platform from varying disciplines across the country. INYAS members are leaving no stone unturned in attaining achievements and recognitions both nationally and globally through their research contributions in science. From being the part of various global discussions to featuring in publications and articles, awards definitely added feathers to the cap of INYAS.

The annual GBM was organized in Feb 2022 in online mode and the event was graced by the presence of Nobel laureate, PSA GoI, member NITI Aayog, INSA vice-president and secretary SERB-DST along with guest of honours and having public lectures, panel discussion, etc. After the advent of liberalization, industrialization and globalization, authorities worldwide recognised the importance of amalgamating science & society. INYAS establishes itself as the torch bearer of scientific propagation & elucidation. By actuating events such as RuSETUP (Rural Science Education Utility Programs), WiSDom - (Women in Scientific Domain), PRAYOJAN (Post-PhD: Research, Academia and Industry Opportunities, science Journalism, Grant Writing and Networking), KARYASHALA, SARANSH - Thesis Presentation Competition, Sci-Art Competitions and regional science camps. INYAS contributes its share in accelerating the United Nations SDGs in the scientific realm by emphasizing on Quality Education; Gender Equality; Industry, Innovation & Infrastructure; Reduced Inequalities; etc. To commemorate the International Year of Basic Science for Sustainable Development and 75 years of Azadi ka Amrit Mahotsava, INYAS in collaboration with BARC and IITD organized a three-days technical symposium on “Basic Science and Technology for Sustainable Development (BSSD-2022)” during 16-18 September 2022 at DAE Convention Centre, Anushaktinagar, Mumbai.

The index of national development depends upon the inclusivity of the women and marginalized section of society into the mainstream. INYAS contributes its share by administering women eccentric programs through lectures, activities and spreading awareness about career opportunities under flagship event of WiSDom. To acknowledge the research work undertaken by pioneering women, INYAS launched “We: The scientists” a compendium of “Women in INYAS”, fondly called as WINYAS! To establish homogeneity in socio-economic front, INYAS coordinates and promotes science outreach activities aiming at the rural areas of India through events like RuSETUP, Scientific visits, demonstration, lecture series and interactive sessions help students from pastoral India witness the 5 E’s of education - engage, explore, explain, elaborate and evaluate. Promotion of interdisciplinary & intergenerational collaboration through national & international networking by organizing seminars,

conferences and inviting guests to deliver subject specific discourse from the world platform. The National Frontiers of Sciences (NatFoS) series of brainstorming sessions was started in 2018 with support from the Office of the Principal Scientific Advisor (PSA) to the Govt. of India, in order to create a healthy dialogue between various disciplines of science. INyas has organized NatFoS 2022 as a three-day residential meeting at Parwanoo, HP from 13-15 March 2022. INyas is also participating with the PSA office for obtaining suggestions and inputs to formulate a policy document for an initiative on empowering young scientists.

INyas inspires, intends and indulges itself to work for contemporary national interests in the field of science and technology. In this era of intensive human resource utilization and skill oriented stipulation, INyas aims to promote industry-academia engagement in the field of education and work locally for establishing the ideology of 'Atma-Nirbhar Bharat.' INyas aspires to engage itself in inter-disciplinary and intergenerational scientific dialogues for moulding the young researchers in the field of interdisciplinary science. Introducing and focussing on skill development by organizing various workshops for research aspirants as well as outreach for rural area students to contribute back to our society. We aspire to contribute in nation building by following the 3 P's - Pioneering, Propagating and Promoting science. Also, one of the major objectives of INyas is to bring upon major issues and status of challenges faced by the young scientific force of the country and put forward their voice in the form of opinions and recommendations. In this direction, INyas floated three national surveys covering post-docs, school teachers and underutilized workforce,

Here, we feel happy to present our annual newsletter for more details of all INyas activities during the period from January 2022 to December 2022. I extend heartiest gratitude to all who have supported INyas activities. We are indeed beholden to INSA for the everlasting reinforcement and encouragement. I extend my sincere acknowledgement to the core-committee members, all INyas members, INyas office, and alumni for their valuable suggestions and significant contribution in the comprehensive planning, coordination and execution of the events undertaken so far. We are obliged to the honourable guests and distinguished resource persons for their valuable time and wisdom. We also thank the funding agencies for the fiscal support towards various events conducted by INyas.

I wish for a humongous affluence to INyas in the future endeavours.

Rajendra S. Dhaka
Chairperson, INyas
 Associate Professor, IIT Delhi

**Indian National Young Academy of Science (INyas), Indian National Science Academy (INSA),
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 <https://www.youtube.com/c/INYASYouTube>  www.facebook.com/INYAS-1662728413946122/ 
INyas_INSA

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INyas CORE COMMITTEE MEETINGS

INyas Core Committee (CC) meetings were held 16 times in year 2022.

Chronicle of Core Committee Meetings

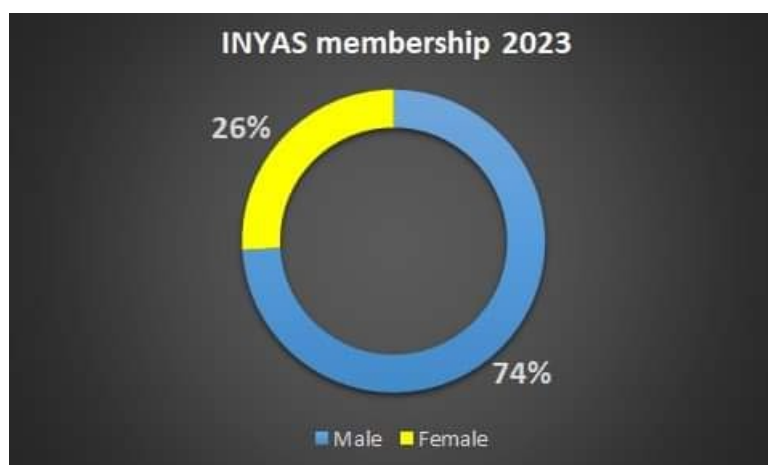
S. No.	Meetings	Date
1	CC Meeting	Jan 8, 2022
2	CC Meeting	Feb 02, 2022
3	CC Meeting	Feb 15, 2022
4	CC Meeting	Feb 20, 2022
5	CC Meeting	Mar 16-17, 2022 (In person, at INSA, Delhi)
6	CC Meeting	April 27, 2022
7	CC Meeting	May 14, 2022
8	CC Meeting	June 4, 2022
9	CC Meeting	June 27, 2022
10	CC Meeting	July 23, 2022
11	CC Meeting	August 31, 2022
12	CC Meeting	September 16, 2022
13	CC Meeting	October 14, 2022
14	CC Meeting	October 19, 2022
15	CC Meeting	November 8, 2022
16	CC Meeting	December 26-27, 2022



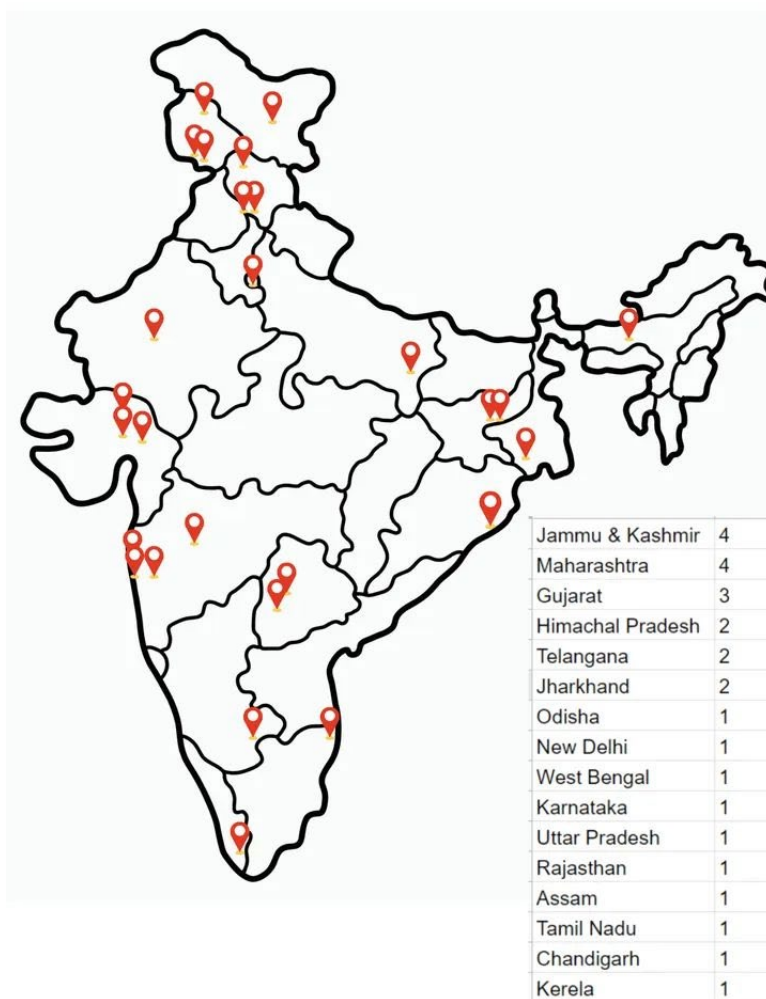
INyas NEW MEMBERS (2023-2027)

A total of 289 applications were received for New INyas Membership 2023 from different disciplines and organizations. Under the new initiative, to encourage young scientists to apply for the membership, promotional videos were released through the INyas YouTube channel and the link was circulated through different social media and the INyas webpage. Applications underwent scrutiny as per the INyas guidelines to select the new members. INyas is proud to admit 27 new members from 1st January 2023 for five years.

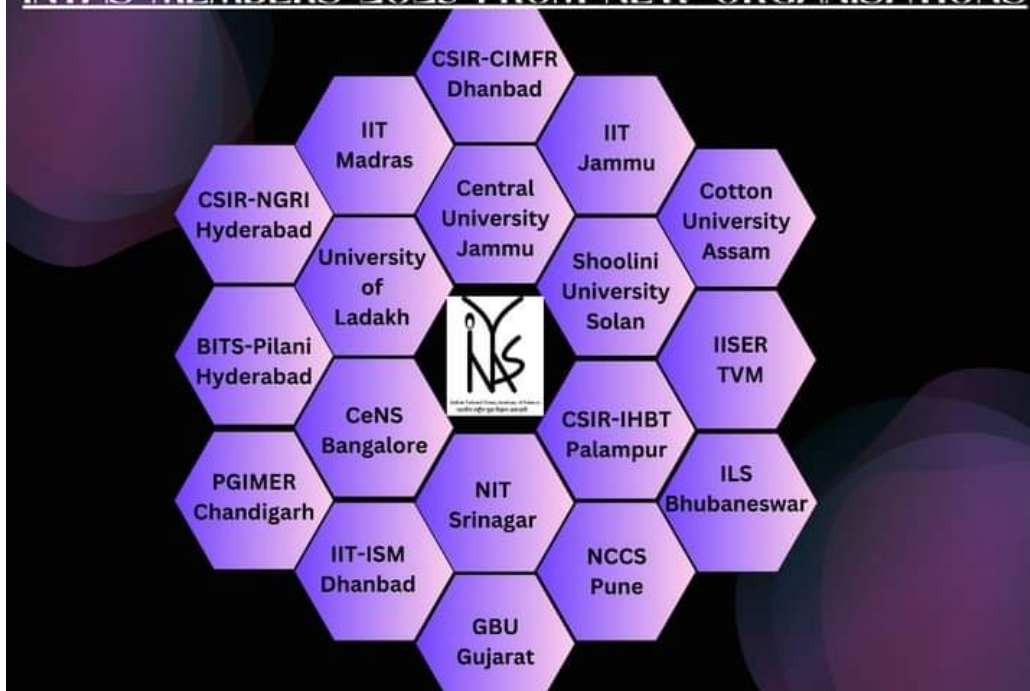
 Namisha Sharma ILS BBSR	 Santanu Mukherjee Shoolini University Solani	 Subhash Babu ICAR-IARI New Delhi	 Tarun Sharma GBU Gujarat	 Kirtimaan Syal BITS Pilani Hyderabad	 Avinash Sharma NCCS, Pune	 Budhaditya Mukherjee IIT Kharagpur	 Dhiraj Bhatia IIT Gandhinagar
 Vivek Dogra CSIR-IHBT	 Shobhna Kapoor IIT Bombay	 M.S. Santosh CSIR-CIMFR	 Indian National Young Academy of Sciences भारतीय राष्ट्रीय युवा विज्ञान अकादमी		 Shweta Yadav Central Univ. of Jammu	 Shib Sankar Ganguli CSIR-NGRI Hyderabad	 Vishal Mishra IIT BHU
 Ejaz Ahmad IIT (ISM) Dhanbad	 Ankur Gupta IIT Jodhpur	 Neeldhara Misra IIT Gandhinagar	Membership 2023		 Anuj Jakhar IIT Madras	 Rakesh Kumar Pilonia PGIMER, Chandigarh	 Mohit Tyagi BARC, Mumbai
 Neetu Jha ICT, Mumbai	 Vijay Kumar NIT Srinagar	 Vinayak Kamble IISER TVM	 H S S Ramakrishna Matte CeNS, Bengaluru	 Jayaramulu Kolleboyina IIT Jammu	 Mayuri Chabukdhara Cotton University	 Sharanjeet Dhawan Univ. of Ladakh	



INyas Membership 2023



INyas MEMBERS 2023 FROM NEW ORGANISATIONS



INITIATIVES

Several new initiatives were taken in year 2022 to expand the INYAS activities, develop a sustainable plan to tackle unforeseen situations like the COVID-19 pandemic, and continue to achieve the goal of INYAS. New strategies were laid down for the smooth running of INYAS activities online, seeing the current COVID-related circumstances. New activities were initiated in 2022 to widen the outreach activities virtually as well as offline. Some of the new initiatives in 2022 are:

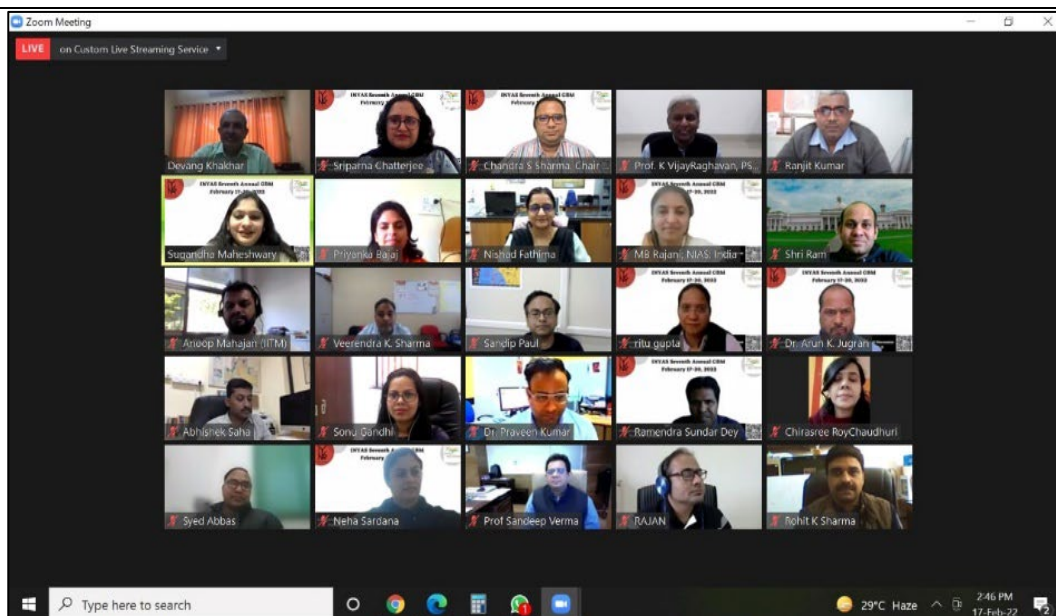
- *PRAYOJAN - Post PhD Research, Academia and Industry Opportunities, Science Journalism, Grant Writing and Networking*
- *RuSETUP - Rural Science Education & Training Utility Program*
- *WiSDom - Women in scientific domain flagship program.*
- White Papers

INYAS FLAGSHIP EVENTS

1. INYAS annual general body meeting (Feb 2022)

The Indian National Young Academy of Sciences (INYAS) conducted its seventh annual general body meeting from Feb. 17-20, 2022 (online mode). Major Highlights: 2 Public Lectures, 1 Panel discussion (Science Performance Indices: Need, Rationale and Alternatives), A Technical Symposium on Light Emitting Materials for Societal Benefit). The public lecture was given by Prof. Peter C Doherty (Nobel Prize Winner in Medicine, 1996 on the of vaccination, the principal immune ‘effectors’ involved in protection from any virus are the secreted (from plasma cells) antibodies that float around in blood or mucus, bind to free virus particles and prevent them from gaining access to the cytoplasm of the cells (initially in the nose for SARS-CoV-2) where they reproduce themselves. When it comes to recovering from an infection in, say, a partially protected or unvaccinated individual, the major immune effectors are the CD8+ ‘killer’ T cells that identify, then destroy these virus-producing cell ‘factories’. The talk will focus on both ‘killer’ viruses and the CD8+ ‘killer’ T cells that bring infections to an end, my research focus for almost 50 years. Prof. Vijay K Raghavan, Principal Scientific Adviser to GoI and Prof. Sandeep Verma, Secretary, Science and Engineering Research Board - SERB; Prof. Sandeep Verma, Secretary, Science and Engineering Research Board - SERB; Prof. Devang Khakhar, Vice President, Indian National Science Academy attended the event as chief guests and moderated the groups discussion on multiple important and relevant topics to young scientists and members.

 <p>SEVENTH ANNUAL GENERAL BODY MEETING INAUGURAL SESSION</p> <p>Feb. 17, 2022, 2:00-3:00pm IST</p> <p>Join: https://youtu.be/XdH92PrHjvA</p>	 <p>SEVENTH ANNUAL GENERAL BODY MEETING PUBLIC LECTURE I</p>
<p>Chief Guest</p> <p>Prof. K. Vijay Raghavan Principal Scientific Adviser, GoI</p>  <p>Guest of Honor</p>  <p>Prof. Sandeep Verma Secretary, SERB-DST, GoI</p>  <p>Prof. Devang Khakhar Vice President, INSA</p>	<p>THE KILLER DEFENCE</p>  <p>Prof. Peter C Doherty AC, FRS, FMedSci The University of Melbourne Australia</p> <p>Nobel Prize Winner in Medicine (1996)</p> <p>17th February, 11:00-12:00 IST</p> <p>DIRECT YOUTUBE LINK TO JOIN https://youtu.be/TsU5EvIS5Wk</p> 



2. PRAYOJAN, a flagship online event of INYAS

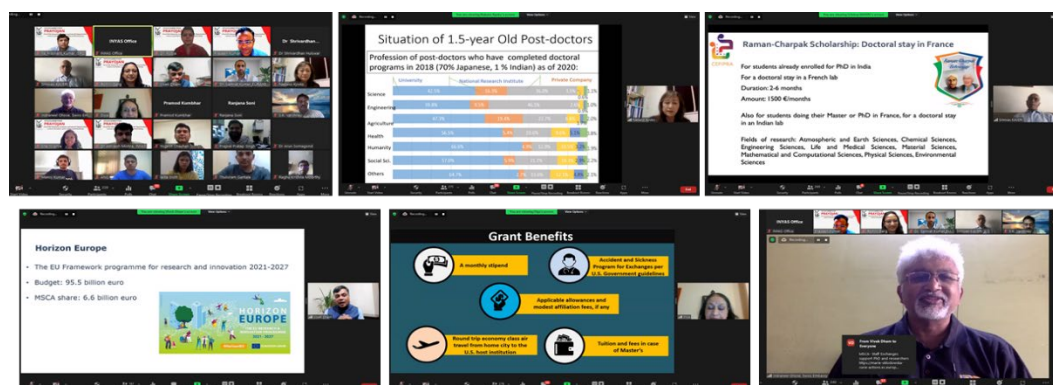
INYAS has successfully conducted its one of its kind flagship event, “PRAYOJAN”, for students, including post PhDs, post-docs and early career researchers. The event was scheduled from 23-24th April 2022 and aimed to provide awareness about career opportunities post Ph.D. in various sectors like research, industry, academic writing, science communication, etc. This program also aimed to provide information about various national/international postdoctoral opportunities and grant-writing/CV-building training. This event was planned by INYAS, seeing the gap in this area for students to get awareness about career opportunities and enhance their professional skills. The “PRAYOJAN” had six detailed sessions having different distinguished speakers.



Day 1 started on a high note, having the presence of INyas founding Chair, Dr Anindita Bhadra and past chairs Dr Mahesh Kumar and Dr Chandra Shekhar Sharma, and current chair Dr Rajendra Dhaka on the inaugural event. In the first session, speakers from SERB, DST, CSIR, India Alliance, IISER Mohali, IIT Gandhinagar, and ISRO, shared the postdoc and research opportunities for early career researchers in their respective institutions.



Session-2 was one of the very informative sessions on the International opportunities available after PhD for Indian Students. Fortunate to have a very distinguished panel including Dr SK Varshney, Sr Vivek V. Dham (EU Delegation), Dr Samrat (EUraxess), Indraneel Ghose (SWISS Embassy), Dr Srinu Kaveri (CNRS France), Dr Divya Dutt (Fulbright) and Dr Kyoko Nakano (JSPS).

