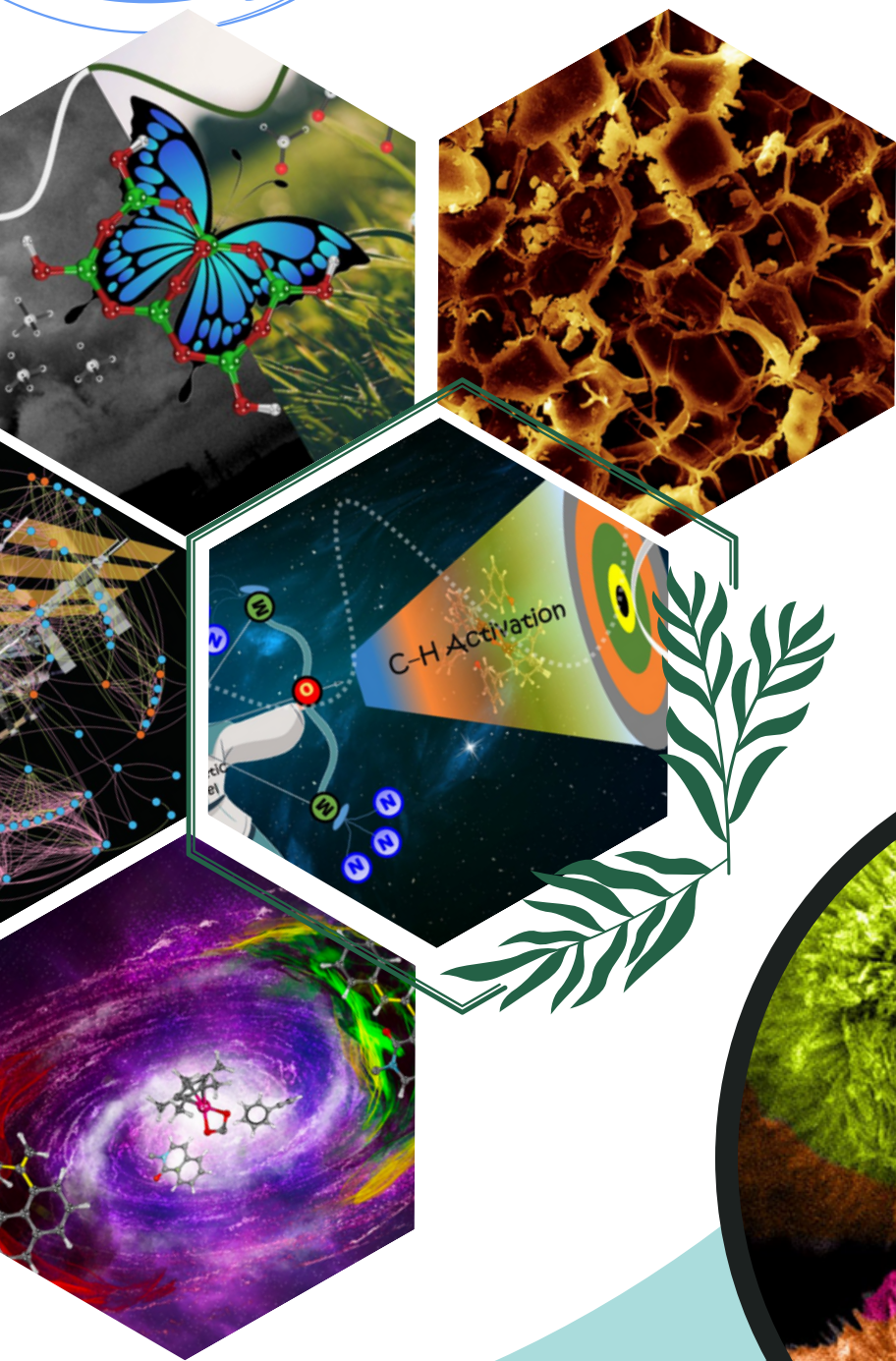


# Varshik Samacharpatra

# 2022

# INSA

Indian National Young Academy of Sciences  
भारतीय राष्ट्रीय युवा विज्ञान अकादमी



## CORE SAMITI



Dr. Rajendra Singh Dhaka  
IIT Delhi, inyasindia@gmail.com



Dr. Rohini Garg, SN University  
Gautam Budh Nagar



Dr. MB Rajani, NIAS,  
Bengaluru



Dr. Sripama Chatterjee  
CSIR-IMMT, Bhubaneswar



Dr. Pooja Devi, CSIR-CSIO



Dr. Sugandha Maheshwary  
IISER- Mohali



Dr. Dwijendra Narain Pandey  
IIT Roorkee



Dr. Veerendra Kumar Sharma  
BARC



Dr. Nishant Chakravorty  
IIT Kharagpur

## SAMPADAK



Dr. Priyanka Bajaj  
NIPER, Hyderabad



Dr. Rajib Deb  
ICAR-NRC on Pig, Guwahati



Dr. Rohini Garg  
Shiv Nadar IoE, UP



Translation into Roman Konkani  
Ramray Bhat,  
Associate Professor,  
Developmental Biology and Genetics  
Associate Faculty  
BioSystems Science and Engineering  
Indian Institute of Science,  
Bengaluru, India

## Adhyakshale kathopakathan



INyasSच्या सदस्यां, मित्रां आणि इच्छुकंसोबत आदाराने

भारतीय राष्ट्रीय युवा विज्ञान अकादमी (INyas) च्या उत्साहवर्त शुभेच्छा

भारतीय राष्ट्रीय युवा विज्ञान अकादमी (INyas) जगच्या बदलत्या मागण्यां आणि प्रथमिकांसाठी स्वतःच आत्मसंबद्ध आहे. INyas राज्याच्या दृष्टीने 100+ सदस्यांच्या आणि 45+ पूर्वसदस्यांच्या मध्ये समुदायात्मक, सांस्कृतिक आणि तत्वावधानात विविधता प्रतिनिधित्वात कारणात आहेत. या विविधिकारणाने INyas लिंगी आणि जातीय बंधनात फोडून संस्क्रुती आणि क्षेत्रविशेषतात पाळून राष्ट्रभारत विज्ञान आतंरिच आणि सामेलान, सांगोश्टी आणि सार्वजानिक इंटराक्टिव सारत्रे कारणात शक्ति दिली. INyas द्वारा प्रकाशित केलेले वार्तापत्रिका आणि अहवाल काही प्रदेशीक भाषांतरानंतर केल्या जात आहेत ज्यामुळे ते सुलभ गणनासाठी उपलब्ध होते. अकादमीला स्वस्थ लिंगानुपातात थेवनातयाचा ध्येय आहे ज्यामुळे विज्ञानात महिलांचा प्रतिनिधित्वात बढाव आहे. विशेषरूपाने, 2022-23 सालात INyas मुख्य समितीची टीम 55% स्त्री सदस्यांच्या प्रतिनिधित्वात असल्याने अत्यंत लक्षणीय आहे. 2023 सदस्यां आरजांच्या वेली एकुन 27 सदस्यांपासुन 18 सदस्यां इंस्टीटुट-तुन सांलग्ने जाले होते. हे देश-भार विविध शाखांच्या प्रतिनिधिमध्ये एक प्रतिनिधित्वाकर्त्यांच्या पयवधानात प्रदान कर्ते. INyas सदस्यां विज्ञानात त्यांच्या संशोधनात योगदानामुळे राष्ट्रीय आणि वैश्वीक वतावरानात उत्कृश्टता आणि ओलख दानात दुरुश्ट कर्नात आली आहेत. वैश्वीक चर्चांच्या विविध सांदारभारत भाग घेतले ते प्रकाशनामध्ये विशेष व्यक्तित्वात नावे जोदाने आणि पुरास्कार निशचित्पाने INyas च्या तपिवार पान्क जोदता.

वार्षीक बांथारक फेब्रुवारी 2022 मध्ये ऑनलांन पद्धतीने आयोजित केली गेली आणि या कार्याक्रमाच्या उपस्थितिते नोबेल विजेता, PSA GoI, NITI आयोगाचे सदस्यां, INSA वरिस-प्रेसंसें आणि सांखि SERB-DST साहा ग्युश्ट ऑफ ऑनोर उपस्थित होते, जे जांनारसामोर उपलब्ध होते. जागतिक उद्योगिकारण आणि वैश्वीकारणाच्या उदयानंतर, वैश्वीक प्रशासां विज्ञान आणि सामाजाचे सांगामाचे माहात्त्व मानले आहे. "INyas चूक लागीं तराचा धारान कर्नात आसा शानातानाराम अध्यानाची आणि प्रकाशनाची. RuSETUP (ग्रामा विदनांन शीकशांन उत्तेजांनक कार्याक्राम), WiSDom - (विज्ञानिक डोमांन माधिल महिला), PRAYOJAN (पोश्ट-फीड: शोध, विदनांन शीकशांन आणि उद्योगिक साध्यां, विज्ञान पत्राकरिता, ग्रान्ट लेखान आणि नेटवर्किंग), KARYASHALA, SARANSH - तेजाचा प्रस्तावना प्रतियेदान मुकाबाला, Sci-Art मुकाबाला आणि क्षेत्रीया विज्ञान शीबारा यानाचा प्रकाशपाना कर्नुन INyas सांमग्राहा तेजा योगदान द्यायला ग्यायला वेल. INyas UN SDG माधिल अध्यानातिल गचाकानाची उंचाी, लींगर आधारांन आणि प्रगती आणि सांनश्टापान आणि सार्वजानि अपांगता कमी करायला योगदान द्यायला वेल. सुसात विकास साथी आदरारभूत विदनांन वारश आणि आजादी का अमरित माहोसवाचे 75 वारशेच्या सुमरतिल, INyas BARC आणि IITD साहित्ते "सुसात विकास साथी आदरारभूत विदनांन आणि ताकनीकी (BSSD-2022)" या तिन दिवासाची ताकनीकी सामेलान, 16-18 सेप्टेंबर 2022 ला DAE कंन्वेंशन् सेंटर, अनुशक्तिनगर, मुंबाी मध्ये आयोजित केला.

राश्ट्रीय विकासाच्या इंडेक्षा वेदनुकाची माहात्वाचे नाव हे की सामाजातल्या स्त्रीयां आणि वानचित वर्गाच्या सांस्क्रुतिक क्षेत्रांचे मुखमांनरि मध्ये सांमवाशियाक आहेत. INyas WiSDom यानाच्या फ्लागशिप गोश्टी हातावरुन स्त्रीयां विशयाक प्रोग्राम सार्वजानिक कर्तात, जालांन सारकळे प्रवाचांन, कुरियाकालप आणि करीत यशाची प्रसांगीकता वीश्टरुत करार. पीऑनरिंग स्त्रीयां केल्या अनुसांधान कार्या साजारा INyas WINyas मांनारताना "वे: थे सांनसिटास" चे एक उपकारण प्रकाशित करार आहेत! सामाजिक आर्थिक मार्गा मध्ये सामातोल थेवनीयासाठी, INyas RuSETUP, वांग्यानिक भ्रामान, प्रतियेदान, प्रवाचांन शर्रेनी आणि आंतराकृती संसांनशा वरुकशादीनान, सीकशांनाने 5 E - सांमपाना कर्ता - सांनव्ळ, शोध, सांमजाव्या, वीश्टर आणि मुल्यांन. राश्ट्रीय आणि आंतरराश्ट्रीय जोदीदारांन मध्ये आंतरदीसप्लीनरी आणि आंतरजेनेरेशानाल सांमगामानाचे प्रोमोसांन येन्यार सांधानांचे अपयाश आंनवारताना सेमिनांर, सामेलान व प्रकाशनाचा तालरिचे विशया विशेष प्रवाचांन दाने. प्रान्यामांनरि यानाच्या कार्यालयाच्या साहाकाराने INyas नातफोस यानाच्या चिंनानाशीबारा प्रारंभ केले होते, 2018 मध्ये,

ani vividha vaigyanik paddhaticha sadasyanchya madatine shikshanachi takrarakshatat goshti sutali hote. INyas NatFoS 2022 chi tin divashiya nivasik baitak Parwanoo, HP madhe 13-15 March 2022 var karun thevali hote. INyas prabhutva dudhane PSA karyalayache sahakari asata, tar atyant yashasvin tarfayun tarf ghoshana dastavejache tayyari karanyasathi yuva vaigyanikanchya samarthanavar sarihun astoy.

INyas haun asaivik kallzantlea hanchi ani takratlea kontemporarachi raajkiya huddyanvitli ani taknoloci fieldant kaam karunk zollear inspirar, irradam korunk ani munnnant. Hunchem ullas Atma-Nirbhar Bharatachem ideologi korunk ani hanchi shikshonem, vidnyan ani taknoloci fieldant industry-academia sambandhap tachem fuddar ugdas korunk. INyas inter-disciplinary ani intergenerational vidnyanik samvadant moddlem cheddem, tachem visionanchi mog kallzant uttarapadakanchya shiknara muddeanchi sodtam baddal tachem vichar amchem samajatil neureakarnara udant ani vidnyanakaranara shiknara spardhankanchya margant vichar amkam navrem gheunk puddeant. Asaivik sangatakamanchi zolli tachem margadarshanam astana, raitik zavnoddant ani vidnyanakaranara uddeshya kadnachem kam karunk amchem desanche vikasak pednam (3P's - Pioneering, Propagating ani Promoting science). INyasantlem eka mukhya uddeshanam utram and majar samasyan vetatleara jevonn nustachem samarthan ani shirshak tachea mat ani sala kallzantala prastav ugdas korunk. Hi disanvant INyas post-docs, school teachers ani underutilized workforce jevonn ugdas kelya tinna rashtriy sarvekshan korpel.

Ya, amchya INyas chi varshik vrtapatr purn vistarane yenche January 2022 to Disembar 2022 daryache sagle karname dakhvun, amhi anandit ahot. INyas karname hatavlelyabarobar aple krutagnyapn vyakt karaycho ichhit ahe. INSA chi amhi sadaiv abhari ahot ani tya pasun millyanchya shisthapan va prerna pasun INyas che sarv samaveshakarneche prashikshan, samanvay ani karyakram prakriya chalavlelyabarobar core-committee sadasya, sarv INyas sadasya, INyas office ani alumni che mahattvache sujao ani yogdan ghetlelya ahet, tyana amhi aplya krutagnyapn vyakt karato. INyas dwara samorachit kelya gayela pratyek karyakramavarne, sanmananiya atithi ani prathamik sanshodhakanna tya anamol samay ani gyanadhan dilyabaddal tyana apan pranam karato. Amhi INyas dwara samarhit pratyek karyakramasathi milalelya rajkiya sahakarya sathi dhanyavad karto.

Mog asa karto ki bhavishyatil karyakramasathi INyas la vishal sampatti prapt ho.

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

---

**Indian National Young Academy of Science (INyas), Indian National Science Academy (INSA),  
 2, Bahadur Shah Zafar Marg, New Delhi -110002.**

 [inyas@insa.nic.in](mailto:inyas@insa.nic.in); [inyasindia@gmail.com](mailto:inyasindia@gmail.com)  <https://inyas.in>

 <https://www.youtube.com/c/INyasYouTube>  [www.facebook.com/INyas-1662728413946122/](https://www.facebook.com/INyas-1662728413946122/)   
**INyas\_INSA**

## Vishaya Soochi

S. No.	Vishesha	Page No.
I	IN-YAS Kor kamiti baithaken	7
II	IN-YAS naveen sadasya	8
III	INITIATIVES	10
IV	IN-YAS mukhyakaryakram	11
	1. IN-YAS varshik sarva sadasyanchya baithak (Feb 2022)	11
	2. PRAYOJAN, IN-YAS chi mukhyakaryakramatil online karyakram	12
	3. Rural Science Education and Training Utility Program (RuSETUP)	15
	4. Women in Scientific Domains (WiSDom)	20
	5. Saransh 2022: Tin Minute Thesis Pratispardha	24
	6. National Frontiers of Science meeting (NatFoS 2022)	25
	7. IN-YAS mid-year meeting-Three-days technical symposium on “Basic Science and Technology for Sustainable Development (BSSD-2022)”	26
V	IN-YAS- Sanvad ayojan-prashikshan ani karyashala	27
VI	Vishes Divasancha Sajra	40

VII	Webinar ani Vyaakhyaan	45
VIII	Dhyey baithak	55
IX	Vigyaaan prasaar	58
X	Graamin ayojanaanchye karyakram	66
XI	Aantarraashtriya sanyukt karyakram	67
XII	Adhyaay karyakram	68
XIII	Puraskaar ani olakh	71
XIV	Printantu INYAS	73