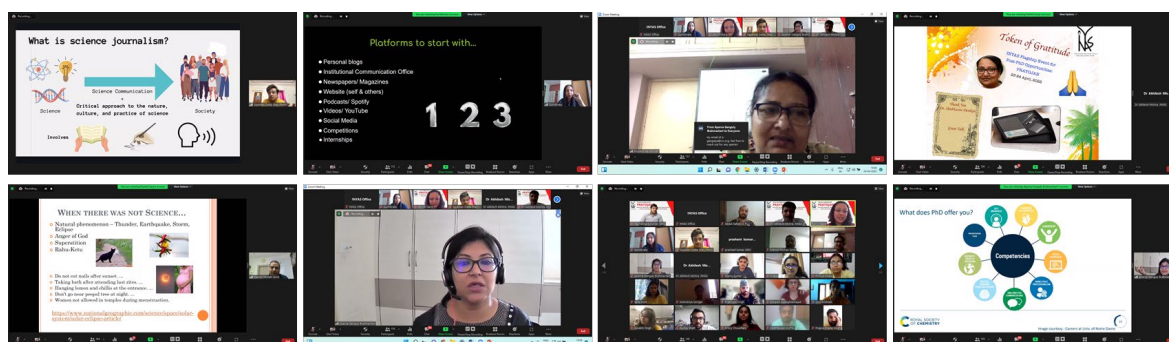


In session 3, the Fellowship recipient shared the experiences to give tips to the participant on how to write a successful fellowship grant. Dr Yogesh S. Chauhan (Indian Institute of Technology, Kanpur), Dr Veda Krishnan (ICAR-Indian Agricultural Research Institute), Dr. Aritra Sarkar (Indira Gandhi Centre for Atomic Research), Dr Praveen Kumar (Indian Association for the Cultivation of Science Kolkata) and Dr Ritesh Kumar (CSIR-CSIO) have shared their experience with the participants.

In session 4, the importance of innovation and entrepreneurship was highlighted. All the available funding from GoI for starting one's own business, from ideation to processing, was highlighted by Dr. Suar and Dr. Sunil. The available schemes in CSIR labs and chemical industries like Reliance were also discussed.



Session 5 was on the career opportunities in academic publishing and science communication by experts including Dr Deeksha Gupta, Dr Aparna Ganguly, Dr Shubashree Desikan, Sayantan Datta, Dr Suchibrata Borah about opportunities available and skills and key points essential to pursue a career in science communication followed by an engaging question and answer session by all the speakers.



Two days event “PRAYOJAN” ended with a valedictory address by Prof. Sandeep Verma, Secretary, SERB (Session 6). Prof. Verma accolated the event and suggested including sessions on Start-Up culture, Science Documentary, etc., and assessing the NEP impacts regarding the inclusion of regional language in science education and communication in such events.

Participants gave feedback and appreciated the comprehensive program, which gave them a bird eye view of career post PhD in different sectors. Consistent participation in all sessions of more than 250 candidates shows the relevance of this INyas initiative.

3. Rural Science Education and Training Utility Program (RuSETUP)

Several events were organized by INyas members under RuSETUP in regional languages for school teachers as listed below.

3A. Rural Science Education Training Utility Program (RuSETUP), Homi Bhabha Centre for Science Education (HBCSE), Mumbai

Mumbai chapter of INyas and INSA have jointly organized INyas Flagship event "Rural Science Education and Training Utility Program (RuSETUP)" at Homi Bhabha Centre for Science Education (HBCSE), Mumbai during June 3-4, 2022. This program was designed for rural area science teachers. Twenty high school teachers from rural areas of Maharashtra were selected for this program.

Day 1 started with the inaugural session on 3rd June 2022. Prof. G. Ravindra Kumar, Convener, INSA Mumbai Chapter, INyas member from BARC, Mumbai have given a brief overview of the RuSETUP workshop. Prof. P. Mukherjee, INSA Fellow from BARC, Mumbai was the guest of honour for this program, who shared his journey and urged teachers to continue inspiring children to take tougher paths. Prof. Rajendra S. Dhaka, Chair, INyas joined through the zoom platform and addressed the audience. Dr Vivek Parkar, Coordinator, INyas Mumbai Chapter have given a presentation about the various outreach activities of INyas along with a brief overview of the journey of INyas.

The inauguration was followed by first demonstration on Physics related topics session by Prof. Jayant Joshi, Marathi Vigyan Parishad, Mumbai. He showed how to use the day-to-day available resources to design simple experiments to clearly demonstrate the concepts of Physics. It was followed by a lunch session. After lunch, the teachers were taken to advance laboratory visits of HBCSE. In the first lab visit, teachers have been taken to Maths Lab where Prof. Aaloka Kanhere has shown various models developed for maths teaching at the Centre and how to solve simple integral and differentials using a logical and simple approach.

Day 2 started with the session on Biology where Prof. Vikrant Ghanekar and Prof. Anupama Ronad from HBCSE demonstrated various biology experiments using microscopes. Teachers were given the hands-on-training on using microscopes, preparing slides etc. Later the teachers attended the Chemistry demonstrations by Prof. Arnab Dutta, INYAS member from IIT Bombay and Prof. Anindya Dutta, Professor at IIT, Bombay along with students. Acid and base classification using simple techniques with a variety of samples has been shown. After the lunch break, the final session on Connected Learning Initiative (Clix) modules was taken by Dr Shamin Padalkar, INYAS Member from TISS. Teachers have been given training at the computer lab of HBCSE on how to use the modules developed by TISS for effective teaching and learning.



3B. Rural Science Education Training Utility Program (RuSETUP), IIT Delhi

INYAS organised an event under its flagship program, Rural Science Education Training Utility Program (RuSETUP). This event was organized by members of NCR Chapter of INYAS and supported jointly by INYAS, NASI, and INSA local chapters. The event was themed on "Three-dimensional learning of science for society" to motivate science teachers from rural/ sub-urban areas of Rajasthan and Haryana at IIT Delhi.

Another event under Rural Science Education and Training Utility Program (RuSETUP) (INYAS Flagship Event) - Organized jointly by the Delhi NCR chapters of the Indian National Young Academy of Sciences (INYAS), Indian National Science Academy -INSA , and The National Academy of Sciences, India (NASI) in the premises of Indian Institute of Technology Delhi, during July 9-10, 2022.

Dr. Krishnan Veda and Dr. Kalpana Nagpal were the Co-ordinator and co-coordinator of the event. Professor Ajoy Ghatak (NASI president and honorary professor physics at IIT Delhi), Prof. Anurag Sharma (NASI vice-president, convener NASI Delhi chapter and emeritus

professor at IIT Delhi), Prof. Niranjana Chakraborty (INSA Delhi chapter Convener), and Dr. Rajendra Dhaka (Chair, INyas) graced the inaugural session. Sh. Deepak Sharma ji (National award winner for outstanding efforts in science and technology popularization in 2020); INyas members (Rohini Garg, Meher Wan, Ali Haider, Rajendra Dhaka); NASI fellows (Prof. Manoj Saxena and Prof. Pratibha Jolly); and INyas alumnus (Pankaj Bhagel and Charulata) were the resource persons for informative talks/hands-on/demos/sessions. A total of 19 science teachers from different schools attended the event in offline mode from four states Delhi, Uttar Pradesh, Haryana, and Rajasthan.




3C. Rural Science Education and Training Utility Program (RuSETUP)

INyas organised its flagship banner, Rural Science Education and Training Utility Program (RuSETUP) on 23rd and 24th of August, 2022 at G.I.C. Triyuginarayan, Rudraprayag, Uttarakhand. The event was jointly organized by INyas and G.B. Pant National Institute of Himalayan Environment (GBPNIHE), Uttarakhand.

 	INyas FLAGSHIP EVENT Rural Science Education and Training Utility Program (RuSETUP)		
	Jointly organized by Indian National Young Academy of Science (INyas) & G.B. Pant National Institute of Himalayan Environment (GBPNIHE), Uttarakhand		
<i>Target Audience</i> 120 students and teachers from Rural areas of Uttarakhand	August 23-24, 2022 <i>Venue</i> G.I.C. Triyuginarayan, Rudraprayag, Uttarakhand	<i>Planned Activities</i> Science awareness & demonstration sessions	

3D. Rural Science Education and Training Utility Program (RuSETUP)

Another event under its flagship banner, Rural Science Education and Training Utility Program (RuSETUP) was organized on 20th August, 2022 at Upper Primary School, Jalhupur, Chiraigaon, Varanasi.



INyas FLAGSHIP EVENT

RURAL SCIENCE EDUCATION AND TRAINING UTILITY PROGRAM (RuSETUP)

Organized by
Indian National Young Academy of Sciences (INyas)

<p>Target Audience Students of Rural area of Varanasi</p>	<p>August 20, 2022</p> <p>Venue Upper Primary School, Jalhupur, Chiraigaon, Varanasi</p>	<p>Planned Activities Science awareness and demonstration sessions</p>
<p>INyas Members Dr. Sanjay Singh Dr. Ashish Kumar Mishra</p>		<p>Students Mr. Prince Kumar Maurya Mr. Krishna Kant Dubey Mr. Jay Deep Gupta Ms. Shivani Rastogi</p>

3E. Rural Science Education and Training Utility Program (RuSETUP)

The programme was for Science School teachers of Mathura District to create science awareness, to inculcate temperament towards science, creativity in teaching, to update them with several breakthrough inventions also for science communication skills.



INyas Flagship & CSIR-JIGYASA EVENT

Rural Science Education Training Utility Program (RuSETUP)

Jointly organized by Indian National Young Academy of Sciences (भारतीय युवा विज्ञान अकादमी)
CSIR-Indian Institute of Toxicology Research (IITR), Lucknow
CSIR-Central Drug Research Institute (CDRI), Lucknow

<p>Guests of Honor</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Shri Bhaskar Mishra, DIOS Mathura </div> <div style="text-align: center;">  Shri Mahendra Kumar Singh, Deputy Director and Principal DIET, Mathura </div> </div>	<p>Date: Aug. 30, 2022 Time: 9.30 AM- 05.00 PM</p> <p>Venue: District Institute of Education & Training (DIET), Ronchi Bangar, Mathura - 281001</p>	<p>Local Resource Persons</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Shri Devendra K. Sharma Principal, Primary School Lohavan-I, Mathura </div> <div style="text-align: center;">  Sh. Hariom Singh Lecturer, chemistry DIET, Mathura </div> </div>
<p>Keynote Speakers:</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Dr. Mahesh Kumar, Principal Scientist, CSIR-National Physical Laboratory, Delhi </div> <div style="text-align: center;">  Dr. Sanjeev Yadav, Senior Scientist & CSIR-CDRI Nodal, Jigyasa Program, CSIR-Central Drug Research Institute, Lucknow </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Dr. Sheelendra P. Singh, Senior Scientist, JSPS Fellow & INyas Member, CSIR-Indian Institute of Toxicology Research, Lucknow </div> <div style="text-align: center;">  Dr. Praveen Kumar, Assistant Professor & INyas Member Chair, Career Development, MCAA European Commission, Indian Association for the Cultivation of Science (IACS) Kolkata </div> </div>	<p>Targeted Audience: School Science Teachers</p>
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  Dr. Jai Prakash, Assistant Professor & INyas Member, Aligarh Muslim University </div> <div style="text-align: center;">  Dr. Gautam Singh, Associate Professor Amity University Noida </div> </div>	<div style="text-align: center;">  Dr. Vivek Verma, Associate Professor, University of Delhi </div>	


3F. Rural Science Education and Training Utility Program (RuSETUP)-Event on "Frugal Innovations: Impact on Rural Healthcare"

Kolkata-Bhubaneswar chapter successfully conducted an event themed on "Frugal Innovations: Impact on Rural Healthcare" on 02nd July, 2022 in an "in-person" mode at IIT Kharagpur. The program was supported jointly by INYAS and SERB. More than 30 school science teachers from rural/sub-urban areas of Paschim Medinipur (West Bengal) attended the event. The event started with a welcome video note by Dr Rajendra Dhaka (Chair, INYAS) and was followed by a foreword by our guest of honour, Prof. Soumen Das, (Chairman, School of Medical Science and Technology, IIT Kharapur). This was followed by presentation in regional language (Bengali) by Dr. Dibyendu Chatterjee (Member, INYAS) summarizing INYAS activities in general and the activities by Kolkata-Bhubaneswar Chapter in particular. The expert lectures were conducted Prof. Suman Chakraborty (Dean R&D, IIT Kharagpur) and Prof. Jyotirmoy Chatterjee (Advisor, B. C. Roy Multispecialty Medical College, IIT Kharagpur) in Bengali and interactive discussions with the teachers. Prof. Suman Chakraborty highlighted the need for developing scientific temperament in school students without the use of sophisticated and expensive experimental set-ups. Prof. Jyotirmoy Chatterjee, discussed the need promoting interdisciplinary and multidisciplinary education in schools. Through his lecture, he demonstrated how the complexities of the human body cannot be resolved by developing an understanding of only one discipline of science. He also showed, how our ancient learnings and principles of Ayurveda Medicine are slowly redefining our understanding of medical science. The expert lectures were followed by an interactive session conducted by Dr. Dibyendu Chatterjee, Dr. Sandip Paul, Dr. Nishant Chakravorty and Dr. Budhaditya Mukherjee, where the school teachers engaged actively, shared their concerns and suggestions, which were well received and noted. The afternoon session was dedicated to lab demonstrations coordinated by Dr. Budhaditya Mukherjee and his team in the Life Sciences building of IIT Kharagpur. The event was well coordinated by the Kolkata-Bhubaneswar Chapter members Dr. Sriparna Chatterjee, Dr. Kutubuddin Molla, Dr. Chirashree Roy Chaudhuri, Dr. Dibyendu Chatterjee, Dr. Sandip Paul and Dr. Nishant Chakravorty.





4. Women in Scientific Domains (WiSDom)


A series of events under Wisdom included events to motivate school teachers and students, inspiring pitches by WINYAS members, Inspirational journeys of a renowned speakers and white papers from proceedings from these events.



Undergraduate and post graduate students:
3 minutes inspiring pitch by WINYAS members, Q&A


Kiran & Durba




Nishad & Nishima
Co-conveners


Sugandha & Rajani
from CC

Whitepaper(s):



- Effect of covid on (Women) scientists/ academicians
- As from the proceedings of the events

Neha & Upasana



Early career researchers:
Inspirational journey of a renowned speaker, Career counselling, (problems related to women in STEM)

Veda and Nivedita

School children and their teachers:
Motivate them to take up science as a career by WINYAS members telling stories of female scientists like the first Indian doctor, astronaut, etc

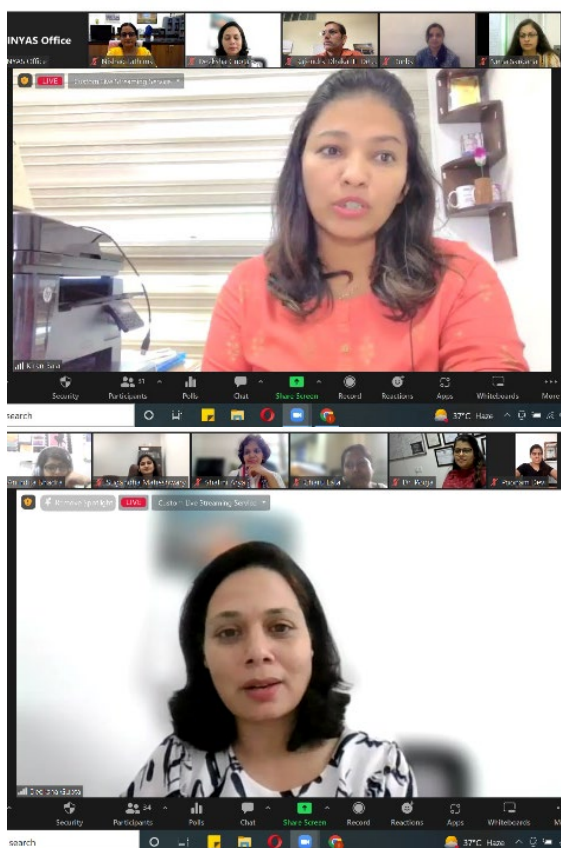
Meghna & Jiban

4A. Trail Blazers 3 minute pitches” under the WiSDom flagship event

Under the WiSDom flagship event, this is a collage of 3-minute pitches on the journey of women scientists. Aimed at school and college students the event highlights the journey, the challenges and the achievements of young trail blazers. The event had 12 women scientists giving elevator (3 min) talks on their journey, followed by a discussion session. Dr. Deeksha Gupta was the guest of honour and briefly talked about her journey as well. The event was aimed to motivate and inspire young girls and boys to take steps in their journey in science.

“Trail Blazers 3 minute pitches” celebrating the path of young women scientists was conducted on July 13 (4-6 pm) via online mode under the flagship event “WiSDom”. It was great to highlight a collage of brilliant scientists and their journeys along different aspects of their career. We hope that this will encourage more young students - both girls and boys in their STEM careers. Dr. Deeksha Gupta (Senior Associate Director-India Strategy & Operations, American Chemical Society) joined the event as guest of honour and enlightened the audience with her success story. Chair INYAS, Dr. Rajendra Dhaka also joined and gave an overview of progress and various activities conducted under INYAS.



INDIAN NATIONAL YOUNG ACADEMY OF SCIENCES (INYS)
presents

TRAIL BLAZERS

Celebrating the path of young women scientists ...

Under the flagship event
“WiSDom”
 (Women in Scientific Domain)

Invites you to sessions on
“Young Women scientists and their path in STEM”
 On July 13, 2022 (4-6 PM)

1

JOURNEY

3-minute pitches

2

Q&A

Discussion Session

4:00 PM: Inaugural session
 4:15 PM: Guest Speaker Dr. Deeksha Gupta
 “Journeys (Learn about the successes of outstanding young women scientists working in STEM)”

Guest Speaker:

Dr. Deeksha Gupta

(Senior Associate Director - India Strategy & Operations, American Chemical Society)

Zoom Link: <https://us02web.zoom.us/j/8361085535?pwd=KkE1dXBkZlRlbnY4OUEzZjRlc0E1UT09>
 Meeting ID: 836 1085 5335, Passcode: 909614

YouTube Link: <https://youtu.be/wPg811m8IQE>

Event Co-ordinators:
 Dr. Kiran Talla, Dr. Darsha Sengupta, Dr. Nishima Wangoo, Dr. Nishad Fathima K,
 Dr. M.G. Rajani, Dr. Sugandha Maheshwary

Video Editing Courtesy: Ms. Gouri Shama (Panjab University, Chandigarh)

Dr. Anusha Bhatia
 IISER, Kolkata

Dr. Chuan-Lin
 CSIR-CCRP

Dr. Rajani Wangoo
 Amity University

Dr. Kiran Talla
 IIT Indore

Dr. Maheshwari
 IISER, Mohali

Dr. Nishad Fathima K
 IIT Roorkee

Dr. Nishad Fathima K
 CSIR-CRIE

Dr. Nishad Fathima K
 Panjab University

Dr. Parag Desai
 CSIR-CRIE

Dr. Nishad Fathima K
 CSIR-CRIE

Dr. Rajani Arya
 IIT, Mumbai

Dr. Som Gandhi
 IISER, Hyderabad

Dr. Sugandha Maheshwari
 IIT Kharagpur

Dr. Yashika
 IISER, Kolkata

21

4B. Event on " Iconic Women Scientists of India" for the school children

Indian National Young Academy of Sciences (INYAS) organised a virtual event "Iconic Women Scientists of India" for the school children, under its Flagship program WiSDom (Women in Scientific Domain) on July 27, 2022 (Wednesday) at 10.30 am. In this online webinar, four eminent young scientists, who are INYAS members, shared inspirational stories of Iconic Women Scientists of India in a simple language to motivate young school children, especially girl students. These iconic women were ice-breakers, being first ever to receive a Doctorate from Indian/Foreign University in their fields or so. The hardships they faced and the unusual path they took up paved the way for future generations and that's what we want students to be familiarised with. The ultimate goal of the event is to raise awareness in young minds about the legendary contributions made by women in the field of science, technology, engineering and mathematics, to encourage them to pursue a career in STEM.

Chief Guest for the event was Prof. Chandrima Saha, who is a renowned biologist and first women to be President of Indian National Science Academy (INSA). Padma Shree awardee Prof Rohini Godbole, was the keynote speaker. She is a renowned physicist and a strong supporter and has worked incessantly for the cause of women in STEM. This event showcased the lives of four pioneering women scientists of India. We brought forth inspiring stories about Dr. Bibha Chowdhuri, Dr. Kamala Sohonie, Dr. EK Janaki Ammal, and Dr. Asima Chatterjee. All women serve as examples of excellent scientists who overcame many social and workplace hurdles to follow their passion for knowledge and a career in science. It is our hope that these iconic women will be seen not only as stories of hardship, but also of hope for the future of science.

A QUICK LOOK INTO THE LIVES OF
ICONIC WOMEN SCIENTISTS OF INDIA
 Under Indian National Young Academy of Sciences (INYAS) Flagship Event "WiSDom" (Women in Scientific Domain)

Dr. Asima Chatterjee, Chemist,
 1st Indian Woman to obtain a Ph.D in Science from an Indian university

Dr. Janaki Ammal, Botanist,
 1st Indian Woman to obtain a Ph.D in Botany from the U.S.A.

Dr. Kamala Sohonie, Biochemist,
 1st Indian Woman to obtain a Ph.D in Science from a Foreign University

Dr. Bibha Chowdhuri, Physicist,
 1st Indian Woman Scientist in the field of High Energy Physics

CHIEF GUEST
Prof. Chandrima Saha
 (Renowned Biologist)
 IICB, Kolkata, President INSA (2020-2022)

KEYNOTE SPEAKER
Prof. Rohini Godbole
 (Renowned Physicist)
 IISc, Bengaluru

SPEAKERS

Dr. Jyoti Jyoti Panda
 Institute of Science & Technology, Mohali

Dr. Swati Gadgil
 National Institute of Animal Health, Hyderabad

Dr. Meghna Krishnamoorti
 CSIR - Centre for Cellular & Molecular Biology, Hyderabad

Dr. Sarpada Chatterjee
 CSIR-Institute of Minerals & Materials Technology, Bhubaneswar

Zoom: <https://us02web.zoom.us/j/81674507757?pwd=GrDBpTmaNTYwZmRlcy7ZTACG8U9v.1>
Meeting ID: 816 7450 7757 **Passcode:** 941831

Event Co-ordinators:
 Dr. Meghna Krishnamoorti, Dr. Jyoti Jyoti Panda, Dr. Sugandha Maheshwary
 Dr. N. Nishad Fatima, Dr. Nishana Wangoor, Dr. M.B. Rajani

Date: 27th July, 2022
Time: 10:30 a.m.

4C. Virtual-interactive workshop titled - "WiSDom (Women in Scientific Domain) workshop"

Indian National Young Academy of Sciences (INyas) organised 3rd event in series under its Flagship program - WiSDom (Women in Scientific Domain) - a virtual-interactive workshop titled - "WiSDom (Women in Scientific Domain) workshop" on August 13, 2022 (Saturday) from 10.00 am – 4.00 pm.

The Chief guest of the inaugural session was Dr. Anantha Ramakrishnan (Director, CSIO, Chandigarh) and guest of honour was Ms. Elsa Marie De Silva (Founder and CEO of Red dot foundation) and founder of Red dot foundation. Four different technical sessions were then conducted by experienced resource persons like Ms. Meeta Rajiv Lochan (Member Secretary, National Commission for Women), Prof. Pratibha Jolly (PI, DST-GATI), Prof. Jayanti Dutta (Associate Director, HRDC, UGC, Panjab University) and Prof. Sudeshna Sinha (Deputy Director, IISER-Mohali). Various relevant aspects like Women in leadership challenges and opportunities; Advancing careers, building teams and sustainable partnerships; Workplace challenges, and Work-life balance were in-depth discussed in the technical sessions.

WiSDom WORKSHOP
under the flagship event
Women in Scientific Domain
13th August, 2022 (Online via Zoom)

RESOURCE PERSONS

GUEST OF HONOUR
Ms. ELSA MARIE DE SILVA
Founder & CEO,
Red Dot Foundation

CHEIF GUEST
Prof. S. ANANTHA RAMAKRISHNA
Director, CSIO
Chandigarh

Ms. Meeta Rajiv Lochan
Member Secretary,
National Commission for Women
New Delhi

Prof. Pratibha Jolly
PI-DST Supported
Project GATI,
New Delhi

Prof. Sudeshna Sinha
Deputy Director,
IISER Mohali

Prof. Jayanti Dutta
Associate Director,
HRDC, UGC,
Panjab University,
Chandigarh

Program

10.00 to 10.05 AM: Welcome remarks by Chair INyas
10.05 to 10.15 AM: Address by Prof. S. Anantha Ramakrishna
10.15 to 10.35 AM: Inaugural address by Ms. Elsa Marie De Silva

10.35 to 11.35 AM: **SESSION-1**
Title: Women in Leadership- Challenges and Opportunities
Speaker: Ms Meeta Rajiv Lochan

11.35 to 12.35 AM: **SESSION-2**
Title: Advancing Careers, Building Teams, Sustaining Partnerships
Speaker: Prof Pratibha Jolly

12.35 to 2.00 PM: Lunch Break

2.00 to 3.00 PM: **SESSION-3**
Title: Workplace challenges
Speaker: Prof. Sudeshna Sinha

3.00 to 4.00 PM: **SESSION-4**
Title: Work Life Balance
Speaker: Prof. Jayanti Dutta


TARGET AUDIENCE: Early career researchers

Event Co-ordinators:
Dr. Veda Krishnan, Dr. Kalpana Nagpal
Dr. N. Nishad Fatima, Dr. Sugandha Maheshwary, Dr. M.B. Rajni and Dr. Nishima Wangoo

Register at
<https://forms.gle/eLkL3pHyqWwJQ8R8>
Last date to register
7th August 2022

5. Saransh 2022: Three Minute Thesis Competition

The second edition of Saransh: Three Minute Thesis Competition for PhD students was conducted between September and December 2022 with the support of Anton-Paar India Pvt. The aim of this competition was to provide an opportunity to the new generation of budding Indian scientists to communicate their work to a wider audience who have little or no knowledge in their area of research. The event was open for Senior PhD students registered in any State/Central Institution or University (in India) in the areas of Physical sciences, Mathematical Sciences, Chemical Sciences, Life Sciences and Engineering Sciences. A total of 137 participants registered for the preliminary round of the competition and uploaded their presentations on YouTube. These entries were evaluated by a panel of INYAS jury members (Dr. Sanjay Singh, Dr. Manil T. Mohan, Dr. Jai Prakash and Dr. Pragya Bhatt; Dr. Ramendra Sundar Dey, Dr. Subbiah Alwarappan, Dr. Nishima Wangoo and Dr. Arnab Dutta; Dr. Chirashree RoyChaudhuri, Dr. Neha Sardana, Dr. Aritra Sarkar and Dr. Pranjal Chandra; Dr. Kutubuddin Molla, Dr. Veda Krishnan, Dr. Kalpana Nagpal and Dr. Arun Kumar Jugran). The jury shortlisted a total of 34 participants (Physical sciences; Mathematical Sciences: 7; Chemical Sciences: 6; Life Sciences: 11 and Engineering Sciences: 10). The final round of the competition was held via live video conferencing using Zoom platform over a period of three days (17 th , 18 th and 19 th December 2022). The final round jury comprised of INYAS alumni (Dr. Anindita Bhadra, Dr. Nishad Fathima and Dr. Mithun Palit), science communication experts (Dr. Hassan Jawaid Khan, Editor, Science Reporter) and school science teachers (Mr. Rajesh Pisthe, GovindRao High School, Ichalkaranji and Mr. Satyapal Singh, Rajkiya Varishtha Madhyamik Vidyalay, Bundoili Khand, Rewari) and INYAS members (Dr. Kutubuddin Molla, Dr. Sanjay Singh, Dr. Chirashree Roychoudhury and Dr. Ramendra Sunder Dey and Dr. Charulata). The event was coordinated by Dr. Nishant Chakravorty and Dr. Meher Wan.




Saransh
 सारांश
 2022
 00:03:00

Thesis presentation in three minutes!
 A National Level Competition for
 PhD scholars

Disciplines:
 Physical/ Mathematical Sciences
 Chemical Sciences
 Life Sciences
 Engineering Sciences

Languages: English or Hindi

Event Sponsor  **Anton Paar**




6. National Frontiers of Science meeting (NatFoS 2022)

The National Frontiers of Sciences (NatFoS) series of brainstorming sessions was started in 2018 with support from the Office of the Principal Scientific Advisor (PSA) to the Govt. of India, in order to create a healthy dialogue between various disciplines of science. This series of discussions has been designed on the lines of the US National Academy Frontiers of Science model, bringing together 35-40 outstanding young scientists and engineers to discuss, deliberate and collaborate through presentations of exciting advances in one’s own field of expertise, and simultaneously learn about research at the cutting edge of other scientific disciplines. To achieve these objectives, INYAS has organized NatFoS 2022 as a three-day residential meeting at Parwanoo, HP from 13-15 March 2022. NatFoS 2022 has sessions on Accelerators for Science and Society, Antimicrobials and Vaccines, Renewable energy and Storage, Cancer Biology & Theranostics and Indian Ocean Carbon Dynamics in a Changing Environment and Women in Leadership. The last session was organized with the aim to mark Govt of India focus on Women in Science for the year 2020-2021. NatFoS 2022 also includes a special session on infectious diseases to keep the current pandemic by Covid-19 as the central point of the discussion.



7. INyas mid-year meeting: Three-days technical symposium on “Basic Science and Technology for Sustainable Development (BSSD-2022)”

To commemorate the International Year of Basic Science for Sustainable Development and 75 years of Azadi ka Amrit Mahotsava, INyas in collaboration with BARC and IIT, Delhi organised a three-days technical symposium on “Basic Science and Technology for Sustainable Development (BSSD-2022)” during 16-18 September 2022 at DAE Convention Centre, Anushaktinagar, Mumbai. There were eight technical sessions with 32 speakers and one INyas member session during this meeting over three days with



INyas Technical Symposium
BASIC SCIENCE AND TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT (BSSD-2022)
 DAE Convention Centre, Anushaktinagar, Mumbai, during September 16-18, 2022

Organized by
 Indian National Young Academy of Science (INyas), Mumbai Chapter
 In Association with
 Bhabha Atomic Research Centre, Mumbai and Indian Institute of Technology Delhi

Supported by INyas-INSA, SERB and BRNS

INyas technical symposium on “Basic Science and Technology for Sustainable Development (BSSD-2022)” is being organized during September 16-18, 2022 at DAE Convention Centre, Anushaktinagar, Mumbai.

About INyas
 Indian National Young Academy of Sciences (INyas) is the first and only recognized young scientist academy of India. INyas was founded by the INSA Council in December 2014 with a vision to promote Science education and networking among young scientists at National as well as International level. Currently, we have a total of 185 members and 44 alumni members. Through our many initiatives, such as National Frontiers of Science meetings, technical symposiums, Science outreach camps, remote area lectures, career awareness workshops, webinars on current topics and many more, we are actively working to connect the young scientists of the country as well as world for Science promotion.

About BSSD-2022
 To commemorate the international year of Basic Science for sustainable development and 75 years of Azadi ka Amrit Mahotsava, INyas, in association with BARC and IITD, is organizing a three-days technical symposium on “Basic Science and Technology for Sustainable Development”.

Scope of BSSD-2022:
 (i) Energy Materials (ii) Innovations in Health Care (iii) Recent Advancement in Agricultural Science (iv) Mega Science Projects in India (v) Balancing Environmental Challenges with Green Chemistry (vi) Bio-nanotechnology and Bio-materials (vii) Artificial Intelligence (viii) Role of Basic Science in Water and Food Security (ix) Fostering Industry-Academia Relationship (x) Advances in National Security

PATRONS
 A.K. Mohanty (Director, BARC)
 D.V. Khakhar (Vice President, INSA)

NATIONAL ADVISORY COMMITTEE
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 S. Kannan (BARC) Ashutosh Sharma (INSA)
 S.M. Yusuf (BARC) G. Ravindra Kumar (INSA)
 T.K. Ghanty (BARC) A. Bhadra (INyas)
 A. Kumar (BARC) Mahesh Kumar (INyas)
 R.K. Mohapatra (BARC) C. Sharma (INyas)
 A.K. Gupta (BARC) R.S. Dhaka (INyas)

ORGANIZING COMMITTEE
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 P. Vasa (IITB)
 S. Padalkar (TISS)
 T. Nivethida (IITB)
 S. Arya (ICT)
 A. Saha (IIT-G)
 A. Mahajan (IITM-Pune)
 S. Kamley (ICS)

Note:
 (i) Participation is by invitation only for the young scientists and engineers below 45 years
 (ii) The technical program will encompass Invited and Plenary talks by eminent scientists from across the country in the cutting edge research areas pertaining to scope of BSSD-2022

Correspondence for BSSD-2022
 Dr. Prabhakar K. Singh and Dr. Rajendra Dhaka Co-Conveners
 Dr. Vivek Parkar Secretary
 Phone: +91-22-2559 0894/6783
 Email: inyasbssd2022@gmail.com




INyas Technical Symposium
Basic Science & Technology for Sustainable Development BSSD-2022

Organized by
 Indian National Young Academy of Sciences (INyas), Mumbai Chapter
 In Association with
 Bhabha Atomic Research Centre & Indian Institute of Technology Delhi

Supported by INyas-INSA, SERB & BRNS

DAY-2 : SEPTEMBER 17, 2022, 14:30 - 16:00

Technical Session - 6 : Recent Advances in Agricultural Science

Co-Conveners, BSSD-2022
 Dr. Prabhakar K. Singh
 Dr. Rajendra S. Dhaka

Secretary, BSSD-2022
 Dr. Vivek Parkar

CHAIR
 Dr. Rohini Garg
 Shiv Nadar University
 Greater Noida

CO-CHAIR
 Dr. Shri Ram Yadav
 IIT Roorkee

Speaker - 1
 Dr. Kutubuddin Molla
 ICAR-NRRI, Cuttack

Speaker - 2
 Dr. Divya Chandran
 RCB Faridabad

Utilizing CRISPR-Cas for developing rice plants suitable for changing climate

Using the model legume Medicago truncatula to identify molecular targets for powdery mildew resistance in crop legumes

Speaker - 3
 Dr. Ashish Shrivastava
 BARC Mumbai

Speaker - 4
 Dr. Shri Ram Yadav
 IIT Roorkee

Mechanistic basis of thionin mediated enhanced plant growth and reduced arsenic accumulation in rice grains

Conserved regulators with species-specific functions in orchestrating rice fibrous root system



INyas-OUTREACH EVENTS, TRAININGS AND WORKSHOPS

8. National Training Programme on "Hands-on training on basic molecular biology tools and techniques" for Schedule Caste Community Students

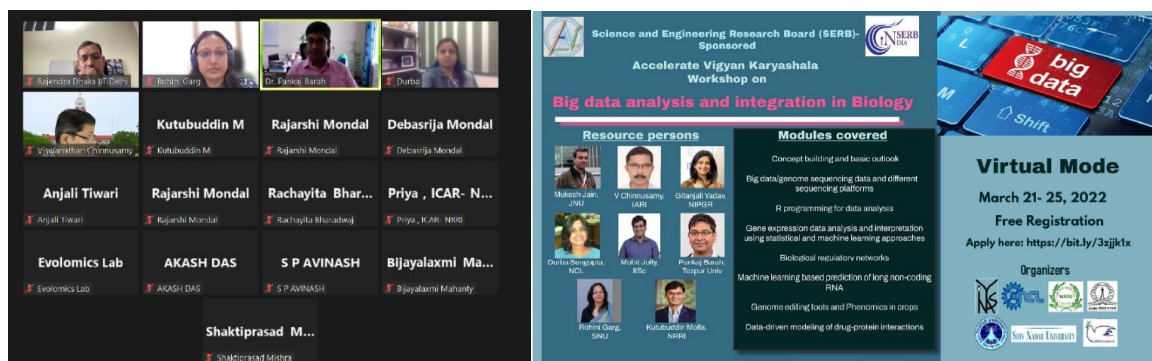
From the 3rd to the 5th of March, 2022, the ICAR-National Research Center on Pig, Guwahati, Assam, India organized a national training programme on "Hands on Training Programme on basic molecular biology tools and techniques", which was funded by the ICAR-Schedule Caste Sub Plan Programme in collaboration with the Indian National Young Academy of Sciences (INyas). This hands-on training was designed for Schedule Caste community researchers/students interested in basic and advanced molecular biology research as a means of advancing their careers. There were 11 students from different states of India who belonged to the Schedule Caste community. The training programme was coordinated by INyas members Dr Rajib Deb, Senior Scientist, ICAR-National Research Center on Pig, Guwahati, Assam, and Dr Pankaj Barah, Assistant Professor, Tezpur University, Assam.



9. Karyashala (high-end workshop) on Big Data Analysis and Integration in Biology

INyas has organised SERB Karyashala Workshop on "Big Data Analysis and Integration in Biology" during March 21-25, 2022. The main aim of this workshop is to familiarize students with emerging areas in Machine learning in Biology. Around 50-60 students participated in the workshop which included lectures on Genomics, Sequencing platforms, Data formats, Introduction to R, Gene Expression data analysis, ML based prediction of long non-coding RNA, Biological Regulatory Network analysis, Genome editing in crops, Phenomics in crops,

Drug-protein interactions by resource persons (Dr. Rohini Garg, Dr. Gitanjali Yadav, Dr. Pankaj Barah, Prof Mukesh Jain, Dr. Mohit Kumar Jolly, Dr. Kutubuddin Molla, Dr. Durba Sengupta) followed by hand-on-sessions.



10. Workshop on scientific communication (online)


Communicating science with the broad range of audiences that make up "the outside world" is a science of its own, and very different from the scientific communication that happens at conferences, research workshops and through peer-reviewed publications. Indeed, scientific communication is used to communicate new scientific knowledge mostly through scientific papers, technical reports, presentations at conferences and grant applications, to an audience of researchers, scientists and technical experts. On the other hand, science communication deals with communicating with a broad range of audiences that forms the general public, informing, educating, and raising awareness of science-related topics. Dr Dhaka and Dr Jewariya, INYAS have organized an online event "Workshop on scientific communication" during March 25 to 26th, 2022 to train students for science communication.



11. High-End Workshop (Karyashala) on "Training and Study Guide on Molecular Diagnostic Tools for Livestock Diseases

From July 5th to July 18th, 2022, the ICAR-National Research Center on Pig in Guwahati, Assam, organised a 14-day high-end workshop (Karyashala) programme on "Training and study guide on molecular diagnostic tools for livestock diseases," which was funded by the Accelerate Vigyan Scheme, Science and Engineering Research Board, Government of India. The event was organised by INYAS members Dr. Rajib Deb, senior scientist and Dr. Pankaj Barah, assistant professor. 25 postgraduates, PhD, and postdoctoral scholars from across the nation attended the workshop. All of the students had the chance to practice using various molecular and bioinformatic tools relevant to the development of diagnostic methods for livestock diseases.

Though hands-on practise, this course primarily introduced participants to the different molecular method of early diagnosis of livestock diseases. The emphasis is on doing rather than reading. For the benefit of the participants, live/onsite demonstration will be performed. This training assist those seeking new career opportunities in molecular biology in filling a skill gap between college and employment.

<p>Organizing Committee Members</p> <p>Event Director Dr. Vivek Kumar Gupta, Director</p> <p>Event Organizer Dr. Rajib Deb, Senior Scientist</p> <p>Event Co-Organizers Dr. Swaraj Rajkhowa, Principal Scientist Dr. N H Mohan, ICAR-National Fellow Dr. Pranab Jyoti Das, Principal Scientist Dr. Rafiqul Islam, Principal Scientist Dr. Seema Rani Pegu, Senior Scientist Dr. R Thomas, Senior Scientist Dr. Souvik Paul, Senior Scientist Dr. Juwar Doley, Senior Scientist Dr. Jaya, Scientist Dr. Satish Kumar, Scientist Dr. Pankaj Barah, Associate Professor & INYAS Member, Tezpur University, Assam</p> <p>Technical Faculties Dr. Gyanendra Singh Sengar, Research Associate Dr. Joyshikh Sonowal, Research Associate</p>	<p>Correspondence Dr. Rajib Deb Senior Scientist ICAR-National Research Center on Pig, Guwahati, Assam E-mail: drajibdeb@gmail.com; Rajib.Deb@icar.gov.in Contact Number: 7060385213 (M); 03612847195 (O)</p> <p><i>The last date for receiving the nomination is 21/06/2022</i> The advance scanned copy of the nomination may be sent by email. In case total number of participants exceeds 20-25, preference will be given on first come first serve basis. Note: The candidates will be notified about the selection latest by 22.06.2022. In case of any query please contact Course Organizer</p> <p>Venue, Date and Duration The SERB sponsored High-end workshop (Karyashala) will be conducted from 5th to 18th July, 2022 at ICAR-National Research Center on Pig, Rani, Guwahati, Assam, India</p> <table border="1"> <thead> <tr> <th colspan="2">Important Dates</th> </tr> </thead> <tbody> <tr> <td>Last Date of application</td> <td>21.06.2022</td> </tr> <tr> <td>Communication to Participants</td> <td>22.06.2022</td> </tr> <tr> <td>Commencement of Training Programme</td> <td>05.07.2022</td> </tr> </tbody> </table>	Important Dates		Last Date of application	21.06.2022	Communication to Participants	22.06.2022	Commencement of Training Programme	05.07.2022	 <p>High-End Workshop (Karyashala) Training and study guide on molecular diagnostic tools for livestock diseases July 5-18, 2022</p> <p>Sponsored by Science and Engineering Research Board (Accelerate Vigyan Scheme)</p>  <p>Organized by ICAR-National Research Center on Pig (Indian Council of Agricultural Research) Guwahati, Assam, India</p>
Important Dates										
Last Date of application	21.06.2022									
Communication to Participants	22.06.2022									
Commencement of Training Programme	05.07.2022									

12. Karyashala (high-end workshop) on Renewable Energy: Production and storage

INyas organised Karyashala (high-end workshop) on Renewable Energy: Production and storage for motivated master and PhD students at IIT Ropar, Punjab from Sept 24-30, 2022.