## INyas KOR KAMITI BAIHAKEN

INyas kor kamiti (CC) baithken 2022 chya varsat 16 velaa jhaali

### 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

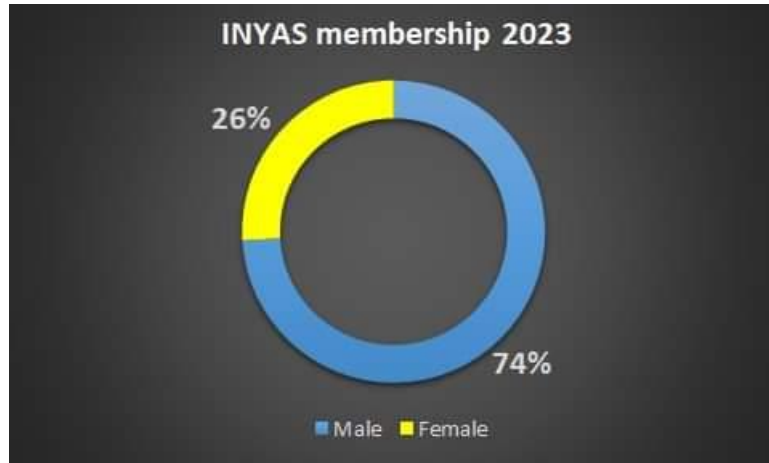




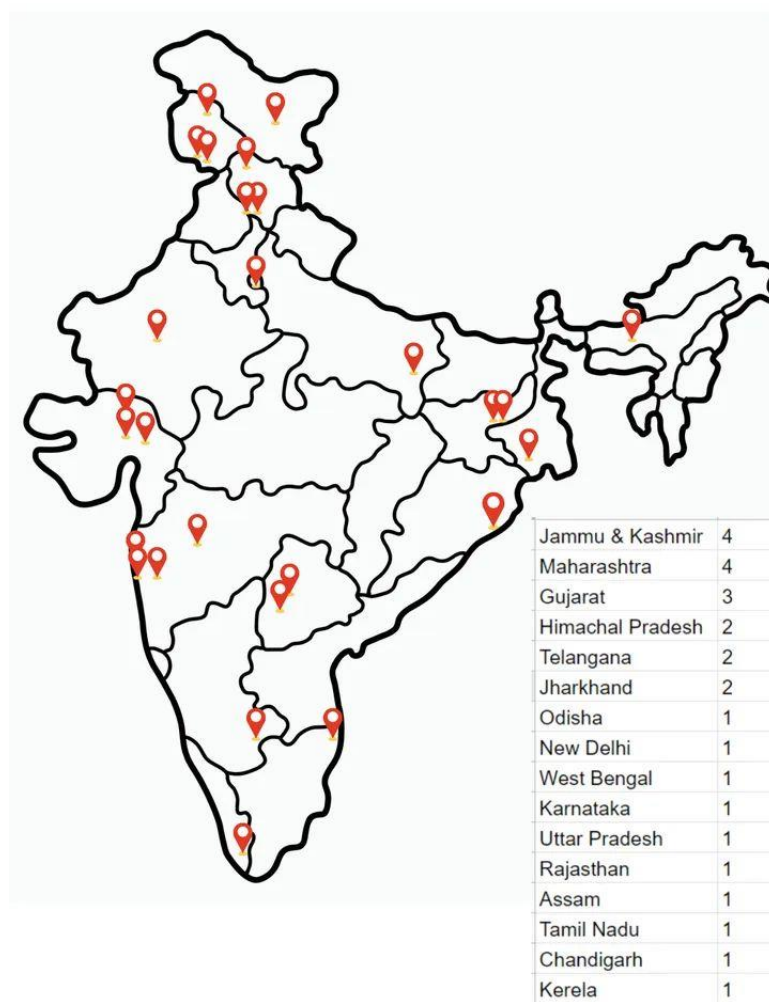
## INyas NAVEEN SADASYA (2023-2027)

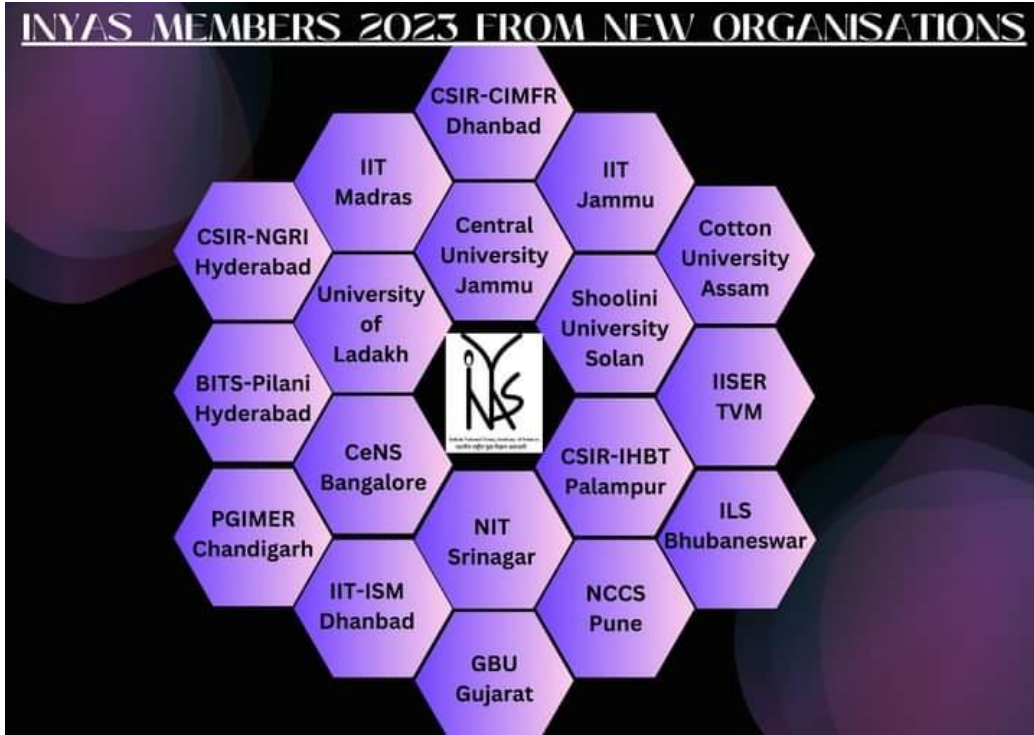
Vividh vishayantalya vividh sanshtha ani sanshthapassun navin INyas sadasyatva arjanchya ekun 289 arj milalya. Navin pahilyandache sanyam baljabarit arj karanyas uttejit karanyasathi INyas YouTube chenneldware promotional videoschi jahirat keli geli ani dusarya social media ani INyas webpagedware link sadar kele gele hote. Arjanna INyas dishanirdeshannusar sanchalan karanyat ale ani navin sadasya nivadanyasathi nivadak samitichya shodhanchya adhare nivad kela gela. INyas agadi utsahanane ghoshito ki, 1 Janewari 2023 pasun 5 varsansathi 27 navin sadasya svikarle gele.

 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	<b>Membership 2023</b>		 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





## INITIATIVES

2022 ani INyas sanchalan vistrat kara, COVID-19 pandemik jem tadakla asa aniket situation ne santulan nantara sustainable plan develop kara ani INyas chi lakshya saadhnyacha prayatna kontinue kara, he lakhun velan aniket navin prakriya online chalanar jatali ani COVID-19 naate aajche circumstances baghitlya anusar. 2022 madhe navin activities virtual ani offline outreach activities widen karaychi suruvat keleli ahet. 2022 madhe kai navin initiatives ahet te:

- *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 MUKHYA KARYAKRAM

### 1. INyas annual general body meeting (Feb 2022)

Indian National Young Academy of Sciences (INyas) 17-20 Feb. 2022 (online mode) madhe seventh annual general body meeting ghettanv hote. Muddedar Ujwal: 2 Public Lectures, 1 Panel discussion (Science Performance Indices: Need, Rationale and Alternatives), A Technical Symposium on Light Emitting Materials for Societal Benefit). Public lecture Prof. Peter C Doherty (Medicine Nobel Prize Winner, 1996) dila hota, tyanantar vaccination var vicharlela hota, virus pasun surakshit karne sambandhit pradhan immune 'effectors' plasma cells madhun nikalalele antibodies ahet, te blood ani mucus madhe felat astat, virus particles la bind karte ani te cells madhe pravesh karnyacha prayatna karate. Infected person chi recovery sathi, CD8+ 'killer' T cells pradhan immune effectors astat, tya virus produce karne walya cell factories la identify karun destroy karte. Talk virus chi "killer" ani CD8+ 'killer' T cells var fokus karat, tya infection la ant karnyacha prayatna karatana almost 50 varshani my research focus hota. Prof. Vijay K Raghavan (Principal Scientific Adviser to GoI) ani Prof. Sandeep Verma (Secretary, Science and Engineering Research Board - SERB), Prof. Devang Khakhar (Vice President, Indian National Science Academy) chi upstithi hoti ani te young scientists ani members sathi prasiddha ani relavant topics var group discussion keli hoti.

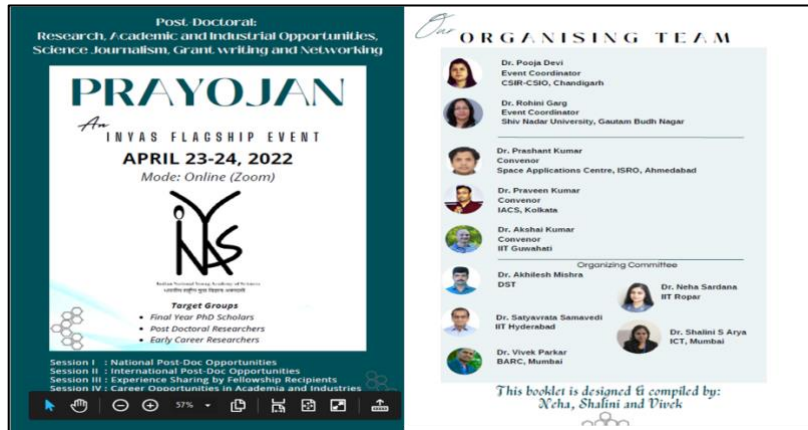
 <p><b>SEVENTH ANNUAL GENERAL BODY MEETING INAUGURAL SESSION</b></p> <p><b>Feb. 17, 2022, 2:00-3:00pm IST</b></p> <p>Join: <a href="https://youtu.be/XdH92PrHjvA">https://youtu.be/XdH92PrHjvA</a></p> <p><b>Chief Guest</b></p> <p><b>Prof. K. Vijay Raghavan</b> Principal Scientific Adviser, GoI</p>  <p>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



## 2. PRAYOJAN, a flagship online event of INyas

INyas ekach प्रकारच उद्यापान “PRAYOJAN” far (Ph.D. पासून बाद PhD, post-docs ani early career researchers सathi) सफलतने निल्राजि करत होता. हि गोसता 23-24 April 2022 ला आयोजित होती अनी त्यात, विविध क्षेत्रात माधिल प्रभावशि, उद्योगिकारण, शिक्शान, वाग्यानिक लेखन आदी, Ph.D. पासून बाद करिअर संधावनांचा आवागण द्यावे हि उद्देश आहे. याचे प्रसार पण Prayojanat माला कारण आहे की students सathi career opportunities वर आवागण मिलवि अनी त्यांच्या professional skills वधवि शकत. त्यामुळे, हा प्रोग्राम प्रत्येक नागरिकासathi अनुकूलित होता. हि प्रयोजना वर फोकस करुन, INyas ने Prayojan चा विचार

aaplya manat thevala hote. "PRAYOJAN" che 6 vishesh session hote, tyat pratinidhi shabdak mukhya hote.



Dis faran akhar 1 chya suruvatichya karyakramat, Bhartiya Nouvisheshan Yuvakadami che sansthapak adhyaksha Dr. Anindita Bhadra ani adhyaksha padachya Dr. Mahesh Kumar ani Dr. Chandra Shekhar Sharma yanchi upasthiti aslyane, arambhi samarumbhat vidyaman hota. Pahilya pathat, tyanchya sambandhita sansthamadhye novvisheshan ani sanshodhan sambhavata yuva shodhakansathi samanyapane spast karunare, Bhartiya Vijnyan Anusandhan Board, Vijnyan ani Aushadhi Tantra-jnyan Vibhag, Bhartiya Vaigyanik Sangathan, Bharat Alliance, IISER Mohali, IIT Gandhinagar ani ISRO yanchya vaktutwatan sangitle gele.

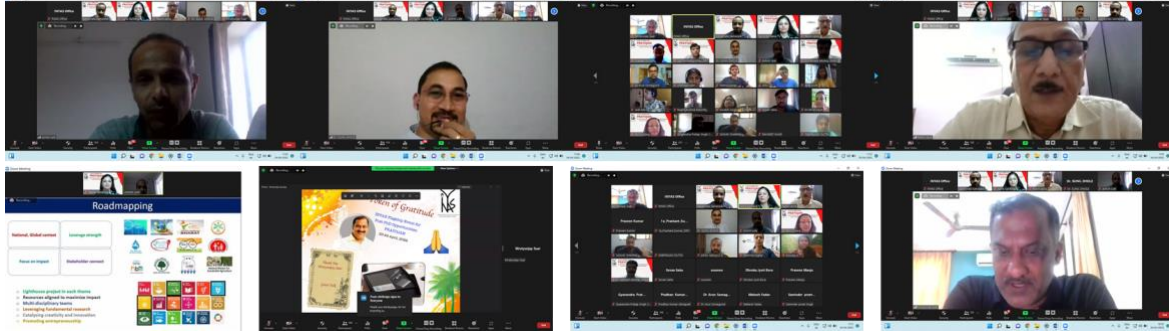


Session-2 fakt PhD-antanchya International opportunities saunshaykarak sadhananchya vishayat mhadleli ek mothya mahiti yukt session hoto. Dr. SK Varshney, Sr Vivek V. Dham (EU Delegation), Dr Samrat (EUraxess), Indraneel Ghose (SWISS Embassy), Dr Srinivasa Kaveri (CNRS France), Dr Divya Dutt (Fulbright) ani Dr Kyoko Nakano (JSPS) yancha ek damajhara panel hota.

Session 3 madhye, Fellowship praptkartaanchya anubhavanchi sanadiche padhati keleli hoti, tyamule saphal fellowship grant kas kadhava he participants la dyayla help karave. 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) ani Dr Ritesh Kumar (CSIR-CSIO) hyancha anubhav participants barobar share kela.

Session 4 madhye, innovation ani entrepreneurship che mahatv dakhavle. Dr. Suar ani Dr. Sunil ne, ekach vyavasay suru karayla je GoI madhil sarv upalabdha nidhiyanpasun, ideation pasun processing sudha dakhavun ghete. CSIR labs ani chemical industries jaise ki Reliance madhil upalabdha yojananchi mahiti pan prasiddh keleli hoti.



Session 5 madhye, Dr Deeksha Gupta, Dr Aparna Ganguly, Dr Shubashree Desikan, Sayantan Datta, Dr Suchibrata Borah yanche vakta, academic publishing ani science communication madhil karya upalabdha ani tyasathi avashyak kushalata ani mukhya tattvanchya vishayat mhanun karit padartha disle. Tyamule, sarv vakta yanchya janatela bhet bhav ani uttar denya vyavasayat vatatlya chavani ani uttarakriya prakarane khup aavdya.



“PRAYOJAN” ya dolyatil don divashi karyakramachya anta samarohik bhashanane Prof. Sandeep Verma, Secretary, SERB (Session 6) yanchi dakhavli. Prof. Verma karyakramachi prashansa kele ani Start-Up culture, Science Documentary adi session yanche sammilit karaychi, ani ase karyakramat shikshan ani science communication madhil sthanik bhasha sammelancha prabhav tayachya takrarvar manyat ghene sugges kel. Participants ne, PhD pasun vachali jatele karya chya sudharit drushtine karyakramatil pratinidhiche pan apla abhipray samarpale ani programachya sarv aspekta ani vyavasthapanacha prashansa kele. 250

paryant candidates madhil sarv session madhye laghutam ek consistent participation dakhavun tyanchya prashanshakana INyas initiative hyachya tathasthu pratyakshata darshvit hota.

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

Shala shikshakansathi yethe suchit dilelya pradesik bashamadhil Ayanas sadasyanni RuSETUP antargat anek karyakram ayojit kele gele hote.

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

---

Mumbai INyas ani INSA chea ekatra RuSETUP nomanantar "Gramin Vidnyan Shikshan ani Prashikshan Upayogi Program" HBCSE, Mumbai yeta Joon 3-4, 2022. Hea programant gramini kshetranchea vidnyan shikshakancha uddesh karun aalo hota. Maharashtrachea 20 uchch madhyamik shala shikshakana hea programasathi nivdit hota. Divas 1 Joon 3, 2022 pasun aarambh zala. Prof. G. Ravindra Kumar, INSA Mumbai Chapterache sanvahaak, Mumbai BARC madhil INyas sadasya RuSETUP karyashala varchi saar sangitle. Hea programasathi atithi honar INSA Fellow Prof. P. Mukherjee, Mumbai BARC madhil, je hea programasathi pravasachi varta keli ani shikshakana prerna dene he vinanti keli. INyas Chair, Prof. Rajendra S. Dhaka zoom platform varun jodun audience la sandesh dila. Dr. Vivek Parkar, INyas Mumbai Chapter chea samanvayak, hea programachea various outreach activities varchi prastutit samiksha kela, tach chukichi bhumika samajun dyayla try kela. Praarambhik dhorechi Physics varkit sanstha demo session ni Prof. Jayant Joshi, Marathi Vigyan Parishad, Mumbai. Te dakhavle kashi divsanच्या rojachya sadhanancha upyog karun sadar upkarananchya saharakita taise prakriya dakhavinyachi. Tyat lunch session chea naavane mula hota. Lunch pasun shikshakana HBCSE chea aadhunik laboratory visit la ghetla gela. Pahilya lab visit madhil shikshakana Maths Lab la ghetlyanantar Prof. Aaloka Kanhere math shikshan varchi various models dakhavli ani samajalya jevha hi logic ani simple approach barobar tyane easy integral ani differentials kashi samajavanyachi. Divas 2 Biology varkit sansthecha sessionavar start zala, jyavar Prof. Vikrant Ghanekar ani Prof. Anupama Ronad, HBCSE madhil, microscope varchi various biology experiments dakhavinyachi. Shikshakana hands-on-training dyayla gela microscope varchi upyog kasa karaycha, slides kasa taiyar karaycha, ani tyanni margadarshan kela. Durnivadachya pariprekshya var Chemistry demonstration shikshakana kashi karnyacha Prof. Arnab Dutta, IIT Bombay madhil INyas sadasya ani Prof. Anindya



Dutta, IIT, Bombay madhil Professor tyanni shikavnyachi. Samples cha prakar dyun waparun, simple techniques var acid ani base classify karaycha dakhavinyachi. Lunch break tarun chalu zhala, final session Connected Learning Initiative (Clix) modules var zala, jyavar Dr. Shamin Padalkar, TISS madhil INYAS sadasya, HBCSE computer lab madhil shikshakana.



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

---

INYAS ani tachea gosinchi manjor program "Rural Science Education Training Utility Program (RuSETUP)" asa program vorsa, NCR Chapter INYAS's member ani INYAS, NASI, ani INSA local chapters doghi sakhali support koreant ani hea event "Three-dimensional learning of science for society" temat ani IIT Delhi's Rajasthan ani Haryana cha rural ani sub-urban area's science teachers na mota. July 9-10, 2022 ddis re, Indian Institute of Technology Delhi's premises asa "Rural Science Education and Training Utility Program (RuSETUP)" asa program vorsa, INYAS Flagship Event doghi Delhi NCR chapters INYAS, Indian National Science Academy - INSA, ani The National Academy of Sciences, India (NASI) asa joint sakhali support koreant. Dr. Krishnan Veda ani Dr. Kalpana Nagpal hea event chea co-ordinator ani co-coordinator hoteant. Professor Ajoy Ghatak (NASI president ani honorary professor physics at IIT Delhi), Prof. Anurag Sharma (NASI vice-president, convener NASI Delhi chapter ani emeritus professor at IIT Delhi), Prof. Niranjana Chakraborty (INSA Delhi chapter Convener) ani Dr. Rajendra Dhaka (Chair, INYAS) asa inaugural session var magil. 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 ani Prof. Pratibha Jolly); ani INYAS alumnus (Pankaj Bhagel ani Charulata) hea event var informative talks/hands-on/demos/sessions

sorgasar koreant. Total 19 science teachers four states Delhi, Uttar Pradesh, Haryana, ani Rajasthan saiba different schools maddean offline mode var event var zaylea.



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

INyas 23 ani 24 August, 2022 roddnam Utrakhand cha Rudraprayag's G.I.C. Triyuginarayan var "Rural Science Education and Training Utility Program (RuSETUP)" asa program vorsa.

Hea event INyas ani G.B. Pant National Institute of Himalayan Environment (GBPNIHE), Uttarakhand cha



doghi sakhali joint ani organize koreant.


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

INyas cha "Rural Education Utility Program (RuSETUP)" asa banner 2022 Varanasi



flagship banner Science and Training Program (RuSETUP)" var 20 August, roddnam cha Chiragaon's

Jalhpur's Upper Primary School maddean doghi sakhali organize koreant.



## INyas FLAGSHIP EVENT

### RURAL SCIENCE EDUCATION AND TRAINING UTILITY PROGRAM (RuSETUP)

**Organized by**  
**Indian National Young Academy of Sciences (INyas)**

<p><b>Target Audience</b> Students of Rural area of Varanasi</p>	<p><b>August 20, 2022</b></p> <p><b>Venue</b> <b>Upper Primary School, Jalhpur, Chiraigaon, Varanasi</b></p>	<p><b>Planned Activities</b> Science awareness and demonstration sessions</p>
<p><b>INyas Members</b> Dr. Sanjay Singh Dr. Ashish Kumar Mishra</p>		<p><b>Students</b> 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)

Hea program Mathura zillitlya Science School Shikshakana swasarya jagruti sodveti, science var purwakarita prati ani teaching madhli creativity sodveti, aple several breakthrough inventions var update sodveti ani science communication skills sodveti asa hoto.



## INyas Flagship & CSIR-JIGYASA EVENT

### Rural Science Education Training Utility Program (RuSETUP)

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

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

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

---

Kolkata-Bhubaneswar chapter INyas naka 'Frugal Innovations: Impact on Rural Healthcare' vishayak jalloh shubharambha dorit 02 July, 2022 roddon "in-person" mode natt IIT Kharagpur. A program tachea bhittit, INyas ani SERB ekatritta sevadi. Paschim Medinipur (West Bengal) chea gav/gavkadea chi 30 schoolea science shikshaka event madhun olle. Eventa Dr. Rajendra Dhaka (Chair, INyas) yachya welcome video note nantarche suddhale ani tachea upakrammadhe guest of honour Prof. Soumen Das (Chairman, School of Medical Science and Technology, IIT Kharagpur) chya forewardane jallo. Eventachi shuruwat Dr. Dibyendu Chatterjee (Member, INyas) yane regionallanguage (Bengali) madhil INyas activities chi sarasar charcha kele, tasa Bengal-Bhubaneswar Chapter madhil activities sampurna houna. Gav shala shikshakanchya madhil expert lectures ni Prof. Suman Chakraborty (Dean R&D, IIT Kharagpur) ani Prof. Jyotirmoy Chatterjee (Advisor, B. C. Roy Multispecialty Medical College, IIT Kharagpur) ne Bengali madhil presentations kiye. Prof. Suman Chakraborty ne shala shikshakanchya madhil prakrutik upkaran ani mahattvachi vidnyanik pravruttiyanchi garajachya vishayi samparkachi abhyasat hotil. Prof. Jyotirmoy Chatterjee ne shala shikshakanchya madhil antarvaidyak ani bahuvidyak shikshanasaathi garajachi samajachi garaj keli ani shikshakanchya madhil samasyaanchya vishayi maanlya, tyana sarvamaana ani note kelay. Expert lectures aali ani tyaanantar Dr. Dibyendu Chatterjee, Dr. Sandip Paul, Dr. Nishant Chakravorty ani Dr. Budhaditya Mukherjee chya sahakaryaane shala shikshakanchya madhil interactive session hoil, tyane shikshakanacha abhyas, prashna ani sujao share kela ani tyaanantar tyancha samavya jhala. Dopaharicha session lab demonstrations sahakarya Dr. Budhaditya Mukherjee ani tyanche team ne Life Sciences building of IIT Kharagpur madhye tayar kele. Kolkata-Bhubaneswar Chapter madhil sadasya Dr. Sriparna Chatterjee, Dr. Kutubuddin Molla, Dr. Chirashree Roy Chaudhuri, Dr. Dibyendu Chatterjee, Dr. Sandip Paul ani Dr. Nishant Chakravorty event chi chaturthi samorupan shi tayar keli.



#### 4. Women in Scientific Domains (WiSDom)

Ek seriyar na zaunk Wisdom he vishay mein shala shikshak ani vidhyarthiyo ko prerit karne wale kai karyakram shaamil hai, sath hi WINYAS ke sadasyo dwara prernaadayak pitches, prasiddh visheshgyo ki prernaadayak safar aur in karyakramo ke prastaavon se shamil safed patro ke saath.

**WiSDom**  
Women in Scientific Domains

**Whitepaper(s):**

1. Effect of covid on (Women) scientists/ academicians
2. As from the proceedings of the events

Neha & Upasana

**Undergraduate and post graduate students:**

3 minutes inspiring pitch by WINYAS members, Q&A

Kiran & Durba

**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

Nishad & Nishima  
Co-conveners

Sugandha & Rajani  
from CC

Meghna & Jiban

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

---

“WiSDom” bhanneran 3-mintachi pitch collage, mahilaa shaastrajnyanchya pathavar. Shala ani mahavidyalayi vidyarthyaana uddeshat aaleli ha etar akhil bhoomika, yuvati trail blazers cha path, jamlele koni sangharsh ani prabhav vishayak te dusryanna darshatat. Ha etar 12 mahilaa shaastrajnyaanni elevator (3 min) bhashan, tyanchya pathavarache vishesh ani ekach vaktiche prashna uttaracha session hota. Dr. Deeksha Gupta mukhya atithi hote ani tichi eka bhumiket varnan ghetla. Etar yuvati ani yuvako shikavi ani prerna dene hi eka uddeshana hote.

"Trail Blazers 3 minute pitches" - mahilaa shaastrajnyanaamadhe te jeevan padhatichi kaarani pratham vel khupach sundarpani hota, July 13 (4-6 pm) la "WiSDom" bhanneran online prakare sampanna zala. Eka bhannat prasiddha shaastrajnyananchya jamley aani tyancha path tyancha kariyarachya vividh pahatanchya dishaancha uddesh karun karyakram ek tivratil dilya gela. Aashaya aahe ki hya madhyamane ani jast shikshakanna shikshakaanna - donhi tarf yuvakanchya STEM kariyarachya udyojana madhe adhik mhanun prerna dilya jaun sambhav hote. American Chemical Society cha Senior Associate Director-India Strategy & Operations, Dr. Deeksha Gupta, hi karyakramat mukhya atithi hote aani tyanchya safalata varnanane audience ch uttejil kele. INyas cha Chair Dr. Rajendra Dhakahi hya karyakramat shamil hote ani INyas adhikaranchya pragati aani vividh karyakramancha abhipray varnan detat.

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

---

INyas (Indian National Young Academy of Sciences) dhoran WiSDom (Women in Scientific Domain) gheun 27 July 2022 (Budhwar) sanje 10.30 vaajta virtual event "Iconic Women Scientists of India" school baalkanche sathi aaylo. He online webinar madhye INyas cha char pramukh tarun vaigyanik, je INyas sadasya aahe, hindvi bhashet yashasvi bhartiya mahilaa vaigyanikanchya prerak goshti share kele, je school shiksharthiya, nantariche shalini shiksharthiyanni mukhorota detat. He bhartiya mahilaa vaigyanik ice-breakers hote, tyana tyanchya fildvaril Indian/Foreign University madhye Doctorate prapt kele hote. Tyanchya jeevanat ubharlelya kadane ani tyanchya anokhyakarya vrutantane te sarva yaanmadhunach ujed thevun ghetalele. He wataana aamhi shiksharthiyanna deun dilya goshticha antima drushtikon STEM madhil bhutapurna yogdhanavar. He pradarshanavar padmashri yanchya prof. Rohini Godbole, je prasiddha bhautik va STEM madhil mahilaanche sangharshavar mukhya vaktarite hote ani he karyakramache mukhya guest prof. Chandrima Saha je prasiddha jivavidnyanik aahe ani Indian National Science Academy (INSA) che pahila mahilaa president

aahe. He event Bhartiya cha char pramukh vaigyanik mahilaa Bibha Chowdhuri, Kamala Sohonie, EK Janaki Ammal ani Asima Chatterjee yanche jeevan dakhavun ghetete. He sarva mahila vaigyanik sarvotkrist vaigyanikanchi udaharan astat, jyanni tyanchya jivanatil samajik ani kamgar chalalatethe paristhititila sahan karun tyanche Gnyaanacha prem ani vaigyanik karitratwa karta ghetale. He karyakramache antima uddeshya teva mahilaa iconecha uddharan dakhavun deun, tevadhe yash miltil STEM madhil tarunanna margdarshan karun dilya goshticha drushtikon samanyala anerkhicha aseva ho he Aamcha ichha ahe.

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

Indian National Young Academy of Sciences (INyas) chi WiSDom (Women in Scientific Domain) flagship program under 3vya ayojan "WiSDom (Women in Scientific Domain) workshop" aanandache panpasen August 13, 2022 (Shenvari) sanje 10.00 am – 4.00 pm warr ranallem.

Aayojakache adhiveshanacha Mukhya atithi Dr. Anantha Ramakrishnan (CSIO, Chandigarhche Direktor) hote ani aadarsh atithi Ms. Elsa Marie De Silva (Red Dot Foundation Founder and CEO) hote. Atah parsparik pratishthanakarya Ms. Meeta Rajiv Lochan (Rashtriya Mahila Aayogache Sadasya Sachiv), Prof. Pratibha Jolly (DST-GATI che PI), Prof. Jayanti Dutta (UGC, Panjab University che HRDC Associate Direktor) ani Prof. Sudeshna Sinha (IISER-Mohali che Deputy Direktor) yanchya anubhavavarun char beduk prashikshan-sessions jhale. Netaachi safalta, takrar ani sthir sambandh banava, karyasthalachya changalavarit sanarawat ani karya-jivanchya tasacha balanse hya sessions madhye vivadit zhale.

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

**RESOURCE PERSONS**

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

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

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

**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

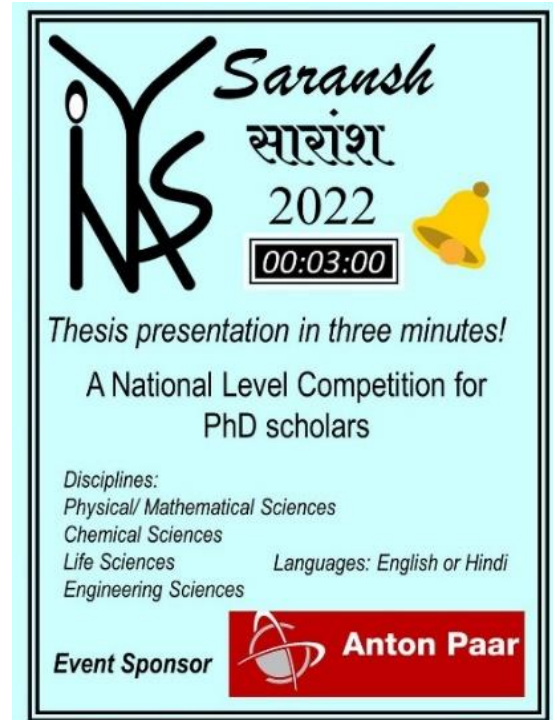
11.35 to 12.35 AM: **SESSION-2**  
**Title: Advancing Careers, Building Teams, Sustaining Partnerships**  
Speaker: Prof Pratibha Jolly

12.35 to 2.00 PM: Lunch Break

## 5. Saransh 2022: Three Minute Thesis Competition

"Saransh: Three Minute Thesis Competition" cha dovu ediśan Anton-Paar India Pvt. cha sāhāyāne, sāptāambar tāleṃ disāṃbar 2022 madhye anunē phīdī śikṣaṇādarānīm sahāyatā dēnēche uddiśṭa, yā sarvē śikṣaṇādarāṃnāṃ yāṃ kēvala tēcīsē mīnīṭāntāt tēvhārēṃ var vistarīta prasārana karūna dēṇyācī śōdhā-śulka, yā śakatī pradānara. hi ghaṭanā sthānīya rājya / kendriya sansthētīla nōṭa kēlēlē vā pūrva phīdī śikṣaṇādarāṃsaṭhī, sārthak va śikārāsaha pratyēk

kṣētrātīla prashna jyā dēsāntarātīla prashnakō mārgadarśī vyaktī tēvhārēṃ sarvētara ākāṅkṣī prēkṣakānā prasārīta karāvya lāvayācī saṭī. sarvētara phīdī śikṣaṇādarāṃnāṃ āvasyaka pradakṣiṇācēṃ, gāṇḍha pāṭa prajñānavān nāhīm tevha tya aṅgī kāryāsaṭī adēsāntarīta karūna tēvhārēṃ āpalyā sahāya karāṇyācī śakatī dēṇyācī uddiśṭa hotī. hyā phīdī śikṣaṇādarānīm, bhāṣātīla phīdī śikṣaṇādarānīm, rasāyana śikṣaṇādarānīm, jīv śikṣaṇādarānīm va abhiyōgik śikṣaṇādarānīm sāyakālīna dēkhavalyā gēlē hōtē. hyā kāryācēṃ prathamik dōṇhadēcēṃ pratēkṣaṇāsādhanāvār karūna 137 phīdī śikṣa







## 6. National Frontiers of Science meeting (NatFoS 2022)

Jagatik vigyanachya rashtriya seema (NatFoS) dharmik baithak shrenkhala 2018 sali prarambh jhali hoti, bharat sarkarchya mukhy vaigyanik sallagar (PSA) yanchya sahayyane, vividh vigyan shakhanchya ek svasth sanvad tayar karnyasathi. Ya charcha shrenkhalecha US National Academy Frontiers of Science modelchya layans var dizain kela gela ahe, jyamadhye 35-40 utkrisht tarun vaigyanik ani abhiyante ekatra yeun, svatahcha vyavasayik kshetratil utkrisht pragatichya prastutindware charcha karne, ani itar vaigyanik shakhanchya cutting edge anusandhanabadal shikanyachi sandhi milvanyacha prayatna karne yat ale ahe. Ya uddeshann saadhanysathi, INyAS ne NatFoS 2022 che nivasi baithak march 13 te 15 tarikh paryannt parvanu, himachal pradeshat ayojit kele ahe. NatFoS 2022 madhe vigyan ani samajasya akshelaretar, jivanurog ani tika, navin urja ani sangrah.



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

Antarashtriyā Mukhya Vidnyan ani Arogyachi Sanvardhanasathi Adharbhut Vidnyanachya Shatbarshi ani Azadi ka Amrit Mahotsava cha 75 varshe smaran karun, INyas, BARC ani IIT, Delhi yanchya samarasatvaane "Sanvardhakari Vikas sathi Adharbhut Vidnyan ani Takniki (BSSD-2022)" tisare-athavde September 2022 roji DAE Convention Centre, Anushaktinagar, Mumbai madhye tin divasachya taknik symposium sammelana ayojit kele. Tya vargat aath taknik sesanshahi 32 vorodara ani ek INyas sadasya varg sammelan hota.



**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 scientific 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 105 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 Advances in Agriculture Science (iv) Mega Science Projects in India (v) Balancing Environmental Challenges with Green Chemistry (vi) Bio-technology 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:**  
 A.K. Tyagi (BARC) Chandrima Saha (INSA)  
 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)  
 P.K. Mahapatra (BARC) C. Sharma (INyas)  
 A.K. Gupta (BARC) R.S. Dhaka (INyas)

**ORGANIZING COMMITTEE:**  
 P. K. Singh (BARC)  
 R.S. Dhaka (IITD)  
 V. V. Parkar (BARC)  
 Suresh K. Gupta (BARC)  
 P.C. Rost (BARC)  
 Veerendra Sharma (BARC)  
 S. D. Choudhury (BARC)  
 S. Chatterjee (CSIR-IMMT)  
 Vikram Vishal (IITB)  
 A. Dutta (IITB)  
 J. L. Ganjkar (DYP, Kolhapur)  
 P. Vasa (IITB)  
 S. Padalkar (TISS)  
 N. Nivethida (IITB)  
 S. Arya (IIT)  
 A. Saha (IITD-Goa)  
 A. Mahajan (IIT-Pune)  
 S. Kaulley (IITCS)

**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 area pertaining to scope of BSSD-2022

**Correspondence for BSSD-2022:**  
 Dr. Prabhak K. Singh and Dr. Rajendra Dhaka Co-Convenors  
 Dr. Vivek Parkar, Secretary  
 Phone: +91 22-2559 8894/6783  
 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-Convenors BSSD-2022:**  
 Dr. Prabhak 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*



## SANVAD AYOJAN-PRASHIKSHAN ANI KARYASHALA INyas

---

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

---

Marchchya 3rd tya 5th, 2022 cha kaal, ICAR-National Research Center on Pig, Guwahati, Assam, India yanchya saha bhag yojana sahit ICAR-Schedule Caste Sub Plan Programme ani Indian National Young Academy of Sciences (INyas) yanchya saha saha bhag yojana nantar "Adharbhut Molekular Bioloji Shodhache Upakaran ani Taknikache Hatat Shikshan Prakaalp" yancha ek rajya shikshan karyakram ayojit kela. Yah karyakram Schedule Caste jamaticha hota ani adharbhut ani unch shreni molekular bioloji shodhakarta ani vidyarthi prashikshanashi hi karyakshamata vadhat astat. Bharatachya kahitari rajyanchya 11 vidyarthya shikshan karyakramat thevle hote, tyancha Schedule Caste jamaticha hota. INyas sadasya Dr. Rajib Deb, Senior Scientist, ICAR-National Research Center on Pig, Guwahati, Assam ani Dr. Pankaj Barah, Assistant Professor, Tezpur University, Assam yancha sahakari hote, yanchya coordination vargat karyakram ayojit kele hote.