KARYASHALA (High-end workshop) on Renewable Energy: Production and Storage

24 – 30, September 2022

Organized by – Indian Institute of technology (IIT), Ropar-140001, Punjab, India
Sponsored By - Science and Engineering Research Board (SERB) through Accelerate Vigyan Scheme(AVS), DST, Govt. of India



About the workshop
"KARYASHALA" is an effort to improve research promising postgraduate and young Ph.D. scholars from Institutes, universities and colleges. The workshop will provide the following in-depth:

- > Thin Film Science and Technology
- > Vacuum Science and Technology
- > Physics of solar cells
- > Solar cell fabrication
- > Solar cell characterization
- > Hydrogen generation
- > Other sources of renewable energy and storage

There is no registration fee for the workshop. The selected participants will be provided boarding and lodging at IIT Ropar

ELIGIBILITY:- Highly motivated Masters and PhD students (up to 3rd Year) actively involved in applied sciences

DEADLINE for Registration:- 31st July 2022

REGISTRATION FORM:-
<https://docs.google.com/forms/d/e/1FAIpQLSeUQaJ5e0f483FA0zeMPLDtyly9tbV3d013oPP70iF99fOkQ/viewform>

The workshop duration will be of one week, the dynamic and pragmatic faculties from various eminent institute/research labs/University will deliver the lectures. This program aims to educate and enrich the postgraduate and young researchers to carry out high-end scientific research in the area of renewable energy. The government of India and SERB through Accelerate Vigyan Scheme (AVS) is primarily supporting the workshop, facilitated by the Indian Institute of Technology (IIT) Ropar. Participation certificates will be issued upon successful completion of the workshop after meeting the required attendance in the sessions

Research Facilities:-


Combinatorial sputtering system


Dual chamber sputtering unit


Chemical vapor deposition


PVE300 EQE/IOE response


Hall measurement


AM 1.5 Solar Simulator

Co-ordinator: Dr. Mukesh Kumar, Associate Professor
Department of Physics, IIT Ropar
Email: mkuumar@iitrr.ac.in | karyashala@iitrr.ac.in
Research home page: www.iitrr.ac.in/physics/faculty

Organized By:-





13. “Build Future Science Enthusiasts with INyas”

Department of Biosciences and Biomedical Engg., IIT Indore and Indian National Young Academy of Sciences (INyas) jointly organized a 6-Days Active Learning and Hands-on

Workshop on "Microbial Biomass and Bioproducts Characterisation Using High End Instruments" from 12th December - 17th December 2022 in offline mode at IIT Indore under the Karyashala Scheme- An Initiative by SERB, Govt. of India. Workshop was organized to widen the technical knowledge of participants interested in microbial (microalgae, cyanobacteria & purple bacteria) cultivation, characterization, and related instrumentation techniques. The workshop included technical sessions regarding visualization, identification, cultivation, and maintenance of various microbial strains. Through this workshop, participants gained knowledge on the sample preparation and technical aspects of analytical instruments such as HPLC, GC-MS, and optical microscopy. They also participated in complete biochemical profiling (total lipids, proteins, carbohydrates) of microbial biomass through UV – visible spectroscopy. The participants were also taken for a tour of the Sophisticated Instrumentation Facility (SIC) at IIT Indore and were familiarized with NMR spectroscopy, confocal and electron microscopy, LC-MS and GC-MS analysis. 25 participants, pursuing their M. Sc. and Ph. D. degrees, were selected from different institutes across India including Central University of Rajasthan, SRM University, Devi Ahilya Vishwavidyalaya, AIIMS Bhopal, Shree Vaishnav Vidyapith Vishwavidyalaya, Guru Gobind Singh Indraprastha University, Guru Jambheshwar University of Science and Technology, Savitribai Phule Pune University, Uka Tarsadia University, IIT Indore, NEERI Zonal Center Hyderabad, Maharaja Sayajirao University, and Delhi University. Inaugural Session The inaugural session was organized at IIT Indore on 12 December 2022. Expert lectures were delivered by eminent scientists both within and

6 Days Active Learning and Hands-on Workshop on
"MICROBIAL BIOMASS AND BIO-PRODUCTS CHARACTERISATION USING HIGH-END INSTRUMENTS"
 From 12th December - 17th December 2022
 (Under the Karyashala Scheme- An Initiative by SERB, Govt. of India)
 Organized By
 BSBE, IIT Indore and INYAS

Karyashala
 The goal of "KARYASHALA" is to give students, chiefly from research and academic institutions, practical learning experience in handling/troubleshooting of high-end scientific instruments and other such skill development on topics needed for research work. The programme is designed to assist motivated researchers who have a strong desire to achieve success in their pursuits of scientific and technical research.

About IIT Indore
 Indian Institute of Technology Indore (IIT Indore) is a prestigious institution in the state of Madhya Pradesh, established in 2009. The Department of Biosciences and Biomedical Engineering (BSBE) at IIT Indore applies scientific and engineering approaches to advance fundamental understanding and applications in biology and biomedical engineering. The mission of BSBE is to have an international influence, develop future leaders in the field of biosciences and bioengineering, and foster an environment conducive to the successful pursuit of academic activities in research and education.

Course Details
 This workshop will revolve around acquainting the enthusiastic participants with advanced analytical instruments such as Gas Chromatography, High-Performance Liquid Chromatography, UV-visible Spectrophotometer, Scanning Electron Microscopy and Confocal Microscopy required for varying applications such as therapeutic, nano-biotechnology and environmental engineering. This active learning and training workshop is designed to provide theoretical and practical knowledge of handling photosynthetic microbes in laboratories along with the working of high-end instruments by expert researchers and scientists from premier organisations in India.

Course Faculty

 Dr. Kiran Bala Associate Professor, Department of BSBE, IIT Indore.	 Dr. Hem Chandra Jha Associate Professor, Department of BSBE, IIT Indore.	 Dr. Parasharam M. Shirage Professor, Department of MEMS, IIT Indore.
 Dr. Abhijeet Joshi Associate Professor, Department of BSBE, IIT Indore.	 Dr. Pritam Sangwan Scientist E & Joint Director, Centre for Fire, Explosive & Environment Safety (CFEES), DRDO, New Delhi.	 Dr. Hamendra S. Parmar Assistant Professor, School of Biotechnology, DAVV, Indore.

Course Topics

- Microbial isolation and identification (Microalgae, cyanobacteria and purple-bacteria)
- Algal Cultivation systems in photo-bioreactors and open ponds
- Genomic DNA isolation and alkali lysis buffer methods
- Characterisation and analysis of biomass and bio-products
- Light microscopy, confocal laser scanning microscopy and scanning electron microscopy for structural analysis of microorganisms
- Chromatography techniques (GC-MS and HPLC)
- Spectroscopy based approaches (UV-Visible and FTIR spectroscopy)

How To Apply
 Applicants can fill the google form available by clicking on the below link or may proceed by scanning the following QR code:
<https://forms.gle/9Jv3FCUabZEB13cr8>


Who Can Apply
 Undergraduate, postgraduate students, early career researchers and faculties from academic institutions in India. The event will be physically conducted at IIT Indore.

Important Dates

- Last date of Application: **20th November 2022**
- List of selected candidates will be announced on: **21st November 2022**
- Workshop dates: **12th - 17th December 2022**

Course Registration Fees: INR 500/-
 Course Coordinator: **Dr. Kiran Bala**
 For any queries please contact:
Dr. Tonmoy Ghosh or Dr. Atreyee Ghosh
 Email ID: algalecotech@gmail.com

outside IIT Indore, Prof. Parasharam M. Shirage from IIT Indore, Dr. Abhijeet Joshi from IIT Indore, Dr. Manivannan Elangovan from DAVV Indore, Dr. Hem Chandra Jha from IIT Indore and Dr. Pritam Sangwan from DRDO, New Delhi.

14. IISc and INyas two-day workshop

DST-CPR, IISc and INyas jointly organised a two-day workshop (24th-25th June 2022) to deliberate on the strength and weaknesses of the research assessment process in India. Around 40 early and mid-career researchers (INyas members and alumni) attended the workshop.

The participants emphasised the need for reassessment of the assessment process taking into consideration the interdisciplinary and institutional contexts, better balance between quantitative and qualitative metrics, and inclusion of metrics that consider the impact of science on society.

RESEARCH ASSESSMENT IN INDIA
WHAT SHOULD STAY, WHAT COULD BE BETTER?

2 Days
40 Young researchers
4 Focus areas

HOW TO MAKE RESEARCH ASSESSMENT MORE EFFICIENT AND RESPONSIBLE?

- Adaptive assessment criteria**: Create adaptive assessment criteria based on disciplinary context. Different yardsticks are needed for different contributions - research, mentorship, teaching, administrative responsibilities, institute building, science outreach and science communication.
- Obsession over Journal Impact Factor is undermining research quality**: Repeated academic society journals might not be as high impact. Some international publishers may regularly publish high quality research, and need to reach importance.
- Contribution in a publication/project, not position in list of authors/PIs, should be considered**: Acknowledge and give due credit to all the authors in a publication based on their contribution instead of only to the first and corresponding authors.
- Crosstalk among granting agencies**: An avenue where panel members/replicability of study process across all national funding agencies.
- Equity and inclusion**: The ability in the assessment process to assess various challenges facing women scientists.

HOW TO INCREASE TRUST AND TRANSPARENCY?

- Diversity of peer review committee**: National and international peers including ones suggested by the applicants should be considered for process of assessment in all stages. This will also address issues related to conflict of interest in the selection committee.
- Open assessments, sharing detailed peer review feedback**: with the candidates, and disclose the reviewers and review committee in the assessment and grant giving website. Online tracking of papers should be made available at each and every stage.
- Selections through external peer/expert review followed by internal vetting for recruitment and promotion**: National and international peers including ones suggested by the applicants should be considered for process of assessment in all stages. This will also address issues related to conflict of interest in the selection committee.
- Diversity of review committee**: Young scientists, cross-disciplinary experts, field practitioners/community members, and other relevant expert evaluations (e.g., industry) should be part of the review committee.
- Grants management**: Strengthening human resources in grants management teams and their capacity development. Research managers may be introduced in the system to make it more efficient, especially for faculty members who are having many projects.

WHAT SHOULD STAY, WHAT COULD BE BETTER?

- Few prestigious journals and awards**: In a given field should be three and considered for assessment. Legitimate awards should be identified by the institutions and only those should be considered for nomination/promotion.
- Forgoing a one-size-fits-all approach**: Assessment should be based on the field of research, track, field, and a different feasible level of output in terms of papers and patents.
- Assessment criteria should not be evaluator specific**: Having a clear and transparent process of assessment (including peer review, recall assessment, etc.) and guidelines for assessment of proposals and reports. Qualitative impressions for outstanding output shouldn't be vague.
- Publications beyond research articles**: Publications counts should go beyond research articles and consider other outputs, such as research, teaching, and training materials.

Additional points from the infographic:

- Open assessments, sharing detailed peer review feedback**: with the candidates, and disclose the reviewers and review committee in the assessment and grant giving website. Online tracking of papers should be made available at each and every stage.
- Diversity of peer review committee**: Inclusion of interdisciplinary stakeholders (industry, ex-academics, etc.) along with subject (academic) experts.
- Selections through external peer/expert review followed by internal vetting for recruitment and promotion**: National and international peers including ones suggested by the applicants should be considered for process of assessment in all stages. This will also address issues related to conflict of interest in the selection committee.
- Diversity of review committee**: Young scientists, cross-disciplinary experts, field practitioners/community members, and other relevant expert evaluations (e.g., industry) should be part of the review committee.
- Grants management**: Strengthening human resources in grants management teams and their capacity development. Research managers may be introduced in the system to make it more efficient, especially for faculty members who are having many projects.
- Adaptability in the assessment process**: The assessment process should be able to adapt to various institutional contexts and needs.
- Equity and inclusion**: The assessment process should be able to assess various challenges facing women scientists.

Key quotes from the infographic:

- "Diversity of peer review committee"
- "Publications counts beyond research articles"
- "Forgoing a one-size-fits-all approach"
- "Qualitative impressions for categorizing output shouldn't be vague"

Other points from the infographic:

- Open assessments**: with the candidates, and disclose the reviewers and review committee in the assessment and grant giving website. Online tracking of papers should be made available at each and every stage.
- Peer review process**: Inclusion of interdisciplinary stakeholders (industry, ex-academics, etc.) along with subject (academic) experts.
- Selections through external peer/expert review followed by internal vetting for recruitment and promotion**: National and international peers including ones suggested by the applicants should be considered for process of assessment in all stages. This will also address issues related to conflict of interest in the selection committee.
- Diversity of review committee**: Young scientists, cross-disciplinary experts, field practitioners/community members, and other relevant expert evaluations (e.g., industry) should be part of the review committee.
- Grants management**: Strengthening human resources in grants management teams and their capacity development. Research managers may be introduced in the system to make it more efficient, especially for faculty members who are having many projects.
- Adaptability in the assessment process**: The assessment process should be able to adapt to various institutional contexts and needs.
- Equity and inclusion**: The assessment process should be able to assess various challenges facing women scientists.

RESEARCH ASSESSMENT IN INDIA
WHAT SHOULD STAY, WHAT COULD BE BETTER?

HURDLES IN THE ASSESSMENT SYSTEM

- Lack of transparency in metrics of assessment policies/practices:** Lack of transparency in metrics of assessment policies/practices. A central theme across the workshop discussions also became a hurdle for researchers.
- Too frequent (annual) assessments:** Assessments need at least 1-2 years to show results (including the peer review).
- Following very stringent criteria based on a grant based system:** Hiring, research and administrative work becomes heavily biased towards those who have been able to secure their research grant. Metrics are often skewed in their favor.
- Assessment is heavily biased by past experience/publication records:** "Assessment is heavily biased by past experience/publication records"
- Too frequent (formal) assessments:** "Too frequent (formal) assessments"
- Too much stress on quantitative metrics:** "Too much stress on quantitative metrics"

GOOD PRACTICES FOR WIDER ADOPTIONS

- Focus on translational research:** The inclusion of priorities of researchers were highlighted on the basis of research in developing countries/underdogs. This is a clear shift of research focus on the ground reality scenario.
- External peer review with field relevant expertise:** External peer review with field relevant expertise for all assessment metrics is essential.
- Reviewing the first project's performance for future project application:** Reviewing the first project's performance for future project application. Faculty members like CSIR have participated in the assessment with confidence and have been able to secure grants for future projects.
- Department Chair positions to young faculty:** In the case of research, department chairs are often held by senior faculty members. This can be a barrier to young faculty members.
- Constructive comments communicated to applicants:** Constructive comments communicated to applicants. DPT/Division Chair can share their feedback with the applicant. This can be done with the help of young faculty members who can help in the communication of the project proposal to the applicant.
- A talk on future research goals by applicants:** A talk on future research goals by applicants. Young researchers and postdoctoral fellows can share their research goals with the assessment panel. This can be done through a talk on future research goals by applicants.

ACKNOWLEDGEMENT

This workshop is part of a series of activities conducted under the project "Revisiting the Current Practices in Research Assessment within Indian Academia" funded by DORA India Community Engagement/Grant.

Hosted by: The Department of Biotechnology, Indian Institute of Technology, Delhi. Hosted by: Indian Institute of Technology, Delhi. Hosted by: Indian Institute of Technology, Delhi.

Co-organizers: Indian Institute of Technology, Delhi. Co-organizers: Indian Institute of Technology, Delhi. Co-organizers: Indian Institute of Technology, Delhi.

Supporters: Indian Institute of Technology, Delhi. Supporters: Indian Institute of Technology, Delhi. Supporters: Indian Institute of Technology, Delhi.

15. Glostem and INYAS 7-day National Workshop-cum-Webinar on Genome Editing

Glostem and INYAS organised a 7-day National Workshop-cum-Webinar on Genome Editing. The event was held from June 27, 2022 to July 03, 2022 (6:00 pm to 8:00 pm) online.

NATIONAL WORKSHOP-CUM-WEBINAR ON GENOME EDITING
BASICS TO ADVANCED APPLICATIONS IN AGRICULTURE, PHARMA AND HEALTH SECTORS

JUNE 27-JULY 3, 2022
6.00 pm - 8.00 pm
Online

Organized by **Glostem**

CONFERENCE CHAIR: PROF. KD BANSAL, Secretary, NAAS, India
CO-CHAIR: PROF. YIPING QI, Univ. Maryland, USA

The Expert Faculty

CONVENER: KA MOLLA (ICAR-NRI, CUTACK), DT SINGH (ICAR, BANGALORE), KAVITA BABU (ICAR, NEW DELHI), D CHAKRABORTY (ICAR, NEW DELHI)

AGRICULTURE, HEALTHCARE & DIAGNOSTICS

- CRISPR Toolbox:** Too much to consider
- Guide RNA Designing:** Methods of avoiding off-targets, and checking the efficiency
- Genome Editing:** Investigations & Experiences with Plants, mammals, and other organisms
- CRISPR Cas9:** CRISPR Cas9 based Genome Editing

ONLINE REGISTRATION AT www.glostem.in

ALL DELEGATES ATTENDING THE WORKSHOP WILL GET PARTICIPATION CERTIFICATE

In association with **Indian National Young Academy of Sciences**

Glostem
NATIONAL WORKSHOP-CUM-WEBINAR ON **Genome Editing**
June 27-July 3, 2022
7 Day Online Workshop
Genome Editing as Investigated by the Researchers Themselves

About The Workshop

Since the discovery of the CRISPR-Cas9 based genome editing technology in 2012, the world is witnessing an unprecedented revolution in its use for various applications for genetic improvement and modification of various organisms. The technology enables the manipulation of targeted genes in a precise and efficient manner in many organisms and cell lines, and has become indispensable for all life science researchers globally, ranging from agriculture to pharma to health sectors.

In this 7-day online workshop, we will cover the basics of genome editing as investigated by researchers in different organisms including model plant species, *Drosophila melanogaster*, *Caenorhabditis elegans*, yeast, mammalian and stem cells, and elaborate on its application for sustainable agriculture, better nutrition, health benefits, and environmental sustainability. Future developments and directions of the emerging genome editing tools and technologies will also be discussed.

The faculty for the workshop is drawn from reputed national institutes like ICAR, Bangalore; NCBS, Bangalore; CSIR-IGIB, New Delhi; CSIR-CMIB, Hyderabad; IIT, Kharagpur; DBT-NABI, Mohali; DBT-NISER, New Delhi; ISER, Mohali; ICAR-IARI, New Delhi and ICAR-NRI, Cutack.

Who Should Attend

Scientists and researchers from Academia and Industry working in the field of Plant, Human, and Animal Biotechnology including Agricultural Biotechnology, Plant Genetics & Genomics, Plant Breeding, Crop Improvement, Disease Resistance, Stress Tolerance, Plant-microbe interaction, Functional Genomics, Transgenomics, Metagenomics, Molecular Biology, Pharmacogenomics, Personalized Medicine and Synthetic Biology.

Registration

Students & Research Scholars - INR 1500/-
Faculty & Scientists - INR 3000/-
Industry Scientists - INR 5000/-
Overseas Delegates - USD 200/-

Register Online at www.glostem.in

Best & Finest Experts | **Learn & Grow** | **Managed by Your Trusted Organizer**

- Includes Genome Editing investigations in model plant species, *Drosophila melanogaster*, *Caenorhabditis elegans*, yeast, mammalian and stem cells, and lots more.
- Experts will also elaborate on the application of Genome Editing for sustainable agriculture, better nutrition, health benefits and environmental sustainability.

Organized by **Glostem**
Delivering Excellence to the World of Science & Technology

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904725050 | www.glostem.in

16. Workshop on “Archaeological and Cultural Heritage Research using Remote Sensing and GIS technologies”

A week long workshop titled “Archaeological and Cultural Heritage Research using Remote Sensing and GIS technologies” was organised during July 18-22 2022. This programme had lectures, demos and hands-on session by experts. The topics covered were remote sensing and GIS for] archaeology, landscape morphology, optical/radar/lidar data applications to archaeology demonstrated through case studies. The participants in this workshop are the teaching faculty, researchers, and students from Universities across India; 30 of them have been selected from more than 100 applications received through an open call. Workshop was inaugurated by Dr.A.S.Kiran Kumar, Former ISRO Chairman, who gave a very inspiring inaugural address. We had guest lectures by Dr Shefali Agrawal of IIRS, Dehradun, Hrishikesh Kumar from SAC Ahmedabad, Dr Javed Malik from IIT Kanpur, Dr Ekta Gupta from IIT Gandhinagar and Dr Kuili Suganya; as well as members of NIAS faculty Dr.P.G.Diwakar and Dr.M.B.Rajani. Hands-on sessions were conducted by research associates (Aishwarya Mhaske, Gaurav Pal, Shubhi Mishra, Arya S Pradeep and Mythrayi Harshavardhan) of NIAS. The workshop ended with valedictory address by Dr. Shailesh Nayak, Director, NIAS, Bangalore.



17. 3D Landscapes at NIAS, Bangalore

Dr M. B. Rajani, INYAS has organized an event “3D Landscapes” at NIAS, Bangalore during March 21st to 25th, 2022 to train researchers in digital skillsets with hands-on sessions; to

expand the research community in the area of remote sensing and GIS analysis for heritage studies.






18. Science Awareness workshop on recent trends in healthcare research

Dr. Kalpana Nagpal has organized a Science Awareness workshop on recent trends in healthcare research at Vivekanand Auditorium, Gurugram Global College of Pharmacy, 5 KM Milestone, Kheda Khurampur, Farrukhnagar Gurgaon (Haryana)-12250. This workshop was targeted for B Pharmacy 3rd and 4th year students. There were following 5 speakers 1. Dr Pankaj K Baghel (Scientist-F, Inter-University Accelerator Centre, Delhi), 2. Dr. Charu Lata (Scientist, CSIR - National Institute of Science Communication), 3. Dr. Minkal Tuteja, (Associate Professor, Gurugram Global College of Pharmacy, Farrukhnagar, Gurugram), 4. Dr Veda Krishnan, Scientist, ICAR-Indian Agricultural Research Institute (Virtually) and 5. Dr Kalpana Nagpal (Associate Professor, Amity University, Noida).