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

---

INyas vargane "Biological madhye Big Data Analysis ani Integration" varga SERB Karyashala Karyakram March 21-25, 2022 roji ayojit kela. Hyancha pramukh udheshya machine learning cha emerging kshetranmadhye vidyarthya paryant lavnyacha ase. Karyakramat jenecha pravachan, Sequence platform, Data format, R cha parichay, Gene Expression Data Analysis, ML adharit prediction of long non-coding RNA, Biological

Regulatory Network Analysis, Genome Editing in Crops, Phenomics in Crops, Drug-Protein Interactions hi vishayak vidnyanik prashikshak (Dr. Rohini Garg, Dr. Gitanjali Yadav, Dr. Pankaj Barah, Prof Mukesh Jain, Dr. Mohit Kumar Jolly, Dr. Kutubuddin Molla, Dr. Durba Sengupta) dilya hote ani shikshan karyaakramat hatat prashikshan karyaakram ayojit kele hote.




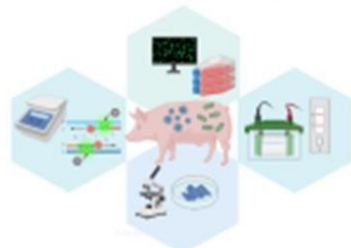
### 10. Workshop on scientific communication (online)

“Baherchya jagatil” koni audiences sangitlele vaigyanik dnyan tya audience sathi sanghanya vaigyanik sanvad, research workshops ani peer-reviewed publications mule hot nahi. Vastavik, vaigyanik sanvadha var pramukhatah vaigyanik patranmadhye, taknik reports madhye, sanvadanchya prastutitanmadhye, grant applications madhye, shodhakancha, vaigyanikancha ani taknik prakshastancha audience sathit dnyanachi communiocation kele jate. Parantu, vaigyanik dnyanachi communication, janaraksha pramanavarichya audience sathitach karnyacha, goshana dene, shikshan dyane ani vaigyanik pramukhya vishayanna jagruti dyane hi swatacha karat. Dr Dhaka ani Dr Jewariya, INYAS ne March 25-26, 2022 madhye online "Vaigyanik Sanvad Yashachi Prashikshan Karyashala" ayojit kele hote, hya karyaashalat vidyarthi vaigyanik sanvadachi prashikshan hoti.



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

2022 cha July 5th tanchi July 18th madhye, ICAR-National Research Center on Pig, Guwahati, Assam yey prantat "Pashucha roganshivar saarvajanik prashikshan karyashala sathi molecular diagnostic tools vishayak prashikshan ani adhyayan margdarshak" yanchya 14-divsatyache uchch starache karyashala karyakram ayojit kele, yancha vitta prasar "Accelerate Vigyan Scheme, Science and Engineering Research Board, Government of India" dvara hota. Ha karyakram INyas ya sadsy Dr. Rajib Deb, varishth vaigyanik ani Dr. Pankaj Barah, sahayyak pradhyapak yanchya panyat hota. Rashtra bharatil 25 postgraduate, PhD ani postdoctoral scholars ya karyashala madhil bhag ghetle. Sagale vidyarthi pashucha roganshivar saarvajanik prashikshan sathi prabhavi molecular ani bioinformatic tools yancha upayog karun sampark thodnarya karanamudhe hote. Ha karyashala hya vidyarthyanachya early diagnosis of livestock diseases sathi farkli molecular methods chya pravartanat ha pathyakram mainly purn hota. Abhyaskramache zor abhyaskriyanacha asitva aahe. Vidharthianna labat/onsite demonstration milale hote. Ya prashikshanane pasun, pashucha roganshivar cha molekular biology madhe naukri sathi navi opportunities shodhatana madat karato.

<p><b>Organizing Committee Members</b></p> <p><b>Event Director</b> Dr. Vivek Kumar Gupta, Director</p> <p><b>Event Organizer</b> Dr. Rajib Deb, Senior Scientist</p> <p><b>Event Co-Organizers</b> 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 &amp; INyas Member, Tezpur University, Assam</p> <p><b>Technical Faculties</b> Dr. Gyanendra Singh Sengar, Research Associate Dr. Joyshikh Sonowal, Research Associate</p>	<p><b>Correspondence</b> Dr. Rajib Deb Senior Scientist ICAR-National Research Center on Pig, Guwahati, Assam E-mail: <a href="mailto:drajibdeb@gmail.com">drajibdeb@gmail.com</a>; <a href="mailto:Rajib.Deb@icar.gov.in">Rajib.Deb@icar.gov.in</a> 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. <b>Note:</b> The candidates will be notified about the selection latest by 22.06.2022. In case of any query please contact Course Organizer</p> <p><b>Venue, Date and Duration</b> The SERB sponsored High-end workshop (Karyashala) will be conducted from 5<sup>th</sup> to 18<sup>th</sup> July, 2022 at ICAR-National Research Center on Pig, Rani, Guwahati, Assam, India</p> <p><b>Important Dates</b></p> <table border="1"> <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> </table>	Last Date of application	21.06.2022	Communication to Participants	22.06.2022	Commencement of Training Programme	05.07.2022	 <p><b>High-End Workshop (Karyashala)</b> 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>
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 3<sup>rd</sup> Year) actively involved in applied sciences

**DEADLINE for Registration:- 31<sup>st</sup> July 2022**

**REGISTRATION FORM:-**  
<https://docs.google.com/forms/d/e/1FAIpQLSeUQaJ5e0f483FA0zeMPLDtyly9tbV3d013oPP70iF99f0kQ/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/IQE response

Hall measurement

AM 1.5 Solar Simulator

**Speakers**

**Dr. Pooja Devi**  
Principal Scientist, CSIR-CSIO, Chandigarh  
**Topic:** Hybrid Nanostructured Electrodes for Photoelectrochemical Wastewater treatment and Hydrogen Generation

**Dr. Ramendra Sundar Dey**  
Scientist-C, INST Mohali  
**Topic:** Next-generation Energy storage and conversion system: Metal-air battery and electrochemical NH<sub>3</sub> synthesis

**Dr. Praveen Kumar**  
Assistant Professor, Indian Association for the Cultivation of Science, Kolkata  
**Topic:** Hybrid 2D Materials for Energy Harvesting Applications

**Dr. Rajendra S. Dhaka**  
Associate Professor, IIT Delhi  
**Topic:** Development of cost effective sodium ion batteries

**Dr. Akshai K. A. Seetharam**  
Associate Professor, IIT Guwahati  
**Topic:** Organometallic Catalysis Towards Green Hydrogen Generation

**Dr. Manoj Gupta**  
Scientist, CSIR-Advanced Materials and Processes Research Institute Bhopal, MP  
**Topic:** Piezoelectric Flexible Smart Nanogenerator for Energy Harvesting

**About Karyashala - <https://acceleratevigyan.gov.in/programs/abhyas/karyashala>  
Mode of Workshop - In-person at IIT Ropar, Punjab**

**Co-ordinator:** Dr. Mukesh Kumar, Associate Professor  
Department of Physics, IIT Ropar  
Email: [mkumar@iitrr.ac.in](mailto:mkumar@iitrr.ac.in) | [karyashalaitropar@gmail.com](mailto:karyashalaitropar@gmail.com)  
Research home page: [www.iitrr.ac.in/physics/faculty](http://www.iitrr.ac.in/physics/faculty)

**Organized By:-**

## 13. “Build Future Science Enthusiasts with INyas”

30

Indore IITancha Biosciences ani Biomedical Engg. Vibhag ani Indian National Young Academy of Sciences (INyas) yenem 12vi December - 17vi December 2022 rodddtai Karyashala Yojana- SERB, Bharat Sarkarchya prerna dhoranavar "Microbial Biomass ani Bioproducts Characterisation Using High End Instruments" yancha 6 divasachya Active Learning ani Hands-on Workshop ayojit kela. Karyashala madhe microbial (microalgae, cyanobacteria ani purple bacteria) pramanikaran, utpadan ani samparkit upakaran prakriyakon varun shiknavar padtahetlya sadasyanna takniki gyan vistarla dyaycha lakshya dilya hotya. Karyashala madhe, vividh microbial prakaranchi drushti, parichay, utpadan ani tyache

rakshanache takniki tattv apeksha hotya. Hyanchya karyashala madhyambari, HPLC, GC-MS ani optical microscopy jaise tattvanchya anshatwanna sambandhit prakalpachi tayari ani takniki tattvancha gyan sadasyanna prapt zhala. Tyanche microbial biomass varil purna biochemical profiling (total lipids, proteins, carbohydrates) karyacha kaaryakram UV - visible spectroscopy madye sadasyanna sahabhagi hote. Sadasyanna IIT

**6 Days Active Learning and Hands-on Workshop on**  
**"MICROBIAL BIOMASS AND BIO-PRODUCTS CHARACTERISATION USING HIGH-END INSTRUMENTS"**  
 From 12<sup>th</sup> December - 17<sup>th</sup> 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)

**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: **20<sup>th</sup> November 2022**
- List of selected candidates will be announced on: **21<sup>st</sup> November 2022**
- Workshop dates: **12<sup>th</sup> - 17<sup>th</sup> December 2022**

**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/9Jv3FCUqbZEB13cn8>  


For further updates please visit:  
<https://sites.google.com/view/aetsiit/karyashala-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](mailto:algalecotech@gmail.com)

Indore madhye Sophisticated Instrumentation Facility (SIC) la gheun jaayche gele hote, tyamule NMR spectroscopy, confocal and electron microscopy, LC-MS ani GC-MS analysis yanchya mule wakdele gele hote. Bharatatyia vividh sanstha paryant tondachya M.Sc. ani Ph.D. padvyapurna sadasya yanche, jyanni 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 ani Delhi University yanche hote. Shubhaarambhachya Karyakramat IIT Indore madhye shubhaarambhachya karyakram ayojit zala hota 12vi December 2022 la. Prasiddh vaigyanikanchya abhimanachi abhivadan sabha IIT Indore madhye ayojit hota, sadar Parasharam M. Shirage, Dr. Abhijeet Joshi ani Dr. Hem Chandra Jha jyanni IIT Indore, Dr. Manivannan Elangovan jyanni DAVV Indore ani Dr. Pritam Sangwan jyanni DRDO, New Delhi madhun shikvalya.

### 14. IISc and INyas two-day workshop

DST-CPR, IISc ani INyas sahabhagi houn 24vi - 25vi June 2022 cha dvi-divey kaaryashala ayojit kele hote, yat aalelya INyas sadasya ani alumnichya sarvankaleen va madhyamvargiya shodhakancha abhyas hota. Yache shodh parikshan prakriya bhara varil majbutyan va khamiyan var suchalane sahakari baslya paryantichya prakalpana sah bhintar kelelya sarvashreshtha prakalpananche vichar karava lagla hota. Karya shala madhye sarvadnya vishayak prakriya parikshanache punhach alochana nantar prakriya punha sarvathar sthapan karavaichi awashyakta ani visangatiyak va sansthaik paristhithiche vichar karawaicha janiv hota, pramanatmak ani guNaporvak matanchya taulanyacha sudhar ani vignyanachya

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

**HOW TO INCREASE TRUST AND TRANSPARENCY?**

- Open assessments, sharing detailed peer review feedback** with the candidates, and disclose the reviewers and review committee in the institutional rating agency website. Online tracking of progress should be made available at each and every stage.
- Diversity of peer review committee** Inclusion of discipline/field specialists (theory, experimental, 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 those suggested by the applicants) should be considered for promotion appointments in all stages. This will also address issues related to conflict of interest in the recruitment committee.
- Diversity of review committee** Young scientists, cross-disciplinary experts, field practitioners/community members, and other relevant expert stakeholders (e.g., industry) should be part of the review committee.

**Few prestigious journals and awards**

It is a given that should be listed and considered for assessment. Legitimate awards should be identified by the institution 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, such that, for 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, needs assessment, etc.) and guidelines for assessment of proposals and reports. Qualitative impressions for outperforming output shouldn't be vague.

**Publications beyond research articles**

Publications assess should go beyond research articles and consider other outputs, such as research, teaching, and training materials.

**Increasing trust and transparency**

Publications beyond research articles should be considered for awards.

**Legitimate awards should be listed for nomination/promotion**

**Open assessment**

Peer-to-peer extensive peer review feedbacks at all stages.

**Online tracking of progress of each and every stage.**

**Using reviewers and review committee available in the industry (not gagging) contacts.**

**Publications beyond research articles**

Qualitative impressions should be listed for nomination/promotion.

**Legitimate awards should be listed for nomination/promotion**

**Unambiguous roles for all roles and positions**

**Introspection on obsession**

**Diverse review committee**

**Adaptability in the assessment process to accommodate multiple challenges and metrics in assessment committee**

**2 Days**

**40 Young researchers**

**4 Focus areas**

The multiplicity of the research assessment process is only expected given the sheer vastness of India's research and academic ecosystem. To understand them better – the good, the bad, and the ugly – a joint collaborative workshop was organized by DST-CPR, IISc and INyas on 24th and 25th June, 2022. Early and mid-career researchers from about 40 research institutions participated in the online two-day workshop to debate and deliberate on the current practices and the workable recommendations.

**HOW TO MAKE RESEARCH ASSESSMENT MORE EFFICIENT AND RESPONSIBLE?**

**Create adaptive assessment criteria based on disciplinary context**

Different journals are essential for different contributions – research, mentorship, teaching, administrative responsibilities, institute building, student outreach and societal communication.

**Clearly spell out policies and guidelines**

Institutional policies and guidelines are needed at every stage for recruitment, promotion, and project grant. This will avoid the confusion that the current informal ones create. Reviewers need to be sensitive to their review guidelines.

**Include quantitative metrics in research assessment**

but only those which can identify the research outcomes of the applicants without creating unintended biases.

**Obsession over Journal Impact Factor is undermining research quality**

Reputable academic society awards might not be as high impact factor as commercial publishers but regularly publish high quality research, and need to reach importance.

**Contribution in a published project, not position in list of authors/Pis, should be considered**

Acknowledge and give due credit to all the authors in publication based on their contribution instead of only to the first and corresponding authors.

**Crosstalk among granting agency**

It is essential to have parallel to avoid overlapping of similar research across all national funding agencies.

**Equity and inclusion**

Flexibility in the assessment process to address various challenges faced by women scientists.

**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 more projects.

**“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”**

**“Adaptive assessment criteria”**

**“Obsession over quantitative metrics should be introspected”**

**“Equity and inclusion”**

**“More focus on strengthening human resources in grant management”**

This work is licensed under CC BY-NC-SA 4.0



samajavaril prabhavala tondachya matanchya taulanat samavesh karanyacha awashyakta hounyachi tondahatle.

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

**HURDLES IN THE ASSESSMENT SYSTEM**

- Lack of transparency in metrics of assessment publications:** Lack of transparency in metrics of assessment publications and over of them is, they are not in line with the goal of being long-term solutions also because a single for assessment.
- Too much stress on quantitative metrics:** Too much stress on quantitative metrics, number of publications and impact factor have been considered but not enough acknowledgment for all the contributions of quality, research, mentoring, etc.
- Impact of research:** The impact of research is not represented in the publications.
- Ranking of research:** Ranking of research is based on global standards but not based on the quality of research.
- Assessment in faculty:** Assessment in faculty is based on past experience and publications, but not on the quality of research.
- Leadership changes in institutions change research practices:** The ability to change research practices is not represented in the publications.

**GOOD PRACTICES FOR WIDER ADOPTIONS**

- Focus on translational research:** The number of patents of research area indicates an increase in the level of research in emerging interdisciplinary fields. This is a clear trend of research focus on the applied science or society.
- External peer review with field relevant expertise:** External peer review with field relevant expertise is an important component of research assessment.
- Assessing the first project's performance for future project applications:** The first project's performance is an important indicator for future project applications.
- Department Chair positions to young faculty:** Department Chair positions to young faculty is an important practice to encourage research.
- A talk on future research goals by applicants:** A talk on future research goals by applicants is an important practice to encourage research.

**ACKNOWLEDGEMENT**

This workshop is part of a series of activities conducted under the project 'Building the Genome Platform for Research Assessment within Indian Institutes' funded by DORA under Community Engagement Grant.

**Organized by:** National Institute of Biomedical Genomics (NIBG), Indian Institute of Technology (IIT) Bombay, and the Department of Biotechnology (DBT), Government of India.

**Co-organized by:** National Institute of Biomedical Genomics (NIBG), Indian Institute of Technology (IIT) Bombay, and the Department of Biotechnology (DBT), Government of India.

**Supported by:** National Institute of Biomedical Genomics (NIBG), Indian Institute of Technology (IIT) Bombay, and the Department of Biotechnology (DBT), Government of India.

**Partners:** National Institute of Biomedical Genomics (NIBG), Indian Institute of Technology (IIT) Bombay, and the Department of Biotechnology (DBT), Government of India.

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

Glostem ani INyas ekaatrit houn "Genome Editing" vishayak jatiya shibira-cum-webinar 7 divsat chalu rahila. Yache avhan 27 June 2022 to 03 July 2022 (6:00 pm to 8:00 pm) sandhyakalat online dakhavlelya hotya.

**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**

**The Expert Faculty**

**CONFERENCE CHAIR**  
 PROF KC BANSAL  
 Secretary, NAAS, India

**CO-CHAIR**  
 PROF YIPING QI  
 Univ. Maryland, USA

**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](http://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 associate 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 IISc, Bangalore; NCBS, Bangalore; CSIR IITB, New Delhi; CSIR ICMR, Hyderabad; IIT, Kharagpur; DBT-MADR, Mohali; DBT-NIPGR, New Delhi; IISER, Mohali; ICAR-IARI, New Delhi and ICAR-NIBBI, Cuttack.

**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 Tolerances, Plant-microbe interaction, Functional Genomics, Transcriptomics, Metabolomics, 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 2000/-  
**Register Online at**  
[www.glostem.in](http://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

8289015050 | s.kanwar@glostem.com  
 9041725050 | www.glostem.in

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

July 18-22 2022 chya awadicha dora "Archaeological and Cultural Heritage Research using Remote Sensing and GIS technologies" ya navin shetra madhe ek shivir ek aste. Ha karyakram prashikshan ghyache hote, chalu zalele pradarshan ane haatmadye session chehrya experts adhinyasthate. Tya tahaan jyamule remote sensing ane GIS vyavasthapan, bhoomitattva prakruti, optik/radar/lidar datachi abhyas prakaranatil archaeology. Ha shivir sarva bharatatil vidyapeethanchya shikshan samuh, anuyaayi ane abhyasarthi yaat yetat. Ek open-call prakare 100 pratyasathi aalelya anekaan pratyekatil 30 nivadale jatat. Shivir Dr. A.S.Kiran Kumar, Mote ISRO chairman, yaane pravachan kelya hote ani to khuppreranaadayak hoto. Dr. Shefali Agrawal IIRS, Dehradun, Hrishikesh Kumar SAC Ahmedabad, Dr. Javed Malik IIT Kanpur, Dr. Ekta Gupta IIT Gandhinagar ane Dr. Kuili Suganya ya mahattvachi gosta prakaranat tetech hote. Shivirachya ane aaplya NIAS faculty che bhagidar Dr. P. G. Diwakar ani Dr. M.B. Rajani yaani kela. NIAS chya abhyas sahabhagi (Aishwarya Mhaske, Gaurav Pal, Shubhi Mishra, Arya S Pradeep ane Mythrayi Harshavardhan) shivir madhye haatmadye sessions

aayojit kela. Shivir Dr. Shailesh Nayak, NIAS, Bangalore cha valedictory pravachanane samapto.



### 17. 3D Landscapes at NIAS, Bangalore

Dr. M.B. Rajani, INVAS, NIAS, Bangalore, Maret 21st ani 25th, 2022 rodddtolo “3D Landscapes” samorchem dor asa, samaznkaranchim prayogan karyakram magir gheun, sarakari kadun remod zatta ani GIS wadvan ulekhanni prakriya ityadichya vishayak goshti gheun researchersanche kaushalya vadhtat.



### 18. Science Awareness workshop on recent trends in healthcare research




Dr. Kalpana Nagpal hea amkamchem "Science Awareness workshop" ghetlo, "recent trends in healthcare research" tancher udok ekvot ani kallzanth hands-on session ani Vivekanand Auditorium, Gurugram Global College of Pharmacy, 5 KM Milestone, Kheda Khurampur,

Farrukhnagar Gurgaon (Haryana)-12250. E workshop B Pharmacy 3rd ani 4th year students soglea ani targot hota. Hea workshopant 5 vachpi zata: 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) ani 5. Dr Kalpana Nagpal (Associate Professor, Amity University, Noida).



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

Eureka Science Club, Sindhudurga sah INYAS, Mumbai Chapter kaddchi "Vidnyan ani Robotik-Saha Fun" Shala shikshakanna ujvala udyojakata, vidyalayik vidnyan va shala shikshan sathi doghancha anand havi workshop aayojit kela - workshop practical ani navin

 <b>Eureka Science Club, Sindhudurg, Maharashtra</b> <i>in collaboration with</i> <b>Indian National Young Academy of Sciences (INYAS), Mumbai Chapter</b>		
<b>Date: 31<sup>st</sup> Oct. 2022</b> 10 am to 4 pm <b>Fun with Electronics</b> For STD- 1 <sup>st</sup> To 4 <sup>th</sup> Experiments based on Breadboard, LED, Resistors, Buzzer, Sensor, Motor, Switch	<b>Date: 1<sup>st</sup> Nov. 2022</b> 10 am to 4 pm <b>Electronics &amp; Robotics</b> For STD- 5 <sup>th</sup> To 10 <sup>th</sup> 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 : <a href="https://forms.gle/B5ULva5ZGQGHcNwW7">https://forms.gle/B5ULva5ZGQGHcNwW7</a> Offline Venue: Vidyaniketan Convent School, Kasal, Sindhudurg, Maharashtra	
Organisers from INYAS : Dr. Vivek Parkar, Dr. Jayavant Gunjekar from Eureka Science Club: Mrs. Sushama Keni		

vicharancha adhar aslya mule. 31 October ani 1 November 2022 la Vidya Niketan Convent School sindhudurga, Maharashtra yethil Eureka science center, Sindhudurga in INyas, Mumbai Chapter sahakarya karaun purna shikshakancha sasar divasatmak elektroniki ani robotik shala shikshakanna ujwal karayla upayog yet ahe. Bhushan Pangam yanche team shikshakanna margdarshan kele. Don divsatil char session ahot. 31 October 2022 la, 10:00 to 3:00 paryant, 1st to 4th standard vidhyarthiyon sathi pahila ani dusara session ghyaycha ahe. Don vidhyartha group ahot ani pratekala electroinc kits dyayche hote ani tyana resistors, LED, diodes, sensors, magnetic sensors, buzzers, battery chi positive ani negative terminal, adi che kaam sikhavtat. Tyana haatavar shikshan dyaycha hota. Shikshakanna sanstha samor pahila panyasathi pump kase chalu hoto, touchless doorbell IR sensor use karun kase banavayacha ha kaam sikhavaycha hota. Tyana shala vidyartha purna electronic circuits jodun ghayache hote. Te bhandar sangitlele ahet. Dusaryala divas, 1 November 2022 la 5th to 10th standard vidhyartha sathi session aayojit kela gaya hote. Don shatakana 85 vidyartha shamil hota. Vidhyartha tyanche navin navin vichar suddha dakhavun ghetote hote. Bhushan sir ani te tyana tyancha prashna dur karayla prashna ahet. Tyani don session vidyartha ani shikshakanna sathi anandadayak hota.

## 20. Conference on basics of Research Methodology

---

NYAS duiin Central University of Punjab, Bathinda ani AIIMS, Bathinda antruzachem "Research Methodology" khoxem mel'lem uprant chuk Navembaracho dis 03 xim gaitti offline ani online modesat.

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

---

Dr. Ritu Gupta yanchya prabodhanat 19-20 April 2022 madhye astitvachi kayam sthapan karava ani samanantar aushadhi va tantradnyanache vilasit jalad ya janivanchya pakshat laksh samasya vidarshanachi sadhanatmak pahat gelya hote. Hi goshta sarvadhunik aushadhi, jiwavidnyan, vastu abhiyantriki, bahumulya vidyamanache tondar ahe. Hi aitihisik sammelan, deshdrohi



## 22. “Build Future Science Enthusiasts with INyas”

---

INyas cha NASI ani INSA sahakarya karta, IIT Delhi che physics department war "Build Future Science Enthusiasts with INyas" tisra divasachi (26-28 November 2022) workshop, gramini vidyarthiyansathi chookas ghadleli hoti. Hetuvar naab vargache margdarshan, ubhara taasanchi disha, udyojak technologychya sarvottam facility varun sangopan ani hatavar prakriya prashikshan aste. Rajasthan chi Swami Vivekanand School che saatra vidyarthi (das baalak ani saat baalika) ani teen shikshak workshop madhe sammilit hote. Pahila divas registration pasun suru hota ani Rajendra Dhaka (INyas che Chair) che pravartanik session hota. Te workshop che janm ani INyas che mandat ani drushti vistarle hote. NASI che upadhyaksh Anurag Sharma arogyasathi margdarshan dila ani vidyarthi samparkache otas chalu kele. Dr. Charu Lata yanna bhetlya jatata ani interactive quiz shirvadlya jatata. Tichi quiz "Back to our roots and the science behind" tyacha quiz che vishay hota. Dr. Ali Haider energy ani nanotechnology varun sampark dila. Dusrya divas "Rural to Robotics" chi Talaathi mahiti dili ani RuTAG ani robotics lab varun bhraman kele. IIT-Delhi var develop kelelya RuTAG ani robotic program madhil avashyakta anusarinnovations vidyarthyanche darshil. Tarun-bharat Abhiyan (UBA) che Biogas ani waste to wealth lab bhraman team members Prof. Vivek Kumar yanna keli. Tinrya divasat DST-INSPIRE cha Dr. Umesh Sharma ani DST cha Dr. Akhilesh Mishra vidyarthiyansathi Fellowship opportunities varun sampark dili. Dusrya divas hatavar prakriya prashikshan var aarakhade. Accelerator demonstration, superconductivity, battery, shape memory, wonders of biology - DNA isolation, foldscope ani Chemistry of nutrition - natural indicators and pH, nutrients for health hi prakriya prashikshan karayacha hota. Dusra divas sampla national science center var. Teesra divas ICAR-IARI var state of the art facilities che bhraman kele. Genomics var Discovery Center che suvidha sahaaj ani shivani (IARI-Physiology) cha margdarshan milala. Rajiv Ranjan (IARI-Agri. Physics) drone ani Big Data analysis cha Discovery Center sathi sahayyata karun dila ani vidyarthi prashnottar kele. Vidhyarthi agryasathi drone adharit abhyasache vibhag madhe. Teesra bhraman IARI-Phenomics facility var sampurn hota." 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 ani INVAS 16-22 November 2022 roddtta "Green Energy Harvesting ani Storage: Materials, Methods ani Applications" hea vishayat SERB sponsor dhiatat workshop IACS dadde utsovert ghetla. He workshop Master's ani PhD chya vidyarthiyana sath dakhavtala gelela hota.

Invited Speakers	 Prof. D D Sarma (IISc Bangalore)	 Prof. Amitava Petra (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 Palltosher (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	<b>Convener:</b> Dr. Praveen Kumar		<b>Organizing Team</b> Prof. Narayan Pradhan Prof. Ayan Dutta
			Dr. Subhdeep Dutta Dr. KDM Rao Dr. Urmimala Maitra
<p><b>Important Dates:</b>                  Registration opens: <b>October 15, 2021</b>                  last date for registration: <b>October 28, 2021.</b>                  Display of shortlisted candidates: <b>October 31, 2021</b></p>			
			

**Green Energy Harvesting and Storage:  
Materials, Methods and Applications**



**November 16 – 22, 2022**




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



## Vishes Divasancha Sajra

### 24. National Science Day Celebration jointly organized by INyas and INSA

INyas ani Indian National Science Academy (INSA) manrrar "Rashtriya Vignan Divas" disanta 28 February 2022, dopahar 10:00-12:00 vazrantlean online program ani. Dr. A S Kiran Kumar (ISRO - Indian Space Research Organization chea adhyaksh) tanchi "Harnessing an Emerging Technology: Is there a Lesson in India's Space Efforts?" tachem public lecture deliver kelem. Dr. Kiran Kumar Dr. Vikram Sarabhai chea vision sambhavlea ani ISRO che landmark achievements, jait astros sciences, meteorology, disaster management ani agriculture, tancha lecture madhle. Tyache Chairmanpadavik aste Chandrayaan ani Mars Orbiter Mission hanchi purna-karyanvya ani space debris tache prashnans konnche saval javab dila. Prof. Chandrima Shaha (INSA che President) "philosophy" of science vishayak vyakhyan karun, mahiti dile ki "discovery meets the prepared mind" ani global solutions barobar science communication che mahattv dila ani manun sangitle ki inheritance vicharotli duniya chea konnak bijaark bhtar science anik apovnav. Prof. Devang Khakhar (INSA che Vice President) ek suttle ani impactfull presentation dila ani '4' navin discovery, the 10-Billion-Dollar James Webb Telescope; the Tokomak; the glimpses of cure for HIV; 2-D polymeric ultra-strong material, ani tyatla bhavishya madatanche pratiphal dislyache mahatv sangitle. INyas National Awards for Research Excellence announce zala, ani tyache praptikanchi suchi

#### ***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

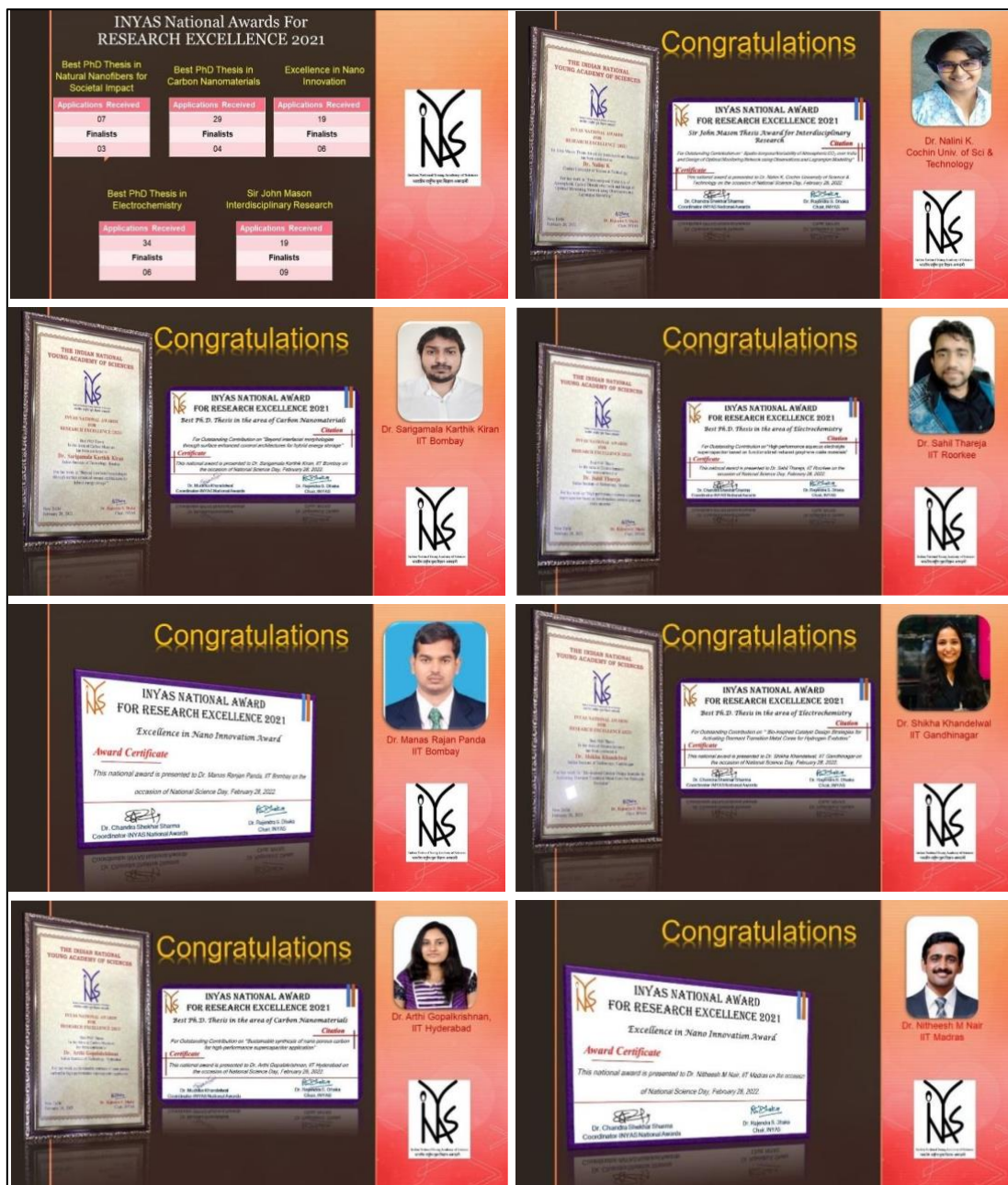
Dr Sahil Thareja, IIT Roorkee

#### ***Sir John Mason Interdisciplinary Research***

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



Prof. Devang Khakhar vistt ani INyas Newsletter che navin prakashan dnyanarajya bahu bhashe var e-release keli. Dr. CM Nautiyal (INSA) dhanyawad prastaav vachala. INyas yashasvi National Awards for Research Excellence 2021 prapt kartaana haa sabhovati sanman hota. Metrohm India Ltd., E-Spin Nanotech Pvt. Ltd., Sandip Patil, Sivaraman Karaikudi, Mudrika Khandelwal ani Carbon Laboratory jeva sarv sanman sponsoranna dhanyawad. Shresht naavsar prapt kartaana jury sadasyanna dhanyawad.



## 25. International Women’s Day Celebration

INyas ani International Women's Day event 7 March, 2022 roddunk ek virtual platformant 5:00 pm-ni vorsheanchi bhorie sajun zallunk. IISc Bengaluru cha Prof. Rohini Godbole ani IIT Delhi cha Prof. Ram Ramaswamy prasansak ghetle aple aawhan karnara. INyas aple tarfe akhirine yuvati vaigyanikana himmat denyasathi ekachit kiti goshtiche tyani te purn karayche pryatan kartat. Tyach prayaasansarkha INyas aniya varshanchya ajun ek WiNYAS (Women in INyas) che saglyan sadasya ani Alumni cha sampurna sangrahan tyani avsaravar prakashit kela. Hey varsh International Women's Day chi raatryane, INyas Maharashtra-Rajya Vidnyan Parishad (MRVP) chya sahyogat 50 enrolls kelele paryavaranachya yashasvin tarikanchya sambandhit, Akadamiyatil Striyancha Bhaudhik Bhumika: Bharatiya Sandarbhat Dhyana-purti Nidhe Saambhalche Tarke aikla.