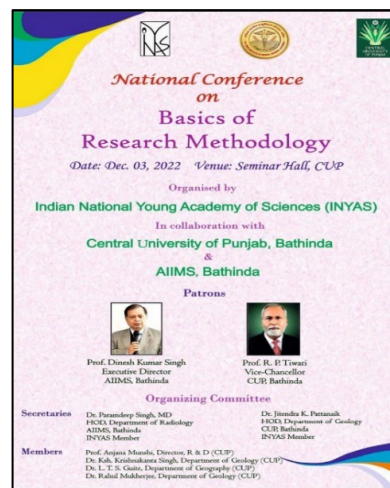
19. Fun with Electronics & Robotics workshop for school Students"

Eureka Science Club, Sindhudurga in collaboration with INyas, Mumbai Chapter organised "Fun with Electronics & Robotics workshop for school Students" - Workshop fully based on practical and innovative ideas. Two days basic electronics and robotics workshop was organized by Eureka science center, Sindhudurga at Vidya Niketan Convent School sindhudurga, Maharashtra in collaboration with INyas, Mumbai Chapter on 31st October and 1st November 2022. Mr Bhushan Pangam and his team guided the students. There were four sessions over two days. On 31st October 2022, 1st and 2nd session was taken for 1st to 4th standard students from 10:00 a.m. to 3:00 p.m. Electronics kits were given to the students in the group of two and they learnt function of resistance, LED, diode, sensor, magnetic sensor, buzzer, positive and negative terminal of battery etc. through hands on training. There were 50 students participated from different schools. They learnt concepts about how the water comes up with water pump using the circuit boards, touchless doorbell using IR sensor etc. The students also assembled different circuits. Many innovative ideas were also discussed with them. On second day, 1st November 2022, sessions were arranged for standard 5th to 10th standard students. There were around 85 participants. Students shared their many innovative ideas. Also, their queries were solved by Bhushan sir. Both sessions enjoyed by students and teachers.

 Eureka Science Club, Sindhudurg, Maharashtra <i>in collaboration with</i> Indian National Young Academy of Sciences (INyas), Mumbai Chapter		
Date: 31st Oct. 2022 10 am to 4 pm Fun with Electronics For STD- 1 st To 4 th Experiments based on Breadboard, LED, Resistors, Buzzer, Sensor, Motor, Switch	Date: 1st Nov. 2022 10 am to 4 pm Electronics & Robotics For STD- 5 th To 10 th Experiments based on Breadboard, LED, Resistors, Buzzer, Sensor, Motor, Switch & 4 different robots	
Resource person  Mr. Bhushan Pangam B.E. (I.E) (Eureka Science Club)	Workshop fully based on practical and Innovative Ideas Mode - Online / offline Registration link : https://forms.gle/B5ULva5ZGQGHcNwW7 Offline Venue: Vidyaniketan Convent School, Kasal, Sindhudurg, Maharashtra	
Organisers from INyas : Dr. Vivek Parkar, Dr. Jayavant Gunjekar from Eureka Science Club: Mrs. Sushama Keni		

20. Conference on basics of Research Methodology

A conference on basics of Research Methodology was organised by INYAS in collaboration with Central University of Punjab, Bathinda and AIIMS, Bathinda on 03 December 2022 in offline and online modes.



21. Empowering S&T with Women- A Step towards a New Era, at IIT Jodhpur

The workshop organized by Dr Ritu Gupta, during 19-20 April 2022, focused on an intriguing approach to promote gender parity towards sustainable scientific and technological development. This event will focus on all modern areas of Chemical, Life Sciences, Materials Engineering, including multidisciplinary areas. This unique gathering will offer the opportunity for women scientists from across the country to meet and engage in the exchange of ideas, build lasting networks and explore research collaboration. Consequently, it will create a roadmap for young women for their involvement in S&T and may generate an inspirational environment for those interested in pursuing their careers in STEM



22. “Build Future Science Enthusiasts with INYAS”

A three-day (November 26-28, 2022) workshop - “Build Future Science Enthusiasts with INYAS” organized by INYAS at physics department of IIT Delhi, in collaboration with NASI and INSA was well curated for the benefit of rural students in terms of fellowship guidance, exposure to upcoming technologies, visit to state of art facilities and hands on experiments. Seventeen students (10 boys and 7 girls) and three teachers from Swami Vivekanand School, Mundwa, Rajasthan attended the workshop. Day 1 started with registration followed by inaugural session, where Dr. Rajendra Dhaka (Chair, INYAS) highlighted the genesis of the

workshop and about INyas’s mandate as well as vision. Prof. Anurag Sharma (IITD), Vice President NASI interacted with students and delivered a motivational cum highlighting the importance of science promotion in higher education. The enthusiasm of students was at peak in the subsequent session, which was an interactive quiz on “Back to our roots and the science behind” by Dr. Charu Lata (CSIR-NIScPR). The third session was by Dr. Ali Haider on “Energy and society” where he touched upon the basics of nanotechnology. Second half of Day 1 started with briefing on “Rural to robotics” by Prof. S. K. Saha (IITD) followed by visits to RuTAG and robotics lab. Students got opportunity to see the need-based innovations developed at IIT-Delhi under RuTAG and robotic program. Day 1 ended with a visit to Biogas and waste to wealth lab of Unnat Bharat Abhiyan (UBA) by team members of Prof. Vivek Kumar (CRDT, IITD). Day 2 started with interaction with Dr. Umesh Sharma (DST-INSPIRE) and Dr. Akhilesh Mishra (DST), where they discussed on various fellowship opportunities for students. Day 2 was focused on hands on experiments like accelerator demonstration by Dr. Pankaj (IUAC Delhi), Superconductivity, battery, shape memory by Dr. Rajendra Dhaka (IIT Delhi) and group, wonders of biology - DNA isolation, foldscope by Dr. Rohini Garg (Shiv Nadar IoE) and Chemistry of nutrition - natural indicators and pH, nutrients for health by Dr. Veda Krishnan (ICAR-IARI). Day 2 ended with visit to national science center. Day 3 was dedicated for visiting the state of art facilities at ICAR-IARI. Dr. Veda Krishnan and Dr. Shivani (IARI-Physiology) showed and explained various instruments in the discovery center on genomics. Further Dr. Rajiv Ranjan (IARI-Agri. Physics) assisted in visiting and explaining Discovery Centre-Drone and big Data analysis. Students actively discussed on various agriculture-based applications of drones. Further the visit was continued to IARI-Phenomics facility and Dr. Sudhir (IARI-Physiology) explained in detail on sensor-based phenotyping of plants for various research applications. The workshop ended with a valedictory session where winners of quiz were rewarded, certificates were distributed, and science kits were also provided for school to use in further motivating students into STEAM.



23. Workshop on "Green Energy Harvesting and Storage: Materials, Methods and Applications"

IACS and INyas conducted a SERB-sponsored workshop on "Green Energy Harvesting and Storage: Materials, Methods and Applications" at IACS from November 16-22, 2022. This workshop was specially designed for Masters' and PhD students.

Invited Speakers	 Prof. D D Sarma (IISc Bangalore)	 Prof. Amitava Patra (INST Mohali)	 Prof. Indra Das Gupta (IACS Kolkata)
	 S M Shivaprasad (JNCASR Bangalore)	 Prof. Abhishek De (IACS Kolkata)	 Prof. Sombrata Acharya (IACS Kolkata)
	 Prof. Narayan Pradhan (IACS Kolkata)	 Prof. Sabastine Peter (JNCASR Bangalore)	 Prof. Vivek Palitosh (TIFR Mumbai)
	 Prof. Ayan Dutta (IACS Kolkata)	 Prof. Arnab Dutta (IIT Mumbai)	 Prof. Mukesh Kumar (IIT Ropar)
	 Prof. C S Sharma (IIT Hyderabad)	 Prof. Ritu Gupta (IIT - Jodhpur)	 Dr. Ramendra S De (INST Mohali)
	 Dr. Y. S. Chaudhary (CSIR-IMMT)	 Dr. Mahesh Kumar (CSIR-NPL)	 Dr. Shubdeep Dutta (IACS Kolkata)
	 Dr. Urmimala Maitra (IACS Kolkata)	 Dr. KDM Rao (IACS Kolkata)	 Dr. Praveen Kumar (IACS Kolkata)
Organizers	Convener: Dr. Praveen Kumar		Organizing Team Prof. Narayan Pradhan Prof. Ayan Dutta
			Dr. Subhdeep Dutta Dr. KDM Rao Dr. Urmimala Maitra
<p>Important Dates: Registration opens: October 15, 2021 last date for registration: October 28, 2021. Display of shortlisted candidates: October 31, 2021</p>			
			




November 16 – 22, 2022



**Raman Hall,
Indian Association for the Cultivation of Science, Kolkata**

SPECIAL DAY CELEBRATIONS

24. National Science Day Celebration jointly organized by INYAS and INSA

INYAS and Indian National Science Academy (INSA) jointly organized the National Science Day Program on February 28, 2022, online mode from 10:00 am - 12:00 pm. Dr A S Kiran Kumar, Former (Former Chairman, ISRO - Indian Space Research Organization) has delivered a public lecture on "Harnessing an Emerging Technology: Is there a Lesson in India's Space Efforts?", Dr. Kiran Kumar shared Dr. Vikram Sarabhai's vision and discussed the landmark achievements of ISRO which include Astro sciences, Meteorology, disaster management and agriculture. He also spoke about prestigious missions like Chandrayaan and Mars Orbiter Mission during his tenure as Chairman and answered the curious minds on questions ranging from space debris to space tourism. Prof. Chandrima Shaha's (President, INSA) address on the "philosophy" of science. She highlighted that "discovery meets the prepared mind" and also mentioned the importance of science communication as a tool to open doors of global solutions. She mentioned that we should make every attempt to use science to make a better world than what we have inherited. Prof. Devang Khakhar (Vice President, INSA) gave a brief and impactful presentation and mentioned four recent discoveries; the 10-Billion-Dollar James Webb Telescope; the Tokomak; the glimpses of cure for HIV; 2-D polymeric ultra-strong material a great work and added that this holds tremendous promise. INYAS National Awards for Research Excellence were announced. The list of recipients of the award are

Best PhD Thesis in Natural Nanofibers for Societal Impact

Dr Sowmya Selvaraj, CSIR-SLRI Chennai

Best PhD Thesis in Carbon Nanomaterials

Dr Arthi Gopalkrishnan, IIT Hyderabad

Dr Sarigamala Karthik Kiran, IIT Bombay

Excellence in Nano Innovation Award

Dr Manas Rajan Panda, IIT Bombay

Dr Nitheesh M Nair, IIT Madras

Best PhD Thesis in Electrochemistry








Dr Shikha Khandelwal, IIT Gandhinagar

Dr Sahil Thareja, IIT Roorkee

Sir John Mason Interdisciplinary Research

Dr Nalini K., Cochin Univ. of Sci. & Technology

The new issue of INYAS Newsletter in different languages was also e-released on this occasion by Prof. Devang Khakhar. Vote of thanks was proposed by Dr. CM Nautiyal of INSA. INYAS takes this opportunity to congratulate to all the recipients of INYAS National Awards for Research Excellence 2021 in the five different categories. Thanks to all the award sponsors (Metrohm India Ltd., E-Spin Nanotech Pvt. Ltd., Sandip Patil, Sivaraman Karaikudi, Mudrika Khandelwal and Carbon Laboratory) for their support. We are also thankful to all the eminent jury members for maintaining the highest standards in selecting the winners.

<p>INYAS National Awards For RESEARCH EXCELLENCE 2021</p> <table border="1"> <tr> <td>Best PhD Thesis in Natural Nanofibers for Societal Impact</td> <td>Best PhD Thesis in Carbon Nanomaterials</td> <td>Excellence in Nano Innovation</td> </tr> <tr> <td>Applications Received: 07</td> <td>Applications Received: 29</td> <td>Applications Received: 19</td> </tr> <tr> <td>Finalists: 03</td> <td>Finalists: 04</td> <td>Finalists: 06</td> </tr> </table> <table border="1"> <tr> <td>Best PhD Thesis in Electrochemistry</td> <td>Sir John Mason Interdisciplinary Research</td> </tr> <tr> <td>Applications Received: 34</td> <td>Applications Received: 19</td> </tr> <tr> <td>Finalists: 06</td> <td>Finalists: 09</td> </tr> </table>	Best PhD Thesis in Natural Nanofibers for Societal Impact	Best PhD Thesis in Carbon Nanomaterials	Excellence in Nano Innovation	Applications Received: 07	Applications Received: 29	Applications Received: 19	Finalists: 03	Finalists: 04	Finalists: 06	Best PhD Thesis in Electrochemistry	Sir John Mason Interdisciplinary Research	Applications Received: 34	Applications Received: 19	Finalists: 06	Finalists: 09	<p>Congratulations</p>  <p>INYAS NATIONAL AWARD FOR RESEARCH EXCELLENCE 2021 Sir John Mason Thesis Award for Interdisciplinary Research</p> <p>Dr. Nalini K. Cochin Univ. of Sci & Technology</p>
Best PhD Thesis in Natural Nanofibers for Societal Impact	Best PhD Thesis in Carbon Nanomaterials	Excellence in Nano Innovation														
Applications Received: 07	Applications Received: 29	Applications Received: 19														
Finalists: 03	Finalists: 04	Finalists: 06														
Best PhD Thesis in Electrochemistry	Sir John Mason Interdisciplinary Research															
Applications Received: 34	Applications Received: 19															
Finalists: 06	Finalists: 09															
<p>Congratulations</p>  <p>INYAS NATIONAL AWARD FOR RESEARCH EXCELLENCE 2021 Best Ph.D. Thesis in the area of Carbon Nanomaterials</p> <p>Dr. Sarigamala Karthik Kiran IIT Bombay</p>	<p>Congratulations</p>  <p>INYAS NATIONAL AWARD FOR RESEARCH EXCELLENCE 2021 Best Ph.D. Thesis in the area of Electrochemistry</p> <p>Dr. Sahil Tharaja IIT Roorkee</p>															
<p>Congratulations</p>  <p>INYAS NATIONAL AWARD FOR RESEARCH EXCELLENCE 2021 Excellence in Nano Innovation Award</p> <p>Dr. Manas Rajan Panda IIT Bombay</p>	<p>Congratulations</p>  <p>INYAS NATIONAL AWARD FOR RESEARCH EXCELLENCE 2021 Best Ph.D. Thesis in the area of Electrochemistry</p> <p>Dr. Shikha Khandelwal IIT Gandhinagar</p>															
<p>Congratulations</p>  <p>INYAS NATIONAL AWARD FOR RESEARCH EXCELLENCE 2021 Best Ph.D. Thesis in the area of Carbon Nanomaterials</p> <p>Dr. Arthi Gopalakrishnan, IIT Hyderabad</p>	<p>Congratulations</p>  <p>INYAS NATIONAL AWARD FOR RESEARCH EXCELLENCE 2021 Excellence in Nano Innovation Award</p> <p>Dr. Nithesh M Nair IIT Madras</p>															

25. International Women’s Day Celebration

INyas celebrated the International Women’s Day Event on March 7, 2022 on a virtual platform at 5:00pm. Prof. Rohini Godbole (IISc Bengaluru) and Prof. Ram Ramaswamy (IIT Delhi) graced the occasion as Guests of Honour. INyas has taken several initiatives in recent years to encourage and empower young Women scientists. Continuing these efforts, we released a compendium of our women members and Alumni (Women in INyas, popularly known as WiNYAS) at this occasion. This year on the eve of International Women's Day, INyas organized a workshop for 50 registered early career researchers on Potential Strategies for Addressing the Gender Bias in Academia: The Focus on Indian Context.

Indian National Young Academy of Sciences (INyas)
invites you to join
International Women's Day Celebration
March 7 (Monday), 5:00-6:00pm
Guests of Honor

Prof. Rohini Godbole
IISc, Bangalore

Prof. Ram Ramaswamy
IIT Delhi

Highlight
Release of Compendium on WiNYAS Members & Alumni

Join us here: <https://youtu.be/Wuzx6FXs3Zs>

March 7 (Monday), 6:00-8:00 pm

A workshop for early career researchers on
Potential Strategies on Addressing Gender Bias in Academia: A Focus on Indian Context

Prof. Mangala Subramaniam
Purdue University

Only for registered participants

'We'
THE SCIENTISTS

26. Science Camp on International Day of Mathematics

The Department of Mathematics, NIT Nagaland celebrated the International Day of Mathematics on 14th March 2022 in association with the INyas – North East Local Chapter at St. Savio School Seiroozha and at Shekinah school Chumukedima. The day is also popularly known as Pi Day as 14th March in MMDD format is written as 3-14 which are the first three significant digits of the famous mathematical constant Pi. The event at St Savio school began with the welcome speech presented by the Principal St. Savio School after that Dr Manoj Kumar Patel (Coordinator, INyas – North East Local Chapter) and two mathematics scholars

Mr Himangshu Chakraborty and Mr Palash Nath deals the session have highlighted the relevance of the celebration and provided a glance of the day's events. They talked about interesting facts about general science and mathematics, also gave insights into the Mathematics and Science Olympiad and encouraged the young mind of schools toward mathematics and science education. The celebration gave an opportunity for the students to express their mathematical knowledge during the quiz in front of us. At the end of the event, some prizes were distributed to the meritorious students of both the schools



The event at Shekinah school on 1.00 pm began with the welcome speech presented by Principal Shekinah school, after that Dr. Manoj Kumar Patel (Coordinator, INYAS – North East Local Chapter) and two mathematics scholar Mr Laba Kr Das and Mr Gaurab Bardhan deals the session where highlighted the relevance of the celebration and provided a glance of the day's events. They talked on interesting facts about general science and mathematics, also gave insights of Mathematics and Science Olympiad and encouraged the young mind of schools towards the mathematics and science education. The celebration gave an opportunity to the students to express their mathematical knowledge during the quiz in front of us. At the end of the event, some prizes were distributed to the meritorious students of both schools.



27. “Invest in Our Planet”, Earth Day Celebration 2022

Dr Jitendra Kumar Pattanaik, INyas has organized a One-day program to observe "Earth Day 2022" on April 22, 2022 at the Central University of Punjab, Bathinda. There were the following 4 eminent speakers: 1. Padmashree Prof. Harsh K. Gupta, 2. Prof. Ashok Sahni, 3. Prof. Jyotiranjana S Ray, Director, NCESS, 4. Prof. Satish J. Sangode, Savitribai Phule Pune University, Pune. Almost 250 students from various levels (starting from high school to M. Sc. students) have attended this program. Various models, exhibitions and posters were also presented by the participating students.

Earth Day Celebration, 2022
'Invest in our Planet'
 on 22nd April, 2022
 Department of Geology
 Central University of Punjab, Bathinda
 School of Environment and Earth Sciences
 Sponsored by: Ministry of Earth Sciences (MoES)
 Supported by: IIC, CUPB & INyas

Patron
 Prof. R. P. Tiwari
 Hon'ble Vice Chancellor

Chief Guest
 Padmashree
 Prof. Harsh K. Gupta
 FTWAS, FNA, FNASc

Guest of Honor
 Prof. Ashok Sahni
 FTWAS, FASc, FNA, FNASc

Guest Speaker
 Prof. J. S. Ray
 Director, NCESS
 Trivandrum

Guest Speaker
 Prof. S. J. Sangode
 Savitribai Phule Pune University
 Pune

Events
 Popular Lecture • Model Presentation
 Poster Presentation • Expert Lecture
 Geological Exhibition

Venue: Seminar Hall (3rd Floor)
 Aryabhata Academic Block, CUPB

WEBINARS AND LECTURES

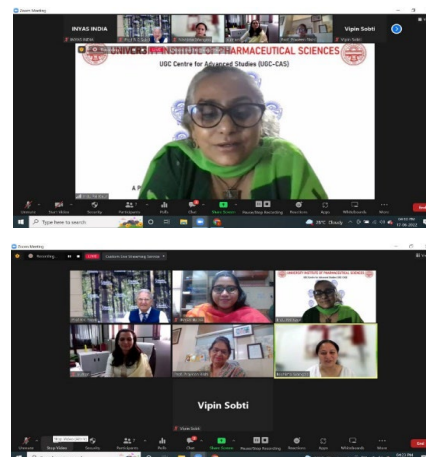
28. Med-Manthan (Webinar Series)

National and International health-related days are great opportunities to reflect, contemplate and raise awareness about important health-related issues and diseases. Such days also provide us with opportunities to demonstrate our advancements in medical sciences towards the management of the concerned health conditions to all the stakeholders: clinicians, researchers, medical students, patients and society at large. Med-Manthan is a webinar series proposed by the INyas-Kolkata Bhubaneswar chapter to celebrate such important health-related days through webinars by clinicians, researchers and/ or (extra) ordinary people who have championed the cause.



29. Webinar on WISE-Women in Science

Dr Nishima Wangoo in association with Panjab University, Chandigarh and the Association of Microbiologists has organized a Webinar on WISE-Women in Science on 17th June 2022. Professor Indu Pal delivered a talk.



30. A webinar series on “Advances in Materials Science and Engineering”

INYAS Kolkata Bhubaneswar chapter in association with Indian Institute of Metals Bhubaneswar chapter organized AMSE 2022: A webinar series on “Advances in Materials Science and Engineering”. In each session of AMSE 2022, one talk delivered by an expert and the other talk by a budding research professional about their most recent research work covering technological and societal aspects.

Advances in Materials Science and Engineering” (AMSE-2022) was organized by INYAS Kolkata Bhubaneswar chapter, in association with the Indian Institute of Metals Bhubaneswar chapter. Prof. Rabibrata Mukherjee from IIT Kharagpur and Miss. Prachi Rajput from CSIR-CSIO, Chandigarh were the speaker of first and inaugural session of AMSE-2022. The session was attended by more than 50 participants including participants from the neighbouring country, Bangladesh.