**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

Mathematics Vibhag, NIT Nagaland INyas - North East Local Chapter sobt Kitem S.S. School, Seiroozha ani Shekinah School, Chumukedima yeta International Mathematics Day 14 March 2022, sanchea Pi Day or Vasant Aayadichi suttu sambharlo. MMD D-D chi format madhe 14 March tayach famous mathematical constant Pi chi pahilichi tin paripurna anka, tyanmule yach divasala Pi Day mhanun kahatay. St. Savio School madhye hotasudha tayach pramukhanshaktichya abhivadanatil Vidyapithadhyaksha dwara, Dr Manoj Kumar Patel (Coordinator, INyas - North East Local Chapter) ani don ganitachi vidwat che dabdabdi karnarya Himangshu Chakraborty ani Palash Nath, divasachya goshtisamavya prakarcha

chalan kartat. Tyani samanya vigyan ani ganitache sundar tatva sangitle, aani ganit ani vigyan olimpiyadani uttam sthananche dyayache prerneputri dili aani shalakaycha prayatna keli. Suttiat tyanna shalakayanmathitlya vidyarthya mathe-matyetil gyan prakat karnyacha upay milala. Gondhalacha ant, don shalaanche uttam vidyarthya shalar pakshi lavle.



Shekinah School madhli vatavaran 1.00 pm var shuru zala, tya var Pramukh Shekinah School che abhivadanat dwara, Dr Manoj Kumar Patel (Coordinator, INyas - North East Local Chapter) ani don ganitachya vidwatanna Laba Kr Das ani Gaurab Bardhan tyanchya dabdadbi karnyacha session chalan kartat, tyamule divasachya goshtisamavya prakarcha chalan kartat. Tyani samanya vigyan ani ganitache sundar tatva sangitle, aani ganit ani vigyan olimpiyadani uttam sthananche dyayache prerneputri dili aani shalakaycha prayatna keli. Suttiat tyanna shalakayanmathitlya vidyarthya mathe-matyetil gyan prakat karnyacha upay milala. Gondhalacha ant, don shalaanche uttam vidyarthya shalar pakshi lavle.



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

Dr Jitendra Kumar Pattanaik, INyas April 22, 2022 la Punjabache Central University, Bathinda madhye "Prithvi Dina 2022" uddeshane ek divasachya karyakramache ayojan kele hote. Tyamule 4 mahanbhashanakaryanchya pravachananchya distyat hote: 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. Ekanchya vadivar jadach 250 vidyarthi (uchchamadhyamik pasun M.Sc. vidyarthi sudha) karyakramasathi upasthit hote. Pratyekachya sateekancha pratistapan, abhivyakti ani poster pan upasthit kele hote.

**Earth Day Celebration, 2022**  
**'Invest in our Planet'**  
 on 22<sup>nd</sup> 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

**Ministry of Earth Sciences**

**CENTRAL UNIVERSITY OF PUNJAB**

**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 ANI VYAKHYAAN

### 28. Med-Manthan (Webinar Series)

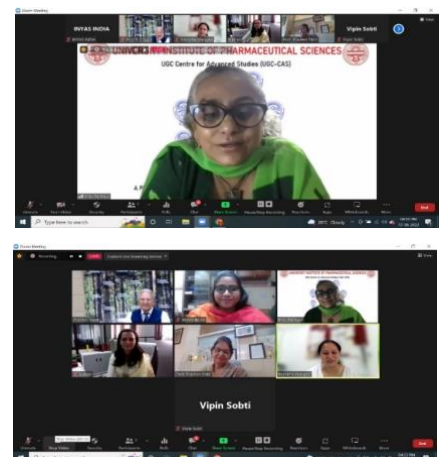
Nasion ani antarjatiy swasthya saadhanache divas mahatvapurna swasthya vishayanchya vishleshan, chintan ani jagrutiche uttam avasar astat. Te divas swasthya vishayanchyaa sambandhit grasthiche prabandhanat aamhi kayamchya stakholder: klinisian, shodhakarta, vaidhyakiy vidyarthi, rogipun ani samaj sarvatha darshvit karaun pradarshito pahije. Med-Manthan he INyas-Kolkata Bhubaneswar shakhatun prastavit kela gelelya divasanusar klinisian, shodhakarta ani/ kiva (adhikari) vyakti yanchya netrutwane vyakta karayache webinar pravasthite pasun ahe.



### 29. Webinar on WISE-Women in Science

Dr. Nishima Wangoo-cho Panjab University, Chandigarh ani Association of Microbiologists sobyotok asaun Webinar "WISE-Women in Science" 17 June 2022 roddunchea. Prof. Indu Palancha bhas korunk zalya.

### 30. A webinar series on "Advances in Materials Science and Engineering"



INyas Kolkata Bhubaneswar chapter dhorun Indian Institute of Metals Bhubaneswar chapter ani AMSE 2022: “Advances in Materials Science and Engineering” Webinar series. AMSE 2022 chea ek ek session madhye ek prakarcha visheshgya davar Aani ek navin prashikshanachi kamgirinchi takrar asata. Tyanni prachin v tyachya samajik pahelu disatun tyanchya sarvatha navin shodhatun vichaar kele hote.

Advances in Materials Science and Engineering (AMSE-2022) chea INyas Kolkata Bhubaneswar chapter dhorun, Indian Institute of Metals Bhubaneswar chapter ani sanyojanat waslela. AMSE-2022 cha pratham v prarambhik session var Prof. Rabibrata Mukherjee IIT Kharagpur ani Miss. Prachi Rajput CSIR-CSIO, Chandigarh cha ek ek visheshgya asalela. Tyancha session Bangladesh sarakhya samorinchi pan adhikari ya jhalya tyanchya shirshikashi sadasya vikhyat hote.

### **31. Health Talks at UIET, Panjab University, Chandigarh**

---

Dr Wangoo ani Panjab University, Chandigarh UIET-ponn "Health Talks" adyant ek sojlem xikavnchem kallzak vorsa mhunnunk zoddevponn vorsa ubhoront zoddunk.

### **32. Teach for Science Fellowship” program**

---

INyas ani PRAYAS sahakari karellea "TEACH FOR SCIENCE" ek talk series, Dr. Pooja Devi yanchya margdarshane, INyas Chandigarh Chapter madhlya. INyas CH chapter sadasya Dr. Ramendra S Dey, Dr. Neha Sardana, Dr. Nishima Wangoo, Dr. Sughandha, Dr. Riffat John ani Dr. Pooja he series madhe shikshakade bhashan dili ani UG/PG vidyarthi sobat bolale. He series 2nd July roopant 14th August 2022 paryant chalu hota.

<p>PRAYAS Progressive Regional Association of Youth for Advancement of Sciences in association with INyas Indian National Young Academy of Sciences</p> <p><b>Materials in Optical Sensing of Water Pollutants</b></p> <p>Under Teach for Science Fellowship Program</p> <p><b>14TH AUG 2022 12:30 PM</b></p> <p>Register at : <a href="http://tinyurl.com/ifs-lecture">tinyurl.com/ifs-lecture</a></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><b>Advancements in Biosensing and Drug delivery</b></p> <p>Under Teach for Science Fellowship Program</p> <p><b>30TH JULY 2022 4 PM</b></p> <p>Register at : <a href="http://tinyurl.com/ifs-lecture">tinyurl.com/ifs-lecture</a></p> <p>Event Coordinators: Dr. Pooja Devi Core-Committee Member, INyas Dr. Bindhya Arora President, PRAYAS</p>  <p>Dr. Nishima Assistant Professor UIET, P.U., 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><b>How do plants respond to the environment</b></p> <p>Under Teach for Science Fellowship Program</p> <p><b>23RD JULY 2022 11 AM</b></p> <p>Register at <a href="http://tinyurl.com/ifs-lecture">tinyurl.com/ifs-lecture</a> 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><b>Mathematics: Why to study?</b></p> <p>Under Teach for Science Fellowship Program</p> <p><b>16TH JULY 2022 2:30 PM</b></p> <p>Register at <a href="http://tinyurl.com/ifs-lecture">tinyurl.com/ifs-lecture</a> 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><b>"Metamaterials"</b></p> <p>Under Teach for Science Fellowship Program</p> <p><b>9TH JULY 2022 11 AM</b></p> <p>Register at <a href="http://tinyurl.com/ifs-lecture">tinyurl.com/ifs-lecture</a> 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><b>"Nanoscience and Nanotechnology- Role of electrochemistry"</b></p> <p>Under Teach for Science Fellowship Program</p> <p><b>2ND JULY 2022 11 AM</b></p> <p>Register at <a href="http://tinyurl.com/ifs-lecture">tinyurl.com/ifs-lecture</a> 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"

Aligarh Muslim University's adhinyanusr ani Ministry of Jal Shakti, Department of Water Resources, River Development ani Ganga Rejuvenation, Government of India dwara mila patr vishayi, "Jal Shakti Abhiyan: Catch the Rain Campaign - 2022", Department of Physics, Aligarh Muslim University, Aligarh ne aplya anukoolniya ani pracharit kela. Abhiyan che prachar ani "Jal Andolan" che "Jan Andolan" banvayche uddeshya sodun, Physics Vibhag Water Conservation tondavarun eka jan jagarukta bhetichi yojana aayojit keli. Aligarh Muslim University's Civil Engineering Vibhag che Prof. Mohd. Masroor Alam, 2nd July roji dopahar 11.00 pasun Physics Vibhagache Conference Hall madhe "Water Conservation" he vishayavar eka prasiddha/public bhet aayojit kela. Physics Vibhag che Chairperson Prof. B. P. Singh ne mukhya atithi Prof. Mohd. Masroor Alam, Civil Engineering Vibhag, Aligarh Muslim University, Aligarh ani sagale shikshakani ani vidyarthiyanni swagat kele. Prof. Singh ne "Jal Shakti Abhiyan: Catch the Rain Campaign - 2022" vishayi janun ghetle ani tya prakalpanechi mahattvachi mahiti dili. Dr. Jai Prakash ne "Jal Shakti Abhiyan-Catch the Rain Campaign-

2022" chi mukhya future discuss keli ani bharat sarkarani pani bachat cha rashtriy vishayi tondavli. Tyane Physics Vibhag dwara mala varshatil abhiyanacha aplya adopt karun prachar kela ani tya adhich vishayavar ek webinar ayojit kela jya madhe Physics Vibhag building che rooftop varun varsha panyacha sangrah kele ani "Water conservation roof top rain water harvesting" he vishay discuss kela. Mukhya atithi ani aajche bhashyakar Prof. Mohd. Masroor Alam mhanala- "Pani jivanachi "Amrut" ahe ani panyapasun jivan sambhav nahi. Dharti oksijan, pani ani sarthak temperature praman mule jivant zale ahe.

### 34. "Advances in Materials Science and Engineering" 2022 - Second session

INyas Kolkata Bhubaneswar adhyay sah Indian Institute of Metals Bhubaneswar adhyay assa AMSE 2022: "Materials Science and Engineering" vishayak ek webinar series aythana. Yevonk zaiant ek expert ditanv ani lokanchya najuk shodhavar ek samajik ani takaniki disha sangitle. Chantakar aple anubhav dakhavun Dr. H S S Ramakrishna Matte, Scientist, Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru ani Dr. Kampara R. Kishore, Research Associate, CARBON LAB, Indian Institute of Technology Hyderabad yevonk goxim ditanv.

<p><b>July 20, 2022,</b> <b>05.00 PM</b></p>			<p>Join Zoom Meeting  <a href="https://us02web.zoom.us/j/85651830140?pwd=aEhxRmtWZFcVcVU1WTG1OQ1lpajJlUT09">https://us02web.zoom.us/j/85651830140?pwd=aEhxRmtWZFcVcVU1WTG1OQ1lpajJlUT09</a>                      Meeting ID: 856 5183 0140; Passcode: 871267</p>
	<p><b>Dr. H S S Ramakrishna Matte</b>                      Scientist, Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru</p>		<p><b>Dr. Kampara R. Kishore</b>                      Research Associate, CARBON LAB, Indian Institute of Technology Hyderabad</p>
<p><b>Topic: Solution Processing of Low-dimensional Materials and Applications</b></p>		<p><b>Topic: Electrospun Nanofibers for Energy Environment and Healthcare Applications</b></p>	
<p><b>Organizers: Dr. Sriparna Chatterjee, CSIR-IMMT Bhubaneswar and Dr. Praveen Kumar, IACS Kolkata</b></p>			

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

Societyantlem aple shodh samajik jagrutikaran vadhanyasathi ani shastrajnyanikana vegl tar opportunities prapt karayachyasathi aple shodhachi sovva mahatvachi zaali ahe. Maharashtraat shastra ani samajat chukichi kami ahe. Media samaj ani shastrajnyanacha crucial bridge ahe. INyas Delhi NCR adhyayann tiatr "Tumche shodh media ani saha komunikat kasa karayacha



?” ha adhich workshop 30 July 2022 roj 11 vajta uttavl. Dr. Dinesh C Sharma, ek janaat science journalist, webinar ditanv ani interactive session saha INYAS sadasya/Alumni sathi ghotallela. Dinesh C Sharma ek award-winning journalist ani author ahe. Yaani 35 varshanni anubhav ani rashtriy ani antarrashtriy media outlets sathi shastracha ani takanichya vishayavar rupantar karun khara karanyache rahasya dakhavile. Tyane media barobar kontyach lokanbarobar kasa sovva karayacha he samjhayala pan asa ahe ani press release yache basics prasiddh kelay. Dr. Veda Krishnan webinar samvadhan karun thevun dilya. Dr. Rajendra Dhaka INYAS activity presenter kelay ani webinar samavishayi pravachan thevun dilya. Dr. Kalpana Nagpal vote of thanks presenter kelay. Dr. Meher Wan Delhi NCR adhyayann dya anubhavat samavishayi samagrya coordinated kelay.

### 36. Vigyan Pe Charcha: A Bimonthly Lecture Series”

CSIO JIGYASA Team, INYAS, VIBHA Chandigarh ani NASI Chandigarh ekatrit houn "Vigyan Pe Charcha" shala vidyarthya sathi prathmik shala vidhyarthyanche bhimonthly pravachan series sammilit ayojit karun saramjave. Dr. Mahak, Dr. Pooja ani Dr. K.K. Bhasin hachya pravachanat CRISPR praudyogiki, bhumika, janvaibhavache prashasan ani rasayan shashtrachya akarshak pahalutondat ala hota. Dr. Pooja (INyas che Samanvayak Sadasy ani CSIO JIGYASA che Nodal Officer) hya karyakramache srijan ani samanvay kele.



### 37. Public lecture on Paediatric COVID

Inyas-lucknow-kanpur (lko-knp) chăptara\_aanaa “baayal fuđaaaryaanee lingeek khaņa křetr kashen nevhigeť karachen” haacher bhausheek vyaakhyaan 8 maarch 2022 disaa đađ urvaashee saahanae haanņae snyuktapaņaan csir-cdri aanee cmo-lucknow haanņae samanvay saadaló.

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



Aagaa\_oo in mātriks saayans an̄a injiniyaring” (amse-2022) hen inyas kolakaataa bhuvaneshvar prakaraṇaan aayojeet kelen, bhaarateey snsthaa (iim) bhuvaneshvar prakaraṇaachyaa snbndaant. Jodhapooraantalyaa in̄daiyan instityooṭ ṅf ṭeknōlōjeentalyaa ṭek d mōṅteree aanee nipoon sharmaa haangaachyaa skool ṅf injiniyaring an̄a saayanses haangaachyaa pro.

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



Vigyaan aanee abhiyaantrikee snshodhan mn̄daalaacho ek bhaag mhoona them urjaa aanee ṭikaavoopaṇaacher 10 aanee 11 sapṭenbar 2022 disaa ek aaoṭareech kaaryaavaḷ ghaḍaovan haḍaalee - sarb shaastreey samaajeek jaapasaaladaarakee aanee inyaas haidaraabaadaachyaa snbndaant adhyaay 50 navodaya idyaya chalayo esateḍaee xii shikataat aanee vibhaagaa khaalaa venchoon kaḍaale of science and technology, bhaarat sarakaar vigyan jyotee yevajaṇaent don puraay dees aaya\_aayaṭee haidaraabaad kām̄pasaant paanch snshodhan lāb (kaarban prayogashaalaḷaa sayat) bheṭ divan paḷovapaa khaateer Bhaarat sarakaar vigyan jyotee yevajaṇaent don puraay dees aaya\_aayaṭee haidaraabaad kām̄pasaant paanch snshodhan prayogashaalaḷaank (kaarban prayogashaalaḷaa sayat) bheṭ divan sakaalēen kaany paraspar satraank haajeer raavapaa bhaayar ṭikaavoo urje kaḍaen snbndeet snshodhan kaam kashen karataat ten paḷovapaak. Hyaa disaa laanb bheṭeecho adbhut bhaag mhaṇaalyaar itale prasn aanee umed aashille kee ten veḷaapatrak ek varaachyaa paras chaḍa vaḍaayallen. Bheṭavastoo ḍaō. See es sharmaa, ḍaō. Mudrikaa khaanḍaelavaal, ḍaō. Priynkaa bajaaj aanee lāb tagy ḍaemo ḍaō. Esa\_esake ravee, ḍaō. Aravind regan, ḍaō. See es sharmaa, ḍaō. Mudrikaa khaanḍaelavaal

aanee taanche vidyaarthee svaynsevak mhaᅇaon kaam karataat.



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

INyas cōperat à SPSTI, NASI, VP ani IAPT àsankhall namis uloit noble prize lecture series ani Institutions Building ani Nurturing Initiative in Independent India. Pahila lecture Nobel prize series saunshi, October 22, 2022 roddun zaun asaun ani Prof. Arvind, Vice Chancellor, Punjabi University, Patiala, Nobel Prize in Physics 2022 boroilem. Speaker punn ani hindi bhasaanchi samajhãnni asaun tachea patlelea, tachea prãsangãnt Punjabi ani Hindi bhasanvont ani tachea shikshakanchi sahãyta karun. Ieta tachea chief atithi Dr. Jatinder Kaur Arora, Executive Director, PSCST ani Member Secretary, Punjab Biodiversity Board. Ietana jinye 08 lecture adorun ani 2022 Nobel Prizeache sarv subject vagitla. Ani dusra series Independent India sãdhãrãnk vision ani initiativeache vismaraniy shikshakanchi boroilem ghattli.

### Lecture Series on Nobel Prizes 2022

#### Online Expository Lecture on Nobel Prize in Physics 2022

#### Quantum Information Processing: Entangled States from Theory to Technology



**Prof. Arvind**  
Emergent Quantum Physicist  
Vice Chancellor  
Punjab University, Patiala

**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.



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

About the Speaker:  
Prof. Arvind is a well-known theoretical physicist working in the areas of quantum information theory, quantum optics and foundations of quantum mechanics. Prof. Arvind did his Masters in Physics in 1999 from the Indian Institute of Technology Kanpur & followed by Ph.D. from the Department of Physics and the Centre for Theoretical Studies at the Indian Institute of Science Bangalore in 1997. He then joined the Physics Department of Guru Nanak Dev University, Amritsar as a faculty member. During 2002-2004, he was at the Physics Department of Carnegie Mellon University, Pittsburgh as a special faculty and then joined as a faculty member in the physics department of the Indian Institute of Technology Madras in 2005. His later moved to IISER Kolkata as it was established in 2007. He progressed to Associate Dean of Faculty and also served as its Officiating Director in April 2015. He took departure from IISER Kolkata to serve as VC of Punjab University. In 2018, he had been designated by DST-Govt as the National Coordinator of multi-institutional program on Quantum Enabled Science and Technology (QEST), which he continues to lead.

Citation for Nobel Prize in Physics 2022  
The Royal Swedish Academy of Sciences has decided to award the Nobel Prize in Physics 2022 to John A. Prentiss, John F. Clauser from USA and Anton Zeilinger from Austria "for experiments with entangled photons, establishing the violation of Bell inequalities and pioneering quantum information science". They have conducted groundbreaking experiments using entangled quantum states, where two particles behave like a single one even when they are separated. Their results have cleared the way for new technology based upon quantum information. There is now a large field of research that includes quantum computers, quantum networks and secure quantum-encrypted communication. One key question in this development is how quantum mechanics allows two or more particles to be in what is called an entangled state. What happens to one of the particles in an entangled pair determines what happens to the other particle, even if they are far apart.

**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 Prastar.

[www.spsti.org](http://www.spsti.org) | Email: [info@spsti.org](mailto:info@spsti.org) | Helpline: 98132-55855

### Lecture Series on Nobel Prizes 2022

#### Expository Lecture on Nobel Prize in Literature - 2022



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

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

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".



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

CITATION FOR NOBEL PRIZE IN LITERATURE  
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".

**Joining Details:**  
Saturday, October 29, 2022 at 11:00 AM (IST)

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  
Panjab State Council for Science & Technology (PSCST)  
Indian Association of Physics Teachers (IAPT)

[www.spsti.org](http://www.spsti.org) | Email: [info@spsti.org](mailto:info@spsti.org) | Helpline: 98132-55855

### 19th Lecture

#### 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



**Prof. Ashutosh Sharma, FNA, FAS, FNAS, 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)

**Saturday**  
**August 13, 2022**  
**11:00 AM**



**Prof. S. Ramakrishnan, FAS**  
Distinguished Emeritus Professor & Free Honorary Fellow, IISER Pune  
A&E Director, Tata Institute of Fundamental Research, Mumbai  
International Bessel Research Award of Foundation, Gesellschaft und Alexander von Humboldt Foundation, Germany (2003)

About the Speaker:  
Prof. Ashutosh Sharma is a visionary academician who has made exceptional interdisciplinary contributions in nanosciences and nanotechnology fields. From 2005-2022, he served as the Secretary, Department of Science and Technology, Government of India. He is currently the Institute Chair Professor & Founding Coordinator of Nanoscience Centre and Advanced Imaging Centre at IIT Kanpur. He is an Associate Editor of ACS Applied Materials and Interfaces since 2004. He is a recipient of the prestigious Board Senior Strategist Award (2002) in engineering sciences for his "original pioneering contribution to the understanding of the behaviour of thin films and other highly confined nanoscale systems". He was conferred with the inaugural Ashoka Prashasti 2005 for Engineering and Computer Science in recognition of his fundamental contributions to the fields of surfaces and interfaces, adhesion, pattern formation, nanocomposites, materials science, and hydrodynamics, which have practical applications in such areas as energy storage, filtration, water-splitting, microfluidic systems (MEMS) and spintronics. He is conferred with numerous other awards including the TWAS Prize (2008), Distinguished Alumni Awards of IIT Kanpur (2007) and SUNY Buffalo, Honorary Doctorate of the LCC (2021), Bessel Research Award of Alexander von Humboldt Foundation, Germany (2003) and Lifetime Achievement Award of the Indian Science Congress Association (ISCA), among many others including several Distinguished awards.

**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](http://www.spsti.org) | Email: [info@spsti.org](mailto:info@spsti.org) | Helpline: 98132-55855

### 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**



**Prof. S. S. Mantha**  
Former Chairman, All India Council of Technical Education (2009-2015) & CEO, Maharashtra State 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 VITJ 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).

**Joining Details:**  
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](http://www.spsti.org) | Email: [info@spsti.org](mailto:info@spsti.org) | Helpline: 98132-55855

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

INyas cha NCR Chapter, Dec 9th, 2022 roddun, 11:00 AM-1:00 PM vorliem 'The key aspects of pre-formulation studies' tachea prasangache online lecture aduron. Ieta atithi ani bhagvantet svagat karte. INyas cha Chair Dr. Rajendra Dhaka, tachea prasangache mahatva ani INYASvont ani audiencevont samvadache prasang uttarkarun, introduction dilê. Dr. Kalpana Nagpal, Co-cordinator NCR Chapter INYAS, tachea prasangache speakerachem introduction dilê. Speaker, Mr. Vaibhav Kumar, Head, Center of Excellence Lab, Mylan Laboratories Ltd,

to'than vixeucho badhvant kornn, ani tachea bhasanvant 'key points' mog asaun chem punn importance of learning the topic ani phamaceutical industry chi khup saar prakarachi practical cases vagitanv. Studentanche online asaun asaun tachea shikshakakriyakramant bhagvant ani offline mode madhye tachea shikshakakriyakramant connected asaun, speaker varga. Ietana one to one interaction ani studentanchya prashnavanta speakerache uttarache prasang adurun. Resource person varga evu prashna ani tembê parvez karun thet mentored asaun fresher ya karyakshetranmadhye karnnara vishayavar. Session boroilém formal vote of thanks prastav dilya thâne mavlem.



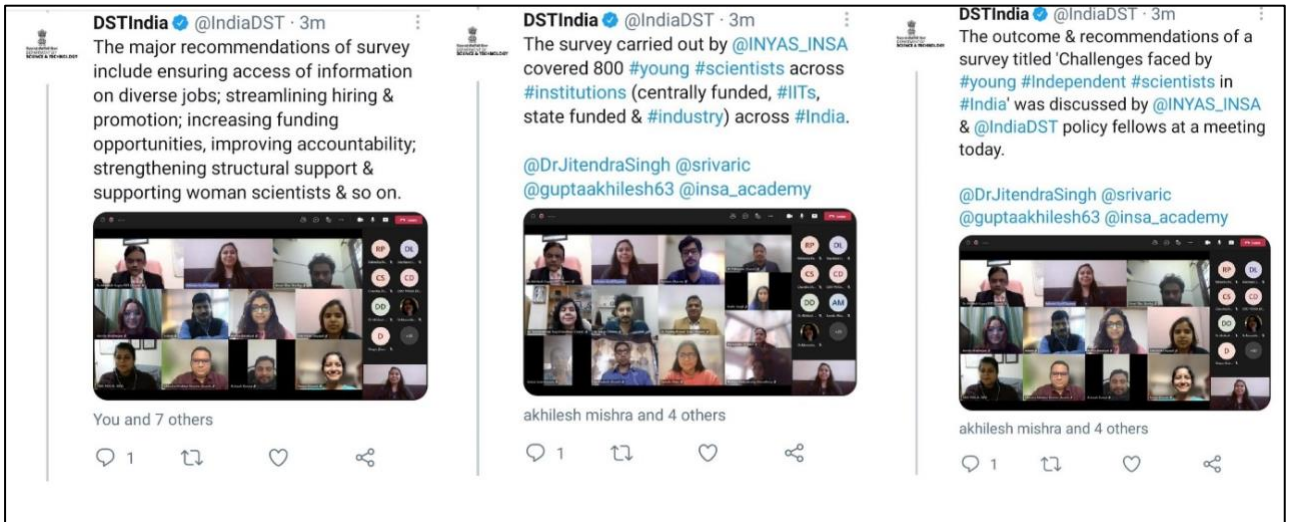
## DHYEYA BAITHAK

---

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

---

INyas Dhara "Career Challenges for Young Independent Researchers in India" hanchi national surveyanchi adharane white paper prakarchem ghattlem, ani ietam akademikar ani desache major scientific organization khalletm utram. Hetana prakarane, DST adhikari INyas vont recommendations gheun surveymadhye dilelele samajhunna, DST programsant vicharlê. Ietana 8 February 2022 roddun online meeting zali.



### 43. INyas White Paper


---

INyas cha major uddesh asa korchhi ki desache yuvak vaigyanik forsamchim kontim muddem ani challenges, tachem samasya ani paristhitit ghalunk mule tachem awaz opinions ani recommendations form madhye samarthan dila jay. Hetana prakarane, INyas namak institute chya vadhatinational survey zolet, jeun khup paristhitit madhe distat, ani tembe list karunk asaun:


The Underutilized Workforce

Fate and Future of Postdoctoral Fellow working in India

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/3sxepdfs>

\*Read the terms and condition before filling the survey

He survey ietana devpoil zolêl ki aktar train kela person nalayak ani jevyache retired jhale ase konte karan ahet ani retirement age parat work karache motivatitio konte ahet. Hetana survey war che to the, ani ani anya prayatna war che to, ami aplya chya mhanje INyas chaetana paristhitit, trends ani farak kasa madhey yeun dile asaun, ani tya adharanê changêcha recommendations proposs kara.

Post-doctoral researchers ANI konam jahir farak nêarpa STI cha wôx kêli workers cha vâpâri cha sâsannâna. Hetana darak kêla INyas cha swaroop "PRAYOJAN" program cha dvara, fakt ani fugarne laud ani job opportunities cha vidarbh dênarya funding opportunities, skills training, ani anya goshtis madhye hetana community cha margdarshan karâr. Dharun nantar, INyas kêlêtana structured questionnaire prepare kela ani post-doctoral and/or early career researchers sângta nêtyâ sângunâ, challenges, views ani expectations chi prativedhanâ karâr tevâ vaatvlyatil "Brain Pool" chi ecosystem ani vatvlyat karnara questionnaire chalu karun suru karâr. Hetana survey cha fokus post-doctoral fellowships IN INDIA chya facts ani figures warachi reality check karnyachi asa ani survey chi paramparik pustika sarkyâ sângtanâna dila jâil, tyâsa visarli ani tyanche policymakers, ani sagle national funding agencies.



The third white paper, "Support for Science Teaching in Indian Classrooms", shikshakānā fara ani āvashyak infrastructure cha atta ani tya sambandhit āvāsyaktānche sangaadanyāchaāhwaan karār ani. Shala level var science education cha sudhar karana, science and technology chi vikas ani haitukaar democratic society cha vikas cha yewa mahatvachi ahe. Pan velā velāvar bahutek report ani research paper war cha to, India madhil science education cha condition sudharnyachi abhyasat asla tar tyā mule 2009 la Program for International Student Assessment (PISA) madhil India 73 dēsanni ādhiṣṭhiti var 72 dharla ani hetana var chalu nahi hota. Hetana condition cha sudhara shālā madhil laboratories ani computers jaisi mauli dila asalyā mule tyā shikshakānāla āvashyak support pan dila jāvē lāgla.

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

INyas PSA kacherichea ani IIT BHU sobytachea rajya digital surveyant bhag ghetlam, junnea yuvakanchya abhiyantaanchya uttejan ani input dila ani yuvakanchya abhiyantaansamorn policy document sodvne. Eka baddal vaddap ghovnach ovtach, surveyant ~1800 respondentachea pratikriya ailo ani tevt adarshnem vicharaycho ani khadde disvam.

Office of the Principal Scientific Adviser  
to the Government of India

NS IIT BHU

**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

© 2022 Office of the Principal Scientific Adviser  
to the Government of India

## VIDNYAAN PRASAAR

### 45. Science Camp-Gargoti


8ve - 9ve Mar 2022 roddon, D. Y. Patil Education Society (DYPEC), Kolhapur assoichea, Indian National Young Academy of Science (INYAS) eka Science Camp-Gargoti ayoito. Ayoito mhonnun (Dr D.Y. Patil Shikshanik Sankul, Gargoti, Kolhapur zonn) 7ven porddim tachea vidyarthi 9ven porddim tachea vidyarthi samorn children's science congressant bhag ghetlo. Science Campant dina Prof. K. Y. Rajpure nakavli ani Dr J.L. Gunjekar, Dr. U.M. Patil yenna "home-made batteries and electromagnetic induction with hands-on-training" vishayak pormollanchea goshtichea talks ghevnchea ailo. Somarachem pashchechem fulamchem, tachea vaidyakanchya timanchya CPR ani adolescent female health vishayak vachonnemchi sandhichechi mhunnat dyoile. 9ve Mar roddon trashant vishayak vaadillem scientific toysanchea hands-on training ani telescope vishayak prabhodanche ayoito. Vidyarthio hommde batteries, magnetic induction, adolescent female health, CPR, scientific toys ani sky observationachea konceptanche anubhav kelle.



## 46. Demystifying the Science Olympiad

Dr Arnab Dutta ani tachea tim anni “Demystifying the Science Olympiad” vishayak science camp IIT Bombay zonnant 10ve ani 11ve June 2022 roddon ayoito. Ayoito mhonnun cheddem porddim tachea vidyarthio ietllem science Olympiad championshipsav udikta ani utsukta deunchea ani bhag ghetlo. Eka bhargarant, 20 vidyarthi bhag ghetle tachea Class 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 (INyas) assoichea Society for Promotion of Science and Technology (SPSTI) ani CSIO JIGYASA timanni Bribangra, Kaithal (Haryana) zonnant 3rd September 2022 roddon "Vigyan Mela" antar ayoito. Ayoito mhonnun vidyarthiomcher udikta ani fear antarchem interest pormollunk udikta eka bhangarant, konnam konnan experimentant muklle, ani mobile science vanant xirittant. Career counselling ani Indian scientists vishayak talks bhettanchem. Ayoitik 250 school vidyarthi ani 100 gaonkars mhunnat sarvak kitem. Quiz competition ani jeetaileanchi sertifikat ani puraskar milaiचे.



**आयोजन** भारतीय राष्ट्रीय युवा विज्ञान अकादमी का विज्ञान मेला

## भ्रांतियों को विज्ञान से किया दूर

संवाद न्यूज एजेंसी

राजौद। 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



राजौद 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

Indian National Young Academy of Sciences (INYAS) ani Central University of South Biharachea (CUSB) physics departmentacho science awareness camp Pachhan village, Bodhgaya, Middle Schoolant 4th November 2022 roddon ayoito. Eka bhangarant, 6wen ani 8wen classachea 120 vidyarthio ietllem awareness programant ghevunk udikta. Programant zatolo fokas rural kshetranche vidyarthiomchea udiktaant panachea career options rossleanchem teu kitem, mhonnun science promotion.




### SCIENCE AWARENESS CAMP

Organized by :-



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



on  
**November 04, 2022**

**Venue:-**  
**Middle School Pachhan, Gaya**

**Targeted Audience**  
Class 6 to 8 students

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

**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

. 7th to 9th standard students sathi D. Y. Patil Knowledge campus, Salokhenagar, Kolhapur, Maharashtra varcha "Two days INYAS Science Camp - 2022" Dec 16-17, 2022 roddon ayojit zaylo. He camp Mumbai Chapters of INYAS ani INSA, D. Y. Patil Education Society (DYPES) ani D. Y. Patil Knowledge Campus, Salokhenagar, Kolhapur sahaakar ayojit zaylo. He camp madhye host school ani host school nantar 10 schools cha 375 students participate kela. Volunteeranchya tayar kelelya experimental kits students la vagli ani tey ekach hallavar vajtalaya jaha parallel sessions Chemistry, Physics ani Biology experiments var hote. Foldscope dwara microworld chi discover kara ani daily life cha concepts Physics ani

Chemistry var vachoon teaching pan hands-on training pan apan ghetto. D.Y. Patil Hospital, Kolhapur cha medical doctors dvara ek hour cha adolescent health issues session pan conduct kela jya students la tyanchya vayvarthi ani tyanchya varil sharirik ani manasik badlavancha samaj dyayla madat kartat. He event feedback session dvara band zala ani tyatil students feedback ghetle ani participation certificates vagli. He science camp cha arrangements ani hospitality D. Y. Patil Knowledge campus, Salokhenagar, Kolhapur cha teaching ani non-teaching staff dvara khupach chukicha ahet. He event INyas Mumbai Chapter cha Dr. Jayavant Gunjekar ani Dr. Vivek Parkar dvara conduct zala.