The poster for the AMSE 2022 webinar series features a background of a blue molecular lattice structure. At the top left is the INYAS Kolkata Bhubaneswar Chapter logo, and at the top right is the IIM logo. The main title reads "AMSE 2022: A webinar series on 'Advances in Materials Science and Engineering'". Below the title, the date and time are listed as "June 29, 2022, 05.00 PM". A Zoom logo is present next to the Zoom meeting details: "Join Zoom Meeting", "https://us02web.zoom.us/j/85339742779?pwd=bkQxM0pnR3JBa0F3aFRMK0xxQnZDUT09", and "Meeting ID: 853 3974 2779; Passcode: 699597". Two speakers are featured: Prof. Rabibrata Mukherjee, Professor at IIT Kharagpur, and Ms. Prachi Rajput, Senior Research Fellow at CSIR-CSIO, Chandigarh. At the bottom, the organizers are listed as Dr. Sriparna Chatterjee and Dr. Praveen Kumar.

31. Health Talks at UIET, Panjab University, Chandigarh

An awareness programme was organized by Dr Wangoo through an event “Health Talks” at UIET, Panjab University, Chandigarh on April 4, 2022. The event was meant to create awareness regarding common diseases.

32. Teach for Science Fellowship” program

INyas in collaboration with PRAYAS organised a talk series “TEACH FOR SCIENCE”, coordinated by Dr. Pooja Devi from INyas Chandigarh Chapter. INyas CH chapter members Dr Ramendra S Dey, Dr. Neha Sardana, Dr. Nishima Wangoo, Dr. Sughandha, Dr. Riffat John and Dr. Pooja delivered lectures in this series and interacted with UG/PG students. The series was started on 2nd July and ended up on 14th August 2022.

<p>PRAYAS Progressive Regional Association of Youth for Advancement of Sciences in association with INyas Indian National Young Academy of Sciences</p> <p>Materials in Optical Sensing of Water Pollutants</p> <p>Under Teach for Science Fellowship Program</p> <p>14TH AUG 2022 12:30 PM</p> <p>Register at : tinyurl.com/ifs-lecture</p> <p>Event Coordinators: Dr. Pooja Devi Core-Committee Member, INyas Dr. Bindhya Arora President, PRAYAS</p>  <p>Dr. Pooja Devi Principal Scientist CSIR-CSIO, Chandigarh</p>	<p>PRAYAS Progressive Regional Association of Youth for Advancement of Sciences in association with INyas Indian National Young Academy of Sciences</p> <p>Advancements in Biosensing and Drug delivery</p> <p>Under Teach for Science Fellowship Program</p> <p>30TH JULY 2022 4 PM</p> <p>Register at : tinyurl.com/ifs-lecture</p> <p>Event Coordinators: Dr. Pooja Devi Core-Committee Member, INyas Dr. Bindhya Arora President, PRAYAS</p>  <p>Dr. Nishima Assistant Professor UIET, P.C, Chandigarh</p>
<p>PRAYAS Progressive Regional Association of Youth for Advancement of Sciences in association with INyas Indian National Young Academy of Sciences</p> <p>How do plants respond to the environment</p> <p>Under Teach for Science Fellowship Program</p> <p>23RD JULY 2022 11 AM</p> <p>Register at tinyurl.com/ifs-lecture E-Certificates will be given to attendees</p>  <p>Dr. Riffat John Assistant Professor University of Kashmir</p>	<p>PRAYAS Progressive Regional Association of Youth for Advancement of Sciences in association with INyas Indian National Young Academy of Sciences</p> <p>Mathematics: Why to study?</p> <p>Under Teach for Science Fellowship Program</p> <p>16TH JULY 2022 2:30 PM</p> <p>Register at tinyurl.com/ifs-lecture E-Certificates will be given to attendees</p>  <p>Dr. Sugandha Maheshwary Assistant Professor IIT Roorkee</p>
<p>PRAYAS Progressive Regional Association of Youth for Advancement of Sciences in association with INyas Indian National Young Academy of Sciences</p> <p>“Metamaterials”</p> <p>Under Teach for Science Fellowship Program</p> <p>9TH JULY 2022 11 AM</p> <p>Register at tinyurl.com/ifs-lecture E-Certificates will be given to attendees</p>  <p>Dr. Neha Sardana Assistant Professor IIT Ropar</p>	<p>PRAYAS Progressive Regional Association of Youth for Advancement of Sciences in association with INyas Indian National Young Academy of Sciences</p> <p>“Nanoscience and Nanotechnology- Role of electrochemistry”</p> <p>Under Teach for Science Fellowship Program</p> <p>2ND JULY 2022 11 AM</p> <p>Register at tinyurl.com/ifs-lecture E-Certificates will be given to attendees</p>  <p>Dr. Ramendra S Dey Scientist D INST Mohali</p>

33. Awareness talk on the topic “Water Conservation”

As per the instructions of the Aligarh Muslim University and with reference to the letter received from Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation, Government of India, regarding “Jal Shakti Abhiyan: Catch the Rain Campaign - 2022”, Department of Physics, Aligarh Muslim University, Aligarh adopted and publicized the campaign. For the publicity of the campaign and in order to make “Jal Andolan”

a “Jan Andolan”, Department of Physics organized a public awareness talk on the topic “Water Conservation”. Prof. Mohd. Masroor Alam, Department of Civil Engineering, Aligarh Muslim University, Aligarh delivered a popular/public talk entitled “Water conservation” on 2nd July at 11:00 AM in the Conference Hall of Department of Physics. Prof. B. P. Singh, Chairperson, Physics Department, welcomed the Chief Guest, Prof. Mohd. Masroor Alam, Department of Civil Engineering, Aligarh Muslim University, Aligarh and all the faculty members as well as students. Professor Singh also introduced about the “Jal Shakti Abhiyan: Catch the Rain Campaign – 2022” and discussed about the importance of such programmes. Dr. Jai Prakash discussed the main features of the Jal Shakti Abhiyan-Catch the Rain Campaign-2022 and highlighted the national call to action for water conservation by the Government of India. He also talked about adoption and publicity of the last year campaign by Department of Physics through initiation a proposal to install a rain water harvesting system by collecting water from roof top of the department building and organization a webinar on the topic “Water conservation roof top rain water harvesting”. Prof. Mohd. Masroor Alam, Chief Guest and today’s speaker said- Water is the “Elixir of Life” and without water life is not possible. The earth has become a Living Planet, only because of oxygen, water and a bearable temperature regime.

34. “Advances in Materials Science and Engineering” 2022 - Second session

INyas Kolkata Bhubaneswar chapter in association with Indian Institute of Metals Bhubaneswar chapter organised AMSE 2022: A webinar series on “Advances in Materials Science and Engineering”. Sessions were delivered by an expert and the other talk will be presented by a budding research professional about their most recent research work covering technological and societal aspects. Speakers were Dr. H S S Ramakrishna Matte, Scientist, Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru and Dr. Kampara R. Kishore, Research Associate, CARBON LAB, Indian Institute of Technology Hyderabad.

<p>July 20, 2022, 05.00 PM</p>			<p>Join Zoom Meeting https://us02web.zoom.us/j/85651830140?pwd=aEhxRmtWZFcVU1WTGIOQ1lpajJlUT09 Meeting ID: 856 5183 0140; Passcode: 871267</p>
	<p>Dr. H S S Ramakrishna Matte Scientist, Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru</p>		<p>Dr. Kampara R. Kishore Research Associate, CARBON LAB, Indian Institute of Technology Hyderabad</p>
<p>Topic: Solution Processing of Low-dimensional Materials and Applications</p>		<p>Topic: Electrospun Nanofibers for Energy Environment and Healthcare Applications</p>	
<p>Organizers: Dr. Sriparna Chatterjee, CSIR-IMMT Bhubaneswar and Dr. Praveen Kumar, IACS Kolkata</p>			

35. Webinar on "How to communicate your research to media?"

It is becoming increasingly important to communicate our research to society to increase public awareness and for better scientific opportunities for scientists. There is still a gap between science and society in India. Media is a crucial bridge between society and science. INYAS Delhi NCR chapter organized an online workshop on "How to communicate your research to media?" on 30th July 2022 at 11 am. Dr Dinesh C Sharma, a renowned science

journalist was invited for a webinar followed by an interactive session among INYAS members/Alumni. Dinesh C Sharma is an award-winning journalist, author and media trainer with over 35 years' experience in reporting on science and technology, health and environment for national and international media outlets. He explained the ways to communicate to media and presented the basics of making press release etc. Dr. Veda Krishnan moderated the webinar. Dr. Rajendra Dhaka presented the INYAS activities and introduced the webinar and Dr. Kalpana Nagpal presented the vote of thanks. Dr. Meher Wan coordinated the event on behalf of Delhi NCR Chapter.

36. Vigyan Pe Charcha: A Bimonthly Lecture Series”

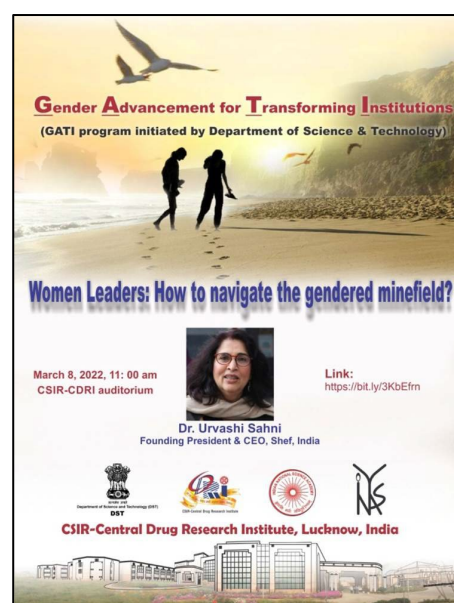
CSIO JIGYASA Team, INYAS, VIBHA Chandigarh and NASI Chandigarh collaborated and organized bimonthly lecture series “Vigyan Pe Charcha” for school students from 30th July

2022 onwards. Dr. Mahak, Dr. Pooja and Dr. K.K. Bhasin delivered lectures on CRISPR technology, contribution of Indian Scientists in Basic Science and Fascinating Aspects of Chemistry. Dr. Pooja (CC Member, INyas and Nodal, CSIO JIGYASA) conceptualized and coordinated the event.



37. Public lecture on Paediatric COVID

INyas-Lucknow-Kanpur (LKO-KNP) chapter organized public lecture on “Women leaders: How to navigate the gendered minefield” by Dr Urvashi Sahni on March 8th, 2022 jointly coordinated by CSIR-CDRI and CMO-Lucknow.



38. Webinar series on “Advances in Materials Science and Engineering”

Advances in Materials Science and Engineering” (AMSE-2022) was organized by INYAS Kolkata Bhubaneswar chapter, in association with the Indian Institute of Metals (IIM) Bhubaneswar chapter. Prof. Mallar Ray from School of Engineering and Sciences of Tec de Monterrey and Nipun Sharma from Indian Institute of Technology, Jodhpur, were the speakers of third session of AMSE-2022.



AMSE 2022: A webinar series on
“Advances in Materials Science and Engineering”

August 24, 2022, 05.00 PM

<https://us02web.zoom.us/j/81457973898?pwd=NmhVWzFYRnJNbG1uUEJSNEZVaUh6QT09>

Meeting ID: 814 5797 3898; Passcode: 680120

	<p>Prof. Mallar Ray School of Engineering and Sciences, Tec de Monterrey, Av. Eugenio Garza Sada 2501 Sur, Tecnológico, 64849 Monterrey, NL</p>		<p>Mr. Nipun Sharma, PMRF Scholar Nano sensors Research Group Indian Institutes of Technology Jodhpur</p>
<p>Title: A Journey to the World of Amorphous Carbon Nanostructures</p>		<p>Title: Functionalization of AlGaIn/GaN HEMT for Heavy Metal Ion Sensing</p>	
<p>Organizers: Dr. Sriparna Chatterjee, CSIR-IMMT Bhubaneswar and Dr. Praveen Kumar, IACS Kolkata</p>			

39. INYAS-DST SERB coordinated event on Energy and Sustainability

An outreach event was organized on 10th and 11th September 2022 on the theme: Energy and Sustainability as a part of Science and Engineering Research Board - SERB Scientific Social Responsibility and in association with INYAS Hyderabad chapter: 50 Navodaya Vidyalaya girls studying in Std XII and selected under Department of Science and Technology,




Government of India Vigyan Jyoti scheme spent two full days on IIT HYDERABAD campus visiting five research labs (including Carbon Laboratory) to see how we do research work related to sustainable energy apart from attending few interactive sessions in the morning. Amazing part of this day long visit was that there were so many questions and zeal to learn that schedule was extended by more than an hour. The presentations were made by Dr. CS Sharma, Dr. Mudrika Khandelwal, Dr. Priyanka Bajaj and the lab experiment demos were given by Dr. SSK Ravi, Dr. Arvind Regan, Dr. CS Sharma, Dr. Mudrika Khandelwal and their students as volunteers.




40. Lecture series on Nobel Prizes 2022 and Institutions Building and Nurturing Initiative in Independent India

INyas partnered with SPSTI, NASI, VP and IAPT in organizing annual noble prize lecture series and Institutions Building and Nurturing Initiative in Independent India. The first lecture in the noble prize series was conducted on October 22, 2022, and was delivered by Prof. Arvind, Vice Chancellor, Punjabi University, Patiala, on the Nobel Prize in Physics 2022. The Speaker delivered his talk in vernacular to facilitate its easier comprehension by Punjabi & Hindi speaking students. The Guest of Honour in this lecture was Dr. Jatinder Kaur Arora, Executive Director, PSCST and Member Secretary, Punjab Biodiversity Board. Following this around 08 lectures were covered covering all subjects of noble prize in 2022. The another series covered eminent speakers talks on visions and initiatives of the institutions for Independent India.

Lecture Series on Nobel Prizes 2022
Online Expository Lecture on Nobel Prize in Physics 2022
Quantum Information Processing: Entangled States from Theory to Technology

SPEAKER

Prof. Arvind
 Emeritus Quantum Physicist
 Vice Chancellor
 Punjab University, Patiala

GUEST OF HONOUR

Dr. Jatinder Kaur Arora
 Executive Director, Punjab State Council for Science & Technology & Member Secretary Punjab Biodiversity Board

Saturday
October 22, 2022
11:00 AM

The Speaker would deliver his talk in vernacular to facilitate its easier comprehension by Punjabi & Hindi speaking students

Joining Details:
Saturday, October 22 2022
at 11:00 AM

Meeting ID: 826 160 1295
 Passcode: spsti


Organized by
 Society for Promotion of Science & Technology in India (SPSTI) in association with
 Chandigarh Chapter of National Academy of Sciences India (NASI)
 Chandigarh Chapters of INSA & INYAS
 Indian Association of Physics Teachers (IAPT)


Organized under Science Communication Popularization & Its Extension in Punjab (SCOPE) Program Initiated by Punjab State Council for Science & Technology (PSCST) with support from Vigyan Prasth.

www.spsti.org | Email: info@spsti.org | Helpline: 98132-55855

Webinar

Lecture Series on Nobel Prizes 2022
Expository Lecture on
Nobel Prize in Literature - 2022

SPEAKER

Prof. Pushpinder Syal
 Department of English & Cultural Studies
 Panjab University, Chandigarh

GUEST OF HONOUR

Prof. M. Rajivlochan
 Department of History
 Panjab University, Chandigarh

Saturday, October 29, 2022
11:00 AM (IST)

Meeting ID: 826 160 1295
 Passcode: spsti

The Nobel Prize in Literature 2022 was awarded to Annie Ernaux "for the courage and clinical acuity with which she uncovers the roots, estrangements and collective restraints of personal memory".

Organized by
 Society for Promotion of Science & Technology in India (SPSTI) in association with
 Chandigarh Chapter of National Academy of Sciences India (NASI)
 Chandigarh Chapters of INSA & INYAS
 Punjab State Council for Science & Technology (PSCST)
 Indian Association of Physics Teachers (IAPT)

www.spsti.org | Email: info@spsti.org | Helpline: 98132-55855

75th Azadi Ka Amrit Mahotsav

Institution Building & Nurturing Initiatives in Independent India
 with Support from
 Haryana State Council for Science, Innovation & Technology (HSCSIT),
 Department of Science & Technology, Govt. of Haryana

INDIA @100: A BRIEF HISTORY OF THE FUTURE

SPEAKER

Prof. Ashutosh Sharma, FNA, FASc, FNASc, FNAE
 Institute Chair Professor, Dept. of Chemical Engineering
 IIT Kanpur
 Former Secretary, Department of Science & Technology, Government of India
 President-Elect, Indian National Science Academy (2023-2025)

GUEST OF HONOUR

Prof. S. Ramakrishnan, FASc
 Distinguished Emeritus Professor & Raja Ramanna Fellow, IISER Pune
 & Ex-Director, Tata Institute of Fundamental Research, Mumbai
 International Bessel Research Award of Fraunhofer Gesellschaft and Alexander von Humboldt Foundation, Germany (2003)

Saturday
August 13, 2022
11:00 AM

Joining Details:
Saturday, August 13, 2022
at 11:00 AM

Meeting ID: 826 160 1295
 Passcode: spsti

Organized by
 Society for Promotion of Science & Technology in India (SPSTI)
 Chandigarh Chapter of National Academy of Sciences India (NASI)
 Chandigarh Chapters of INSA & INYAS and PEC (Deemed to be University)

www.spsti.org | Email: info@spsti.org | Helpline: 98132-55855

75th Azadi Ka Amrit Mahotsav

Seventeenth Lecture in the Series
Institution Building & Nurturing Initiatives in Independent India
 with Support from
 Haryana State Council for Science, Innovation & Technology (HSCSIT),
 Department of Science & Technology, Govt. of Haryana

Quality Education: Changing Contexts

Saturday, July 09, 2022 at 11:00 AM

Speaker

Prof. S. S. Mantha
 Former Chairman,
 All India Council of Technical Education (2009-2015) &
 CEO, MAHARISHI Skill Knowledge Centre
 Govt. of Maharashtra

Guest of Honour

Prof. N. Sathyamurthy
 Founder Director (2007-17) and
 Honorary Professor, IISER Mohali

ABOUT THE SPEAKER
 Dr. S. S. Mantha, as Chairman of AICTE, implemented several e-governance initiatives and facilitating regulations in a six-year stint. Earlier, a Professor of Robotics, Control theory and AI at VJI Mumbai, he now occupies the Emeritus Chair. He has more than 200 publications in National and International Journals and Conferences besides authoring three books. He is the author of NVEQF, now renamed the National Skill Qualification Framework (NSQF). He was member, Karnataka Skill development Authority and advisor to Government of Andhra Pradesh. He was the Chancellor, KL University, Hyderabad for 3 years. Currently, he is an Adjunct Professor at the National Institute for Advanced Studies (NIAS), Bangalore and Chairman of Technical Committee, National Cyber Safety and Security Standards (NCSSS).

Saturday, July 09, 2022
at 11:00 AM

Meeting ID: 826 160 1295
 Passcode: spsti

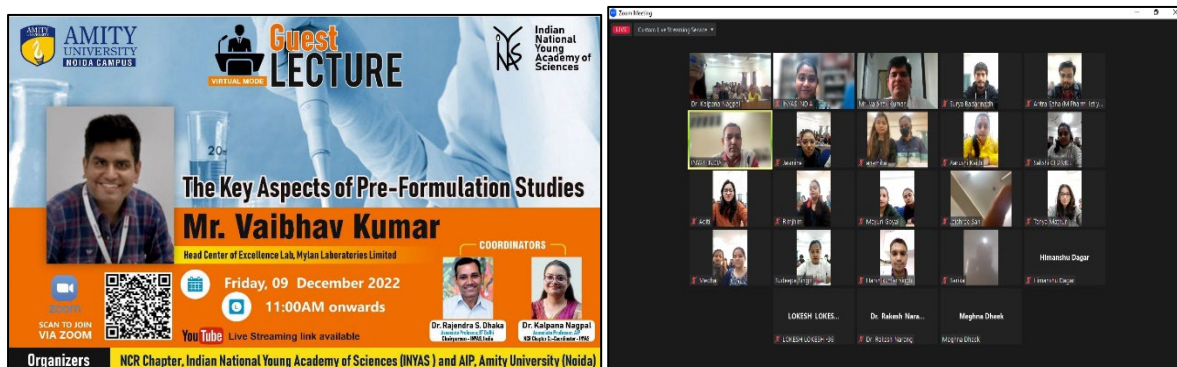
Organized by
 Society for Promotion of Science & Technology in India (SPSTI)
 Chandigarh Chapter of National Academy of Sciences India (NASI)
 Chandigarh Chapters of INSA & INYAS and PEC (Deemed to be University)

www.spsti.org | Email: info@spsti.org | Helpline: 98132-55855

41. Talk on 'The key aspects of pre-formulation studies'

An online Lecture on ‘The key aspects of pre-formulation studies’ was conducted by NCR Chapter of INYAS on Dec 9th, 2022, 11:00 AM-1:00 PM. The event started by welcoming the guests and participants. Chair INYAS Dr. Rajendra Dhaka introduced the audience about INYAS and the relevance of the topic of the session. Dr. Kalpana Nagpal, Co-coordinator NCR Chapter INYAS, introduced the speaker. The speaker, Mr. Vaibhav Kumar, Head, Center of Excellence Lab, Mylan Laboratories Ltd, very enthusiastically delivered his talk and

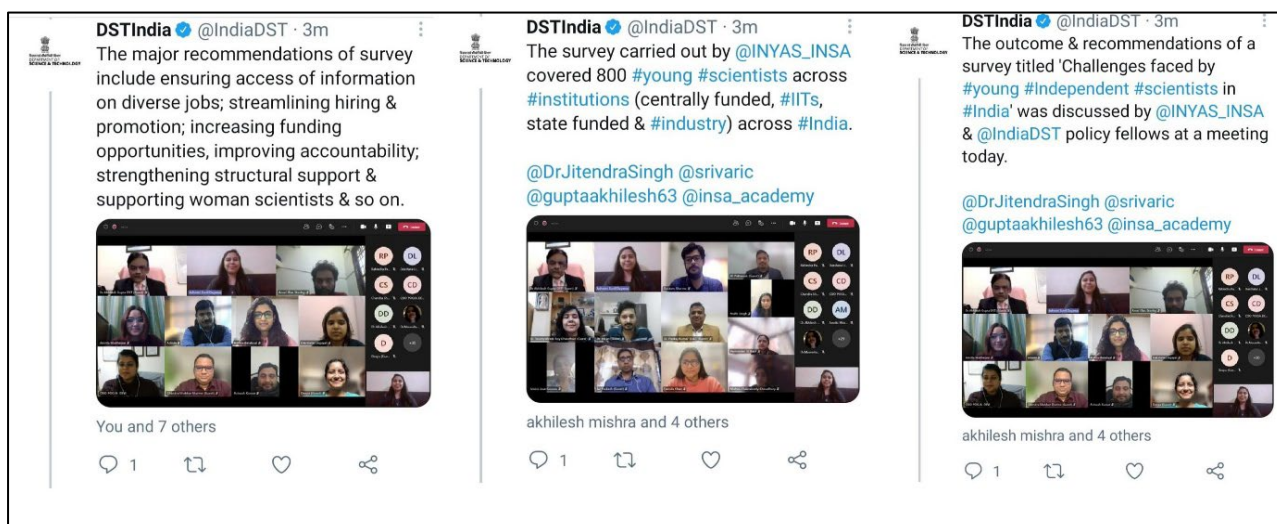
emphasized on the very relevant key points mentioning the importance of learning the topic. He discussed various real case studies faced by the pharmaceutical industry and their solutions. The students attended the session both online as well as in the offline mode in their classroom connected virtually with the speaker. This was followed by one to one interaction and question answer session by the students to the speaker. The resource person very patiently answered the queries related to this topic as well as mentored them for their career as fresher in pharmaceutical industry. The session ended after delivering a formal vote of thanks.



POLICY SESSIONS

42. INyas White Paper “Career Challenges for Young Independent Researchers in India” discussion with DST India


INyas organised white paper “Career Challenges for Young Independent Researchers in India” based upon national survey was well received by academicians as well as major scientific organisation of the country. In this direction, DST officials held a meeting with INyas to understand the recommendations received from the survey so as to further consider them for implementation in the DST programs. The meeting was held online on 8th February 2022.




43. INyas White Paper

One of the major objectives of INyas is to bring upon major issues and status of challenges faced by the young scientific force of the country and put forward their voice in form of opinions and recommendations. In this direction, INyas floated three national surveys covering post-docs, school teachers and underutilized workforce, listed below:

1. The Underutilized Workforce
2. Fate and Future of Postdoctoral Fellow working in India
3. Support for Science Teaching in Indian Classrooms



**Indian National Young Academy of Science (INyas),
INSA, New Delhi**

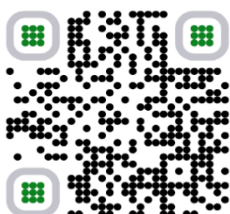


Indian National Young Academy of Sciences (INyas) is the first and only recognized young scientist academy of India. INyas promotes Science education and networking among young scientists at National as well as International level. INyas is attempting a survey to explore

- (i) reasons for trained personnel not working presently
- (ii) motivation for working beyond the retirement age
- (iii) identify challenges, trends and gaps and propose recommendations for positive change

The underutilized workforce: A digital survey

for trained personnel (Masters / PhD's / Post Retirement professionals) who can be useful workforce





<https://inyas.in/>
<https://tinyurl.com/3sxptfs>




*Read the terms and condition before filling the survey




This survey is developed to explore reasons why several trained personnel are currently not working as well as the motivation for working beyond the retirement age. Through this survey, and other measures, we would like to identify challenges, trends and gaps and propose recommendations for a positive change.


Post-doctoral researchers are the critical class of trained workforce for any country's STI growth. In this direction, INyas is committed to helping this community by providing those necessary funding opportunities, skill training, awareness about job opportunities, and many other relevant points through its flagship "PRAYOJAN" program. Moving further, INyas has prepared a structured questionnaire and is conducting a national survey with post-doctoral and/or early career researchers to project their status, challenges, and viewpoints/expectations for having an ecosystem of "Brain Pool" in the country. The survey is focused on the reality check of facts and figures of postdoctoral fellowships in India and the survey outcome will

Digital Survey for Fate and Future of
Postdoctoral Fellow Working in India








Take part in this survey and
contribute in shaping future India

Scan the QR Code and take the survey



Or Click the Link <https://tinyurl.com/3dt7d7db>

be shared with all participants and policymakers, including all national funding agencies.

The third white paper, “Support for Science Teaching in Indian Classrooms”, is aimed at identifying teachers' needs and corresponding requirements of the infrastructure. Improving science education at the school level is crucial for the development of science and technology and for the development of a rational democratic society. However, several reports and research papers suggest that there is much scope to improve the condition of science education in India. For example, in the Program for International Student Assessment (PISA), India ranked 72nd out of 73 countries in 2009, after which it did not participate in this program. This condition can be improved by providing essential infrastructure such as laboratories and computers in the schools and extending appropriate support for teachers.

44. INVAS Participation in National Survey for Empowering Young Scientists with PSA office

INVAS participated with PSA office and IIT BHU for a national digital survey to empower young scientist for obtaining suggestion and inputs to formulate a policy document for the young scientists. The survey received a huge response of around ~1800 respondents and is further under analysis.

Office of the Principal Scientific Adviser to the Government of India

Digital Survey for Empowering Young Scientists (EYS) of India for obtaining suggestions and inputs to formulate a policy document

Take part in the EYS Survey and contribute in shaping the future of young scientists in India

Empowering Young Scientists of India: A Questionnaire

Scan the QR Code to take the survey *

Click on <https://tinyurl.com/54hv938w>

* Read the Terms and Conditions before filling up the Survey

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SCIENCE POPULARIZATION

45. Science Camp-Gargoti

Science Camp-Gargoti was organized by the Indian National Young Academy of Science (INyas) in association with D. Y. Patil Education Society (DYPEC), Kolhapur on 8th - 9th Mar 2022 at (Dr D.Y. Patil Shikshanik Sankul, Gargoti, Dist. Kolhapur. About 700 students from the 7th to 9th standards classes have participated in the children’s science congress. The day of Science Camp was started with an inaugural function by Prof. K. Y. Rajpure and talks by Dr J.L. Gunjekar, Dr. U.M. Patil on “home-made batteries and electromagnetic induction with hands-on-training”. In the afternoon section Lectures on Adolescent female Health and Cardiopulmonary resuscitation (CPR) with hands-on were given by the medical doctor’s team. On 9th Mar the hands-on training on scientific toys from trash and the principle of telescope with sky observation was arranged.


The students were enlightened by experiencing the concept of homemade batteries, magnetic induction, Adolescent female Health, Cardiopulmonary resuscitation (CPR), scientific toys, and sky observation, etc.




46. Demystifying the Science Olympiad

Dr Arnab Dutta and his team organized a science camp on “Demystifying the Science Olympiad at IIT Bombay from 10-11th June 2022. The main aim of this event was to encourage rural students for international science Olympiad tournaments. There were 20 student participants from Classes 9-12.






INyas Mumbai Chapter Event



Demystifying Science Olympiad

Organized by
Indian National Young Academy of Science (INyas), Mumbai Chapter

In association with
Indian Institute of Technology Bombay (IITB)
Science and Engineering Research Board (SERB)



June 10-11, 2022

Venue
IIT Bombay, Maharashtra

47. "Vigyan Mela" at Bribangra, Kaithal (Haryana)

Indian National Young Academy of Sciences Organized a "Vigyan Mela" event on 3rd September 2022 at Bribangra, Kaithal (Haryana) in association with the Society for Promotion of Science and Technology (SPSTI) and the CSIO JIGYASA team. The event showcased several experiments live as well as in a mobile science van to the students to create interest and remove their fear of science. Lectures on career counselling and about Indian scientists were also given. Around 250 school students and 100 villagers attended the event. A quiz competition was also conducted and winners were given the certificates and prizes.



आयोजन भारतीय राष्ट्रीय युवा विज्ञान अकादमी का विज्ञान मेला

भ्रांतियों को विज्ञान से किया दूर

संवाद न्यूज एजेंसी

राजौंद। गांव बीर बांगड़ा के सरकारी स्कूल में भारतीय राष्ट्रीय युवा विज्ञान अकादमी की तरफ से विज्ञान मेला आयोजित किया। इसमें विद्यार्थियों को विज्ञान की सहायता से भ्रांतियों को दूर किया। कार्यक्रम का उद्देश्य बच्चों में विज्ञान के प्रति रुचि पैदा करना था।

इस दौरान विज्ञान एवं प्रौद्योगिकी विभाग दिल्ली के सौजन्य से विज्ञान बस मेले में पहुंची। कार्यक्रम में वैज्ञानिक डॉक्टर पूजा शर्मा का ग्रामीणों ने भव्य स्वागत किया।

विद्यालय के सभी विद्यार्थियों को उनके विषय से संबंधित प्रयोग कराए। इसमें अमल क्षार को पहचानना एटीडीएस मीटर ने पानी की गुणवत्ता को जांचना, रसायनों का प्रयोग करके हाथ में आग लगाना क्रिया बताई। साथ ही लोगों में



राजौंद में बच्चों को विज्ञान के प्रयोगों की जानकारी देती डॉ पूजा।

वैज्ञानिक सोच को विकसित करने के प्रयास किए। कार्यक्रम के अंत में विद्यार्थियों में प्रतियोगिता करवाई। जिसका सही जवाब देने वाले विद्यार्थियों को टी-शर्ट व प्रमाण पत्र देकर सम्मानित किया। इंजीनियर एमएल गर्ग ने विद्यार्थियों की करियर काउंसलिंग की। एसपीएसटीआई के प्रबंधक महिपाल शर्मा ने विद्यार्थियों को विज्ञान विषय के लिए प्रेरित किया। विज्ञान संचारक गुलशन चौरासिया, अमित कुमार ने कार्यक्रम में अहम भूमिका निभाई।


48. Science awareness camp for students

The Indian National Young Academy of Sciences (INYAS) and the department of physics of the Central University of South Bihar (CUSB) organised a science awareness camp in the Middle school of Pachhan village, Bodhgaya on 4th November 2022. The students of class 6 to 8 were targeted in this awareness program (Total 120 students). The major focus was on the promotion of science among children of rural areas so that they could figure out what they want to do in future if they were to choose these career options




SCIENCE AWARENESS CAMP

Organized by :-



Indian National Young Academy
of Sciences (INYAS)
&
Department of Physics, CUSB



Targeted Audience
Class 6 to 8 students

Speakers:-
Dr. Rohit Ranjan Shahi (INYAS member)
Dr. Vijay Raj Singh
Dr. Nitin Chandra

on
November 04, 2022

Venue:-
Middle School Pachhan, Gaya

Activities
Science awareness & Demonstration session

Students:-
Mrs. Priyanka Singh
Mr. Shashi Kant Mohapatra
Ms. Aradhana Kumari
Ms. Riya Dawn
Ms. Sanjukta Jena

49. Two days INYAS Science Camp - 2022

Two days INYAS Science Camp - 2022 during 16-17 December 2022 for 7th to 9th standard students was organised at D. Y. Patil Knowledge campus, Salokhenagar, Kolhapur, Maharashtra. It was jointly organized by Mumbai Chapters of INYAS and INSA, D. Y. Patil Education Society (DYPES), and D. Y. Patil Knowledge Campus, Salokhenagar, Kolhapur. Around 375 students from host school and nearby 10 schools have participated in this camp. The experimental kits prepared by the volunteers were distributed to each of the students and then they were arranged in two separate halls where parallel sessions were conducted on Chemistry, Physics and biology experiments over the two days. Exploring the microworld

through Foldscope, Daily life concepts in Chemistry and Physics were demonstrated and also given hands-on-training to the students. One-hour session on adolescent health issues was also conducted by medical doctors of D.Y. Patil Hospital, Kolhapur which helped the students to understand the physical and emotional changes that take place at their age and how to respond to these changes. The event concluded with a valedictory session where feedback from the students were taken and participation certificates were distributed. Teaching and non-teaching staff of the host school of D. Y. Patil Knowledge campus, Salokhenagar, Kolhapur have provided excellent hospitality and arrangements for the science camp. The event was conducted by Dr. Jayavant Gunjekar and Dr. Vivek Parkar from INyas Mumbai Chapter.



17 Dec 2022 15:50:24
INyas Science Camp,
D. Y. Patil Vidyaniketan CBSE School kalamba,
Kolhapur



17 Dec 2022 12:48:06
INyas Science Camp,
D. Y. Patil Vidyaniketan CBSE School kalamba,
Kolhapur



17 Dec 2022 15:15:04
INyas Science Camp,
D. Y. Patil Vidyaniketan CBSE School kalamba,
Kolhapur




16 Dec 2022 11:48:39
INyas Science Camp,
D. Y. Patil Vidyaniketan CBSE School kalamba,
Kolhapur


50. Vidnyan utsav-2022

Vidnyan utsav-2022 was organised by the INyas and Marathi Vidnyan Parishad, Gadhinglaj, Kolhapur during 14-17 December 2022 at various rural places in Kolhapur for class 7th to 9th school students. This combo event aimed to develop scientific attitudes and understanding of basic science among the rural area school children. Activities include included Science

experiment demonstrations (microscopic World), hands on training on Foldscope, Basic fun chemistry lecture and demo and Bird observation.



भारतीय राष्ट्रीय युवा अकादमी, मुंबई प्रभाग,
मराठी विज्ञान परिषद मध्यवर्ती मुंबई
आणि मराठी विज्ञान परिषद गडहिंग्लज, महाराष्ट्र
 यांच्या संयुक्त विद्यमाने



विज्ञानोत्सव २०२२

डिसेंबर २०२२ मधील नियोजित कार्यक्रम : **बाल वैज्ञानिक संमेलने, फोल्डस्कोप कार्यशाळा, गडहिंग्लज सायन्स सेंटर वर्धापन दिन व राष्ट्रीय गणित दिन**
 विज्ञानोत्सव २०२२ संपर्क : डॉ. एस. के. नेल्ले मो. ९६०४८१९८४३

बाल वैज्ञानिक संमेलने : १४ डिसेंबर ते १६ डिसेंबर २०२२

<p>वार व दिनांक : बुधवार, १४ डिसेंबर २०२२ ठिकाण : साधना हायस्कूल साधना माळ गडहिंग्लज. सकाळी : ८ ते १.३० विज्ञान दिंडी उद्घाटन व वैज्ञानिक व्याख्यान : प्रा. डॉ. सत्यवती रावळ शिक्षकत्व एम. एम. टी. टी. मंडळा विद्यापीठ मुंबई * हॅम रेडिओ दिग्दर्शन : मा. बसाम्या आरवोळे काली नैरेणिक, मुळी. * प्रयोग दिग्दर्शन : मा. सोनाली कथले हेले भवा विज्ञान शिक्षण केंद्र, मुंबई * विज्ञान गप्पा : मा. पी. एस. वंजारे, विज्ञान शिक्षक, पार्वती शंकर विद्यालय उजूर व इतार</p>	<p>वार व दिनांक : गुरुवार, १५ डिसेंबर २०२२ ठिकाण : सी. एस. मुंरवाडी हायस्कूल कळविकटि सकाळी : ८ ते १.३० पक्षी निरीक्षण * उद्घाटन व वैज्ञानिक व्याख्यान : प्रा. डॉ. के. वाय राजपुरे पंचिक हास विद्यालय प्रमुख विवाही विद्यापीठ, कोल्हापूर. * हॅम रेडिओ दिग्दर्शन : मा. बसाम्या आरवोळे काली नैरेणिक, मुळी. * प्रयोग दिग्दर्शन : श्री. शेताळे डी.एस. विज्ञान शिक्षक, यू.के.के.डी. स्कूल भोव * विज्ञान गप्पा : श्री. साखरे सी.एस. विज्ञान शिक्षक, इंदिरादेवी जाधव न्यू इंग्लिश स्कूल, मुंबई * आकाशदर्शन : श्री. सुरेश कुंभार विज्ञान शिक्षक, हेरबाळ. श्री. बाबाराहेब मगदूम कलेज अण्णासळ, निवानी</p>
<p>वार व दिनांक : गुरुवार, १५ डिसेंबर २०२२ ठिकाण : न्यू इंग्लिश स्कूल हेरबाळ-जलधाल सकाळी : ८ ते १.३० विज्ञान दिंडी उद्घाटन व वैज्ञानिक व्याख्यान : प्रा. डॉ. हेमराज महिपती यादव साधुगुज कलेज, वृहत् अर्थ वने साधुगुज अर्थ वने साधुगुज विद्यापीठ साधुगुज. * हॅम रेडिओ दिग्दर्शन : मा. बसाम्या आरवोळे काली नैरेणिक, मुळी * प्रयोग दिग्दर्शन : मा. सोनाली कथले हेले भवा विज्ञान शिक्षण केंद्र, मुंबई * विज्ञान गप्पा : प्रा. अनिल मार, डॉ. घाली महाविद्यालय गड. व इतार * आकाशदर्शन : श्री. बाबाराहेब मगदूम कलेज अण्णासळ, निवानी श्री. अरुण कुर्वेड्डी कलेज अण्णासळ, गडहिंग्लज</p>	<p>वार व दिनांक : शुक्रवार दि. १६ डिसेंबर २०२२ ठिकाण : इंदिरादेवी जाधव न्यू इंग्लिश स्कूल मूल. सकाळी : ८ ते १.३० विज्ञान दिंडी उद्घाटन व वैज्ञानिक व्याख्यान : मा. प्रा. विनाय र. र. विज्ञान प्रत्यक्ष पुणे, असे पुणेकर प्रान्त * प्रयोग दिग्दर्शन : मा. दिवक बी. आडगावकर एम. एम. विज्ञान प्रत्यक्ष, पुणे * विज्ञान गप्पा : मा. अनिल चव्हाण विज्ञान शिक्षक, अण्णासळ श्री साखरे सी. एस. विज्ञान शिक्षक, इंदिरादेवी जाधव न्यू इंग्लिश स्कूल मूल. * आकाशदर्शन : मा. अरुण कुर्वेड्डी कलेज अण्णासळ, गडहिंग्लज श्री. एम्. डी. येळ्ळुकर कलेज अण्णासळ, गडहिंग्लज</p>

गडहिंग्लज सायन्स सेंटर वर्धापन दिन विशेष कार्यक्रम

वार व दि. : शनिवार १७ डिसेंबर २०२२ वेळ : सकाळी १० ते सायं. ४.०० पर्यंत
कार्यशाळा : फोल्डस्कोपयुक्त सूक्ष्म वस्तूंच्या जगाची अनोखी सफर
आयोजक : भारतीय राष्ट्रीय युवा विज्ञान अकादमी, मुंबई प्रभाग आणि मराठी विज्ञान परिषद गडहिंग्लज,
मार्गदर्शक : मा. रमिण शैल वीरच संतोषन सल्लकर, टाटा सामाजिक संस्था मुंबई मा. अविनीस उरतस संतोषन सल्लकर, टाटा सामाजिक संस्था मुंबई

गडहिंग्लज सायन्स सेंटर ५ वा वर्धापन दिन कार्यक्रम

वार व दिनांक : शनिवार दि. १७ डिसेंबर २०२२, वेळ : सायं. ४.३० ते ६.३० पर्यंत
उद्घाटन व वैज्ञानिक व्याख्यान : मा. डॉ. ए. व्ही. रामे स्वल्पात काली वारी विद्यालय निवानी, धारदण्ड शाळा
प्रमुख उपस्थिती : डॉ. अजित वर्तक भूमेरासळ, पुणे , डॉ. विनायक पाटील मनासळ महामिळाला काली विद्यापीठ, मा. प्रकाश जोशी पुणे

राष्ट्रीय गणित दिन २०२२

दि. २२ ते २६ डिसेंबर २०२२ अखेर विविध ठिकाणी व्याख्यान, स्पर्धा, कार्यशाळा व पोस्टर प्रदर्शन

बाल वैज्ञानिक संमेलने - उजूर उपविभाग

वार व दिनांक : २९, ३० व ३१ डिसेंबर २०२२ **ठिकाण :** पार्वती शंकर विद्यालय उजूर
कार्यक्रम : विज्ञान दिंडी, उद्घाटन व वैज्ञानिक व्याख्यान, प्रकल्प सादरीकरण, विविध वैज्ञानिक दालने,
 वैज्ञानिक गप्पा, प्रगतशील शेतकरी पुरस्कार वितरण, आकाश दर्शन इ.

51. One-day training program under the INyas Rural Area Lectures-2022

Indian Himalayan Region is a global biodiversity hotspot comprises enormous diversity. The biodiversity of the region provides various livelihood options through diverse ecosystem goods and services. However, modern urbanization and climate change events has placed a huge pressure on the biodiversity of the region which ultimately affect the livelihood options of the people. Therefore, there is an urgent need to develop strategies and awareness for conservation and sustainable utilization of Himalayan biodiversity.

One-day training program under the INyas Rural Area Lectures-2022, was jointly being organized by Indian National Young Academy of Science and Garhwal Regional Centre, G.B.

Pant National Institute of Himalayan Environment, Uttarakhand on 20th December 2022 at Government Inter College, Rampur, district Rudraprayag, Uttarakhand. The program tried to strengthen science-based understanding on Himalayan biodiversity to promote its conservation and awareness among students/science teachers on relevant concepts.



52. Popular lecture series sponsored by Department of Biotechnology in collaboration with INVAS

Dr Rajib Deb, Senior Scientist, ICAR-National Research Centre on Pig, Guwahati, Assam & Member INVAS organized a popular lecture series from 21st -23rd Dec, 2022, sponsored by Department of Biotechnology, Government of India in collaboration with INVAS. On Dec 22, 2022, Dr. Upasana Ray, Deputy Head of the department of Infectious diseases and

immunology, CSIR- IICB, Kolkata & Alumni INYAS delivered a popular talk on “Role of biotechnology in development of new generation vaccine against diseases”. A total 355 students participated in this event.



RURAL OUTREACH PROGRAMMES

53. Farmers' Camp/Farmers' Field Day at Bandasahi, Kandhamal

Dr Dibyendu Chatterjee, INYAS, organized an event “Farmers' Camp/Farmers Field Day” at Bandasahi, Kandhamal on awareness cum training program on “Promotion of Natural and Organic Farming” on April 20, 2022

54. Farmers' Camp/Farmers' Field Day at Lankapada, Tirtol, Jagatsinghpur, Odisha

Dr. Dibyendu Chatterjee, INYAS with his colleagues from the National Centre of Organic Farming, Ghaziabad have organized a Farmers' Camp/Farmers' Field Day on April 25, 2022 at Lankapada, Tirtol, Jagatsinghpur, Odisha. The main aim of this camp was an awareness cum training program on “Promotion of Natural and Organic Farming”. About 40 progressive farmers, farm Women and local youths have attended this camp.



55. Rural area lecture in collaboration with Sumbal Degree College

INYAS conducted rural area lecture in collaboration with Sumbal Degree College. Speaker was Dr. Rajendra Singh Dhaka, Chair, INYAS on the topic “Materials Research for Present and Future Technology”.

INTERNATIONAL JOINT EVENTS

56. ACS Editors Meeting

“ACS Editors Meeting” is being organized jointly by the American Chemical Society (ACS), the Indian National Young Academy of Sciences (INYAS) and IIT Delhi on November 9th, 2022, from 4:30 PM to 6:30 PM.

Prof. Bryan Brooks [Baylor University, USA, Editor in Chief: ES&T Letters], Prof. Gregory Lowry, [Carnegie Mellon University, USA, Executive Editor: ES&T], and Prof. Wonyong Choi [Korea Institute of Energy Technology, Korea, Editor in Chief: ACS ES&T Engineering] attended the meeting.



57. NYAB conference

NYAB organized “International Colloquium on Authentic Scientific Publications from 14-15th July 2022, where Dr Rajendra Dhaka and Dr Sriparna Chatterjee were present as evaluator of student’s oral presentations.

58. Summer School on Skills Development for Scientific Writing

INYAS co-organized “Summer School on Skills Development for Scientific Writing” along with NYAB from 13-15th September 2022.

International Colloquium on Authentic Scientific Publications

14-15 July, 2022

Call For Abstracts

Components

- ❖ Demonstration of original research by students
- ❖ Guidance by experienced researchers for authentic publications
- ❖ Best presenter award

Disciplines

- ❖ Applied Sciences and Engineering
- ❖ Life Sciences
- ❖ Physical Sciences
- ❖ Social Sciences and Humanities

Eligibility

- ❖ Regular Students
- ❖ Early Career Researchers

Abstract submission Deadline
20th June, 2022
<https://nyabangladesh.org/ICASP22>

Venue:
Bangladesh University of Engineering and Technology (BUET)

Registration Fee 500 Tk
(only for colloquium materials, waiver available if requested)

Presentation modes: Oral via online platform, poster and others physical

For Further inquiries Prof. Mohammed Abdul Basith, President, NYAB,
Email: mbasith@phy.buet.edu, Cell Phone: +8801726341171

Summer School on Skills Development for Scientific Writing

Resource Persons

13-15 September, 2022

Organizers

Registration link:
https://nyabangladesh.org/summerschool_writing/

For further inquiries: Prof. Dr. Mohammed Abdul Basith, President, NYAB; Cell phone: +8801726341171

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CHAPTER EVENTS

1. INyas Delhi-NCR chapter

1. Rural Science Education and Training Utility Program (RuSETUP) (INyas Flagship Event) - Organized jointly by the Delhi NCR chapters of the Indian National Young Academy of Sciences (INyas), Indian National Science Academy -INSA , and The National Academy of Sciences, India (NASI) in the premises of Indian Institute of Technology Delhi, during July 9-10, 2022.
2. INyas Delhi NCR chapter organized an online workshop on "How to communicate your research to media?" on 30th July 2022 at 11 am.
3. An online Lecture on ‘The key aspects of pre-formulation studies’ was conducted by NCR Chapter of INyas on Dec 9th, 2022, 11:00 AM-1:00 PM.

2. INyas Hyderabad Chapter

1. An outreach event on the theme: Energy and Sustainability as a part of Science and Engineering Research Board - SERB Scientific Social Responsibility and in association with INyas Hyderabad chapter on 10 and 11th September 2022 at IITH campus.

3. INyas Chandigarh Chapter

1. INyas in collaboration with PRAYAS organised a talk series “TEACH FOR SCIENCE”, coordinated by Dr. Pooja Devi from INyas Chandigarh Chapter. The series was started on 2nd July and ended up on 14th August 2022.

4. INyas Kolkata Bhubneshwar Chapter

1. INyas-flagship programme Rural Science Education Training Utility Program (RuSETUP), members of the Kolkata-Bhubaneswar chapter successfully conducted an event themed on "Frugal Innovations: Impact on Rural Healthcare" on 02nd July, 2022 in an "in-person" mode at IIT Kharagpur.

2. Med-Manthan is a webinar series proposed by the INyas-Kolkata Bhubaneswar chapter to celebrate important health-related days through webinars by clinicians, researchers and/ or (extra) ordinary people who have championed the cause.
3. INyas Kolkata Bhubaneswar chapter in association with Indian Institute of Metals Bhubaneswar chapter organized AMSE 2022: A webinar series on “Advances in Materials Science and Engineering”.
4. INyas Kolkata Bhubaneswar chapter in association with Indian Institute of Metals Bhubaneswar chapter organised AMSE 2022: A webinar series on “Advances in Materials Science and Engineering”.
5. Advances in Materials Science and Engineering” (AMSE-2022) was organized by INyas Kolkata Bhubaneswar chapter, in association with the Indian Institute of Metals (IIM) Bhubaneswar chapter. Prof. Mallar Ray from School of Engineering and Sciences of Tec de Monterrey and Nipun Sharma from Indian Institute of Technology, Jodhpur, were the speakers of third session of AMSE-2022.

5. INyas Lucknow Chapter

1. INyas (LKO-KNP chapter) jointly with INSA (LKO chapter) organized public lecture on Pediatric COVID by Prof. Shally Awasthi (KGMU)
2. INyas (LKO chapter) volunteered in vaccination drive jointly coordinated by CSIR-CDRI and CMO-Lucknow

6. INyas North East Chapter

1. The Department of Mathematics, NIT Nagaland celebrated the International Day of Mathematics on 14th March 2022 in association with the INyas – North East Local Chapter at St. Savio School Seiroozha.

7. INyas Mumbai Chapter

1. Mumbai chapter of INyas and INSA have jointly organized INyas Flagship event "Rural Science Education and Training Utility Program (RuSETUP)" at Homi Bhabha Centre for Science Education (HBCSE), Mumbai during June 3-4, 2022.
2. Eureka Science Club, Sindhudurga in collaboration with INyas, Mumbai Chapter organised "Fun with Electronics & Robotics workshop for school

Students" - Workshop fully based on Practical and innovative Ideas Two days basic electronics and robotics workshop was organized by Eureka science center, Sindhudurga at Vidya Niketan Convent School sindhudurga, Maharashtra in collaboration with INYAS, Mumbai Chapter on 31st October and 1st November 2022.

3. Two days INYAS Science Camp - 2022 during 16-17 December 2022 for 7th to 9th standard students was organised at D. Y. Patil Knowledge campus, Salokhenagar, Kolhapur, Maharashtra.

AWARDS AND RECOGNITIONS

Name of INYAS member	Award
Dr. Sonu Gandhi	DST-Humboldt Foundation Travel Award for INDOGFOE Symposium at Bremen, Germany; ICAR-Panjabrao Deshmukh Award for Outstanding Woman Scientist, ICAR, New Delhi; Alexander Fleming Excellence Award by Biofootprints, AIIMS, Delhi
Dr. Mudrika Khandelwal	Science and Engineering Research Board - SERB Women Excellence Award.
Dr. Kalpana Nagpal	Haryana Yuva Vigyan Ratan Award.
Dr. Santosh Gupta	Tarun Datta Memorial Young Scientist Award by Indian association of nuclear chemists and allied scientists (IANCAS).
Dr. Upasana RayBanerjee (Alumnus, INYAS 2017)	Selected for Membership of the Global Young Academy this year.
Dr. Shankar Kousley	Selected for Membership of the Global Young Academy this year.
Dr. Neha Sardana	IEI Young Engineers Award.
Dr. Sudhanshu Shekhar Singh	P K Kelkar fellowship of IIT Kanpur, Excellence in Teaching Award 2022 by IIT Kanpur
Dr. Kalpana Nagpal, Dr. Durba Sengupta, Dr. Jiban Jyoti Panda, Dr. Kiran Bala and Dr. Nishima Wangoo and alumni Dr. Upasana RayBanerjee and Dr. Ranjini Viswanatha.	Got featured in a compendium on 75 Women Scientists as a part of Azadi ka Amrit Mahotsav: "She Is: 75 Women in STEAM"
Dr. Niti Kumar, Dr. Sonu Gandhi, Dr. Priyanka Bajaj, Dr. Chitashree Roy, Dr. Neha Sardana, Dr. Nishad Fatima, Dr. Rohini Garg, Dr. Upasana Ray, Dr. Shalini Gadhoke Arya, Dr. Dhanya, Dr. Pooja Sharma.	Got featured in a compendium of Indian Industries (CII) on "Women in STEM: Vanguards of India@75 Launched by Prof. Ajay Sood, PSA, GoI, India on 22 nd July 2022.
Dr. Rajib Deb	INSA Visiting Scientist Fellowship
Dr. Pranjal Chandra	The Indian Society of Chemists and Biologists (ISCB) young

	scientist award
Dr. Sonu Gandhi, Dr. Mohammad Ali Haider, Dr. Chirasree Roychaudhuri and Dr. Santosh Kuman Gupta	Selected as Members of The National Academy of Sciences, India (NASI)
Dr. Mohit Kumar Jolly	INSA Medal for Young Scientists, IIT Kanpur Young Alumnus Award, Editor-in-Chief, NPJ Systems Biology & Applications
Dr. Sriparna Chatterjee	Society for Materials Chemistry (SMC) Bronze medal-2022
Dr Santanu Mukherjee	SES Early Career Scientists Conference Award-2022 and Early Career Travel Grant by the The Geochemical Society (GS) and European Association of Geochemistry (EAG)-2022
Dr. M. S. Santosh	Chirantan Rasayana Sanstha-Silver Medal
Dr. Praveen Kumar	Advisory Panel Member, o Advisory Panel Member Nanotechnology (IOP); Selection in SCO Young Scientists Conclave; Fulbright-Nehru Academic and Professional Excellence Fellowships: Chair, Career Development Working Group, Marie Curie Alumni Association (MCAA).
Dr. Kutubuddin Molla	Received INSA medal for Young Scientist; Selected (through worldwide competition) as Assistant Features Editor for The Plant Cell journal
Dr. Anoop Mahajan	Ministry of Earth Sciences Young Researcher Award
Dr. Veerendra K. Sharma	Indian Physics Association (IPA)-Buti Foundation Award in 2022
Dr Rohini Garg	Selected to serve as a Judge for iGEM Competition 2022, held at Paris, France; Selected as member of Society of Plant biochemistry and biotechnology.
Dr Vivek Parker	Elected as Fellow of Maharashtra Academy of Sciences in the category of Physical Sciences in the year 2022 (2nd Dec 2022)
Dr Mukesh Kumar	Fellow, Institute of Physics (IOP), UK Nov-22 IOP, UK; JSPS Fellowship Dec-22, JSPS, Japan
Dr Dibyendu Chatterjee	Selected as Fellow of West Bengal Academy of S&T (WAST), Selected as Associate of NAAS,

INYAS IN PRINT

An article on INYAS written by Dr Rohini Garg was published in August 2022 issue of Vigyan Pragati.



विज्ञान लोकप्रियकरण विरोधात्

भारतीय राष्ट्रीय युवा विज्ञान अकादमी (इन्यास)

रोहिणी गर्ग

देश के युवा वैज्ञानिक अचरित हवा विचार के अतिरिचित हूँ जो कि अनुसंधान के अलावा उनका एक सामाजिक दायित्व भी है। 'वैज्ञानिक सामाजिक दायित्व' (Scientific-Social Responsibility), वैज्ञानिक समुदाय की सामाजिक भूमिका को रेखांकित करने की दिशा में अग्रणी की गई संस्कृति की अनोखी पहल है। भारतीय राष्ट्रीय विज्ञान अकादमी (इन्सा) की युवा वैज्ञानिक शाखा-भारतीय राष्ट्रीय युवा विज्ञान अकादमी (इन्सा) का मुख्य उद्देश्य युवा वैज्ञानिकों को विज्ञान लोकप्रियकरण द्वारा आउटरीच की ज़िम्मेदारियों को जोड़कर वैज्ञानिक अनुसंधान और विज्ञान शिक्षा को सहायक करना है।

इन्सा की स्थापना सितंबर 2014 में इन्सा द्वारा की गई थी। इन्सा की पहल में संस्थापक सदस्यों के रूप में इन्सा के वैज्ञानिक पत्र प्रकाशकों का काम किया। वर्तमान में, इन्सा में विभिन्न विषयों से 102 सदस्य हैं।

अपनी स्थापना के बाद से, इन्सा ने देश में रूढ़ी सदस्यों के लिए कई विज्ञान विचार और इन्सा के सदस्यों के व्यापक कार्यक्रम आयोजित किए हैं। 2022 की शुरुआत में, जब देश कोविड-19 महामारी की चरम में आया, तब उस मुश्किल दौर में इन्सा ने बहुत ही प्रतिक्रियापूर्ण रूप में विभिन्न पहलों को अपनाया और सभी स्तरों पर विज्ञान को संचालित करने तथा लोकप्रिय करने की दिशा में दृढ़ता प्रभावित थी।

इन्सा ने वर्ष 2021 में कई नई पहल शुरू की। 'सर्ज-अट' शीर्षक से एक नवसंस्था प्रतियोगिता का आयोजन 'वायवैसा' और 'वायवी' की राष्ट्रीय युवा अकादमियों के सहयोग से किया गया। पीएच.डी. शोधार्थियों के लिए राष्ट्रीय प्रतियोगिता, पीएच.डी. (PIVAC) के बसाव 'ग्यान्टेका' (GYANTEKA) वैज्ञानिक प्रतियोगिता शुरू की गई थी। टीककन के बारे में जानकारी प्रदान करने के लिए एक मंचावले COVACNEWS तैयार की गई थी। विभिन्न भाषाओं में एक निष्कर्ष-रसद रसदें भी तैयार किया गया था। स्वामी कई



इन्सा के विज्ञान लोकप्रियकरण पर सेंट्रल भारी कार्यक्रम

- अंतरराष्ट्रीय विज्ञान-ज्ञान (Sci-art) चित्र प्रतियोगिता (कलात्मक छवियों के माध्यम से वैज्ञानिक निष्कर्ष प्रस्तुत करने के लिए)।
- अनुसंधान उद्घोषणा के लिए इन्सा राष्ट्रीय पुरस्कार (एच. एम.एस. विद्यार्थियों के लिए)।
- सारांश (SARANSH) (3 मिनट की वीडियो प्रस्तुति प्रतियोगिता) (अंतर्राष्ट्रीय के साथ-साथ हिंदी भाषा में सभी पीएच.डी. विद्यार्थियों के लिए)।
- प्रयोजन (PRAYOJAN) (वेब-सीरीज) : अनुसंधान, अकादमिक और उद्योग के अंतर, विज्ञान प्रकाशित, अनुसंधान लेखन और नेटवर्किंग (वेब-सीरीज) (वेब-सीरीज) के लिए)।
- WISDm (वृत्तियों और महिला वैज्ञानिकों के लिए)।
- RUSTEP (ग्रामीण विज्ञान शिक्षा प्रसिद्धि कार्यक्रम) देश के ग्रामीण क्षेत्रों के रूढ़ी विज्ञानियों के लिए रूढ़ी विद्यार्थियों को अधिक व्यावहारिक शिक्षा प्रदान करने के लिए।

इन्सा ने सप्ताह परसे में लेख लिखे और आमजनता के बीच जागरूकता उत्पन्न करने के लिए टीककन का समर्थन करते हुए अपने विचार प्रस्तुत किए।

अनेक नई पहलों के माध्यम से इन्सा द्वारा युवा वैज्ञानिकों को देश और दुनिया के वैज्ञानिकों से जोड़ने का काम किया जा रहा है। इसके लिए, विज्ञान और इंजीनियरिंग के अग्रणी क्षेत्रों में युवा वैज्ञानिकों को प्रोत्साहन देने के लिए वर्ष 2018 में प्रधान वैज्ञानिक सलाहकार, भारत सरकार के कार्यलय के साथ नेशनल प्रोडियर्स ऑफ़ सॉल्यूटिंस के साथ सहयोग के साथ युवा विज्ञान अकादमियों के साथ सहयोगपूर्ण प्रयत्नों की शुरुआत की गई थी।

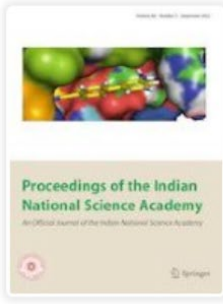
इन्सा, युवा शक्ति में विश्वास युवा विज्ञान अकादमियों के साथ सहयोगपूर्ण प्रयत्नों की शुरुआत की गई थी। इन्सा ने देश में विज्ञान शिक्षा को सहायक करने के लिए इन्सा एक मंच प्रदान करता है। हमारे सदस्यों ने देश भर के विभिन्न क्षेत्रों में विज्ञान शिक्षा और लोकप्रियकरण के व्यापक आयोजन किए हैं। इन्सा के माध्यम से, इन्सा द्वारा हिंदी सहित कई भारतीय भाषाओं में नवसंस्था, भारत, कोकणी, बंगाली, तेलुगु, गुजराती, तमिल, कन्नड़ी, कन्नड़, उडिया और अन्य प्रकाशन किए जाते हैं।

(ईमेल अनुसंधान: सुधी विद्या, पीएच.डी.आर-इन्सा)

डॉ. रोहिणी गर्ग, भारतीय राष्ट्रीय युवा विज्ञान अकादमी की चीफ़ सचिव हैं।
[ई-मेल: gargrohinia29@gmail.com]

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Fourth special issue of PINSA was edited by INYAS members Chandra Shekhar Sharma, Ashwini Ratnoo, Subbiah Alwarappan, Durba Sengupta, and Praveen Kumar was published in 19th Sep 2022 with 21 articles in this issue.



Volume 88, issue 3, September 2022

Special Issue of PINSA edited by INYAS

21 articles in this issue

Editorial

Subbiah Alwarappan, Chandra Shekhar Sharma ... Ashwini Ratnoo

Editorial | Published: 19 September 2022 | Pages: 241 - 242

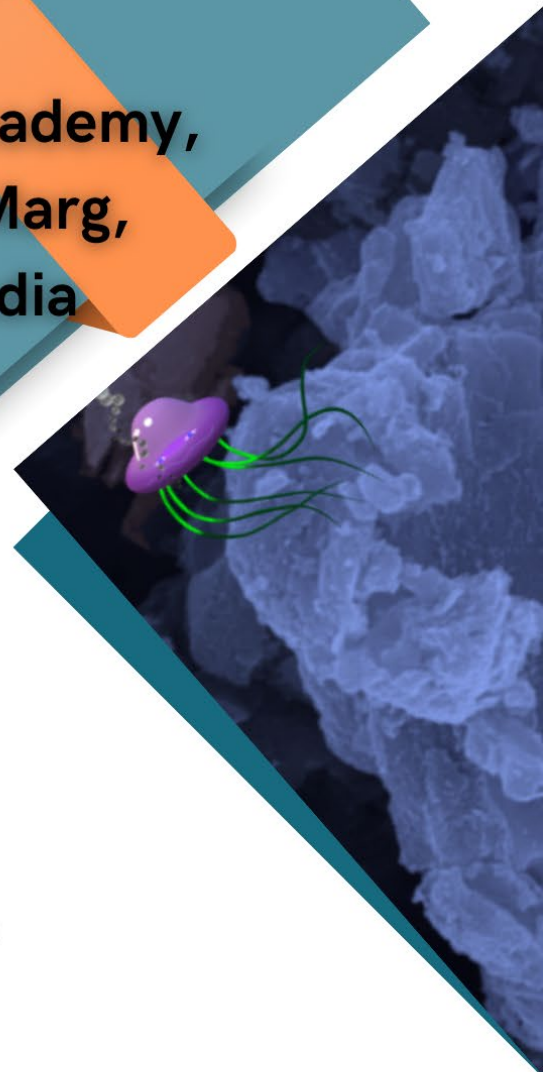
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Indian National Young Academy of Sciences
भारतीय राष्ट्रीय युवा विज्ञान अकादमी



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