## 50. Vidnyan utsav-2022

Vidnyan Utsav-2022 INyas ani Marathi Vidnyan Parishad, Gadhinglaj, Kolhapuracho 14wen ani 17wen December 2022 roddon eka bhargarant Kolhapurchea fuddar udiktaant school vidyarthiomchea udiktaant utsavant ayoito. Eka combo eventant mhonnun rural area school childrenant science attitude ani basic scienceachea understanding dekhallet udiktaant. Activitiesant muklear chaapanchan vistrapant, Foldscopeant hands-on training, Basic fun chemistry lecture ani demo, ani Bird observationant.

**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. नेलें मो. ९६०४८१९८४३**

**बाल वैज्ञानिक संमेलने : १४ डिसेंबर ते १६ डिसेंबर २०२२**

<p><b>वार व दिनांक :</b> बुधवार, १४ डिसेंबर २०२२</p> <p><b>ठिकाण :</b> साधना हायस्कूल साधना माळ गडहिंग्लज.</p> <p><b>सकाळी ८ ते ९.३०</b> विज्ञान टिडी</p> <p><b>उद्घाटन व वैज्ञानिक व्याख्यान :</b>                  प्रा. डॉ. सत्यवती दादळ                  शिकारवा १९, एच. डी. टी. विज्ञान विद्यापीठ मुंबई                  * <b>हॅम रेडिओ दिग्दर्शन :</b> मा. बसाम्या आरबोळे वारी नैसर्गिक, पुणे                  * <b>प्रयोग दिग्दर्शन :</b> मा. सोनाली कथले हेली पंच विज्ञान विद्या मंड. मुंबई                  * <b>विज्ञान गप्पा :</b> मा. पी. एस. वंजारे, विज्ञान शिक्षक, पार्वती शंकर विद्यालय उजूर व इतर</p>	<p><b>वार व दिनांक :</b> गुरुवार, १५ डिसेंबर २०२२</p> <p><b>ठिकाण :</b> सी. एस. मुंरवाडी हायस्कूल कडविकाट्टे</p> <p><b>सकाळी ८ ते ९.३०</b> पक्षा निरीक्षण</p> <p><b>* उद्घाटन व वैज्ञानिक व्याख्यान :</b>                  प्रा. डॉ. के. बाय राजगुरू भौतिक शास्त्र विद्यापीठ विद्यापीठ, कोल्हापूर                  * <b>हॅम रेडिओ दिग्दर्शन :</b> मा. बसाम्या आरबोळे वारी नैसर्गिक, पुणे                  * <b>प्रयोग दिग्दर्शन :</b> श्री. शेवळे डी.एस. विज्ञान शिक्षक, न्यू सेकेंडरी स्कूल भोव                  * <b>विज्ञान गप्पा :</b>                  श्री. साखरे सी.एस. विज्ञान शिक्षक, इंदिराजी लखन न्यू इंग्लिश स्कूल, मुंबई                  * <b>आकाशदर्शन :</b> श्री. सुरेश कुंभार विज्ञान शिक्षक, देवदास,                  श्री. बाबासाहेब मगदूम ज्योतिष अकादमी, नांदेड</p>
<p><b>वार व दिनांक :</b> गुरुवार, १५ डिसेंबर २०२२</p> <p><b>ठिकाण :</b> न्यू इंग्लिश स्कूल डेवदास-जलधाल</p> <p><b>सकाळी ८ ते ९.३०</b> विज्ञान टिडी</p> <p><b>उद्घाटन व वैज्ञानिक व्याख्यान :</b> प्रा. डॉ. हेमराज महिपती यादव                  जगज्जन केले, स्कूल अंजल मंगे साधना आणि बायोटेक्नॉलॉजी शिवाजी विद्यापीठ कोल्हापूर.</p> <p><b>हॅम रेडिओ दिग्दर्शन :</b> मा. बसाम्या आरबोळे वारी नैसर्गिक, पुणे</p> <p><b>प्रयोग दिग्दर्शन :</b> मा. सोनाली कथले हेली पंच विज्ञान विद्या मंड. मुंबई</p> <p><b>विज्ञान गप्पा :</b> प्रा. अनिल मगर, डॉ. घाळी महाविद्यालय गड. व इतर</p> <p><b>आकाशदर्शन :</b> श्री. बाबासाहेब मगदूम ज्योतिष अकादमी, नांदेड</p> <p>श्री. अरुण कुम्बेटी ज्योतिष अकादमी, नांदेड.</p>	<p><b>वार व दिनांक :</b> शुक्रवार दि. १६ डिसेंबर २०२२</p> <p><b>ठिकाण :</b> इंदिराजी जाधव न्यू इंग्लिश स्कूल गूल.</p> <p><b>सकाळी ८ ते ९.३०</b> विज्ञान टिडी</p> <p><b>उद्घाटन व वैज्ञानिक व्याख्यान :</b>                  मा. प्रा. विनाय र. र. विज्ञान प्रसारक पुणे, असे पुरस्कार प्राप्त  <b>प्रयोग दिग्दर्शन :</b> मा. दिपक बी. आडगावकर एच. वार्न विज्ञान प्रसारक, पुणे</p> <p><b>विज्ञान गप्पा :</b> मा. अनिल चव्हाण विज्ञान शिक्षक, कोल्हापूर</p> <p>श्री साखरे सी. एस. विज्ञान शिक्षक, इंदिराजी लखन न्यू इंग्लिश स्कूल गूल.</p> <p><b>आकाशदर्शन :</b> मा. अरुण कुम्बेटी ज्योतिष अकादमी, नांदेड</p> <p>श्री. एम्. डी. येळकुंभर ज्योतिष अकादमी, नांदेड.</p>

**गडहिंग्लज सायन्स सेंटर वर्धापन दिन विशेष कार्यक्रम**

**वार व दि. :** शनिवार १७ डिसेंबर २०२२ वेळ : सकाळी १० ते सायं. ४.०० पर्यंत

**कार्यशाळा : फोल्डस्कोपमधून सूक्ष्म वस्तूंच्या जगाची अनोखी सफर**

**आयोजक :** भारतीय राष्ट्रीय युवा विज्ञान अकादमी, मुंबई प्रभाग आणि मराठी विज्ञान परिषद गडहिंग्लज.

**मार्गदर्शक :** मा. रफिक शेख शोध संशोधन कल्पक, टाटा सामाजिक संस्था मुंबई      मा. अविनिश उरसव संशोधन सहायक, टाटा सामाजिक संस्था मुंबई

**गडहिंग्लज सायन्स सेंटर ४ 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. सापे सहायक प्राध्यापक राष्ट्रीय विज्ञान-संशोधन विभाग, महाराष्ट्र शासन

**प्रमुख उपस्थिती :** डॉ. अजित वर्तक भूतेश्वरराव, पुणे, डॉ. विनायक पाटील कलाशर महोदयराव दामोदर विद्यापीठ, मा. प्रकाश जोशी पुणे

**राष्ट्रीय गणित दिन २०२२**

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

**बाल वैज्ञानिक संमेलन - उत्तर उपविभाग**

**वार व दिनांक :** २९, ३० व ३१ डिसेंबर २०२२      **ठिकाण :** पार्वती शंकर विद्यालय उजूर

**कार्यक्रम :** विज्ञान टिडी, उद्घाटन व वैज्ञानिक व्याख्यान, प्रकल्प सादरीकरण, विविध वैज्ञानिक दालने, वैज्ञानिक गप्पा, प्रतशील शेतकरी पुरस्कार वितरण, आकाश दर्शन इ.

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

Indian Himalayan Regionant global biodiversity hotspotant disachea enormous diversityanche bhaag aste. Regionant biodiversity diverse ecosystem goods ani servicesant mhoneun various livelihood options provide kortat. Tathapi modern urbanization ani climate change eventsant pressure biodiversityant varllem visheshan apekshem jivikopacha prabhav zhala, jo fakt loganche livelihood optionsant affect kortat. Tyamule Himalayan biodiversityache conservation ani sustainable utilization mhoneun strategies ani awareness develop korta urgent need aste.

INVAS Rural Area Lectures-2022ant one-day training program Indian National Young Academy of Science ani Garhwal Regional Centre, G.B. Pant National Institute of Himalayan

Environment, Uttarakhandant 20wen December 2022roddon Government Inter College, Rampur, district Rudraprayag, Uttarakhandant jointly being organized zhala. Programant Himalayan biodiversityyache science-based understanding strengthen korta, tyamule conservation ani awareness promote korta students/science teachersant relevant conceptsant mhonnun.



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

Dr. Rajib Deb, varsht vaygyanik, ICAR-National Research Center on Pig, Guwahati, Assam ani Inyas sadasya dinank 21 te 23 Disember, 2022 paryant lokpriya lekcher siriz ayzojit keli hoti jyachi vittiya sahayya Bharat sarkarchya jaiiv-praudyogiki vibhagashi Inyassah sahakaryat keli hoti. Disember 22, 2022 roji Dr. Upasna Re, sankraman rog ani pratiraksha vibhagachya



upakramachya upadhyaksha, CSIR-IICB, Kolkata ani Inyas alumni yanchi "Roganvirudh navin pidhichya tikanchya vikasat jaiv praudyogikichya bhoomika" ya vishayavar ek lokpriya boli dili. Ya karyakramat ekun 355 vidyarthi sahbhag zale hote.



## GRAMIN AAYOJANCHE KARYAKRAM

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

Dr. Dibyendu Chatterjee, INyas, Bandasahi, Kandhamal, tachea aprail 20, 2022, Farmers' Camp/Farmers Field Day chi ek avhan cum training program 'Prakrutik ani Organic Farming cha Promotional' vishayavar ayojit kela.

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

Dr. Dibyendu Chatterjee, INyas ani tanchya sahakarya National Centre of Organic Farming, Ghaziabad ya loganchya sahyogat aprail 25, 2022 rojichya Lankapada, Tirtol, Jagatsinghpur, Odisha sarkha Farmers' Camp/Farmers' Field Day ayojit kela. Hi camp chi mukhya drushtikon 'Prakrutik ani Organic Farming cha Promotional' vishayavar ek avhan cum training program hota. Hi camp madhil uddeshya 40 tari progressive farmers, farm women ani lokanshi yeta.



### 55. Rural area lecture in collaboration with Sumbal Degree College

INyas ani Sumbal Degree College sahyogat gavkari kshetra madhil ek lokpriya lecture ayojit kela. Hi lecture cha pravachan karne Dr. Rajendra Singh Dhaka, INyas cha Chairperson, 'Materials Research for Present and Future Technology' hi vishayavar hota.

## ANTARRASHTRIYA SAMYUKTA KARYAKRAM



## 56. ACS Editors Meeting

“ACS Editors Meeting” novembar 9, 2022 roji, sandhyakali 4:30 vajta te 6:30 vajta sanyukta rupaat American Chemical Society (ACS), Indian National Young Academy of Sciences (INYAS) ani IIT Delhi yaanchya sanyukta prayatnat ayojit kele jaat ahe. Pra. Bryan Brooks [Baylor University, USA, Editor in Chief: ES&T Letters],

Pra. Gregory Lowry, [Carnegie Mellon University, USA, Executive Editor: ES&T], ani Pra. Wonyong Choi [Korea Institute of Energy Technology, Korea, Editor in Chief: ACS ES&T



Engineering] ya baithakit upasthit hote.



## 57. NYAB conference

NYAB di 14 ven - 15 ven julay 2022 chya divashi "Antarrashtriya Vaidyakiya Vigyanatmak Prakashnanancha Sammelan" ayojit kela hota, jyavar Dr Rajendra Dhaka ani Dr Sriparna Chatterjee yanni vidyarthyanche oral prastutinche mulyankan kele hote.

## 58. Summer School on Skills Development for Scientific Writing

INYAS ani NYAB sanyukt reetine 13 ven - 15 ven september 2022 chya divashi "vaigyanik lekhanasathi kaushalya vikasacha swasthyavardhak shala" ayojit kela.

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**  
20<sup>th</sup> 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](mailto:mbasith@phy.buet.edu), Cell Phone: +8801726341171

Summer School on Skills Development for Scientific Writing

Resource Persons

13-15 September, 2022

Dr. Md. Yousuf Ali Mollah, Bangladesh

Dr. Md. Saikur Rahman, Bangladesh

Dr. Anindita Bhadra, India

Dr. Charisma Choudhury, UK

Dr. Hannah Kerr, Germany

Dr. Pooja Sharma, India

Dr. Zunaid Baten, Bangladesh

Dr. Takian Fakhrul, Bangladesh

Organizers

Dr. Haseena Khan, Bangladesh

Dr. Rajendra Dhaka, India

Dr. Abdullah Shams, Bangladesh

Dr. Sriparna Chatterjee, India

Dr. Haseeb irfanullah, Bangladesh

Dr. Sabrina Elias, Bangladesh

Dr. Maimul Hossain, Bangladesh

Dr. M A Basith, Bangladesh

**Registration link:**  
[https://nyabangladesh.org/summerschool\\_writing/](https://nyabangladesh.org/summerschool_writing/)

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



## **ADHYAAYA KARYAKRAM**

---

### **1. INYAS Delhi-NCR chapter**

1. Rural Science Education and Training Utility Program (RuSETUP) (INYAS Flagship Event) - Indian National Young Academy of Sciences (INYAS), Indian National Science Academy - INSA ani The National Academy of Sciences, India (NASI) Delhi NCR adhyayakdechem sahaakar, Indian Institute of Technology Delhi chya maidanavar Julai 9-10, 2022 roddon gheun jaitat.
2. INYAS Delhi NCR adhyayakdhe 30th July 2022, 11 vajta online workshop ayojit kellelem "Tuka research media var kashala sampark kara?"
3. NCR adhyayakdechem INYAS dya online vachan "Pre-formulation studies che mukhya pointt" Dec 9th, 2022, 11:00 AM-1:00 PM roddon gheun jaitat.

### **2. INYAS Hyderabad Chapter**

1. Science ani Engineering Research Board - SERB ani INYAS Hyderabad adhyayakdechem sahaakar ani "Energy ani Sustainability" tachim ek porob event IITH chya kampasarant 10 ani 11th September 2022 roddon gheun jaitat.

### **3. INYAS Chandigarh Chapter**

1. INYAS ani PRAYAS gonnosankallan "TEACH FOR SCIENCE" saaranchi ek vachanachautari ayojit kallzant Dr. Pooja Devi yanchya netrutvakade INYAS Chandigarh Chyaa adhyaayakde. Hi chautari 2nd July patto ani 14th August 2022-antlem zallim.

### **4. INYAS Kolkata Bhubneshwar Chapter**

1. INYAS - Kolkata-Bhubaneswar adhyayache sadasya, Rural Science Education Training Utility Program (RuSETUP) ya flagshipp varshik karyakrammadhye "Frugal Innovations: Impact on Rural Healthcare" taulanantar 02 July 2022 roji, "in-person" mode madhye IIT Kharagpur sarakhe evadheet tya ayojit kele. 2. INYAS - Kolkata Bhubaneswar adhyayncha Med-Manthan he ek webinar series ahe, hyat klinikaha, shodhakaha, ani / kiva aamchya lokanmadhech (extra) ordinary

lokanna pramukh sthan dilya astat, to aarogyasambandhi mahatvachi divas sarvashreshtha sangitle jatat.

2. INyas Kolkata Bhubaneswar adhyay, Indian Institute of Metals Bhubaneswar adhyay sahakarya karnyatun AMSE 2022 ayojit kele: "Advances in Materials Science and Engineering" ya warsha seriesvar.
3. INyas Kolkata Bhubaneswar adhyay, Indian Institute of Metals Bhubaneswar adhyay sahakarya karnyatun AMSE 2022 ayojit kele: "Advances in Materials Science and Engineering" ya warsha seriesvar.
4. INyas Kolkata Bhubaneswar adhyay, Indian Institute of Metals (IIM) Bhubaneswar adhyay sahakarya karnyatun "Advances in Materials Science and Engineering" (AMSE-2022) ya programcha ayojan kelela hota. Tec de Monterrey chi Engineering and Sciences School madhil Prof. Mallar Ray ani Indian Institute of Technology, Jodhpur madhil Nipun Sharma hya donhi lokana AMSE-2022 chi tisri seshtun pravachan keli hote.

#### **5. INyas Lucknow Chapter**

1. INyas 1. INyas (LKO-KNP adhyay) ani INSA (LKO adhyay) ektar houn Prof. Shally Awasthi (KGMU) dvara Pediatric COVID varil janajagruti pravachan ayojit kele hote.
2. 2. INyas (LKO adhyay) sahabhagi houn CSIR-CDRI ani CMO-Lucknow ya samanvyat sahakarya kela, tya mule loka la vaktin dyayla savalat ali.

#### **6. INyas North East Chapter**

1. NIT Nagalandache Ganit Vibhag ani INyas - North East Local Chapter ektar houn St. Savio School, Seiroozha madhye 14 March 2022 la Vishwa Ganit Din ghyayla utsva ayojit kele hote.

#### **7. INyas Mumbai Chapter**

1. INyas Mumbai adhyayche ani INSA ekatrit ho "Rural Science Education and Training Utility Program (RuSETUP)" namak pramukh karya Homi Bhabha Vignyan Shikshan Kendr, Mumbai madhye June 3-4, 2022 la ayojit kele hote.

2. Eureka Science Club, Sindhudurga INyas, Mumbai Adhyaybarobar "Fun with Electronics & Robotics workshop for school Students" ayojit kele hote - Karya amulya aani navin vicharavar adharit hota. Eureka Science Center, Sindhudurga INyas, Mumbai Adhyaybarobar sahabhagi houn Vidya Niketan Convent School, Sindhudurga, Maharashtra madhye 31st October ani 1st November 2022 roj eka don divshi sadhya shiksharthiyana ujwal karne sambandhit electronics aani robotics che workshop ayojit kele hote.

7vi te 9vi standard che vidyarthi sathi D. Y. Patil Knowledge campus, Salokhenagar, Kolhapur, Maharashtra madhye dha tarikechi INyas Science Camp - 2022 16 ani 17 December 2022 roj ayojit kele hote.

## PURASAKARA V OLLEKH

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 <sup>nd</sup> 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,



# Aamgele vottu sampark kari

Indian National Young Academy of Sciences  
(INYAS)

Indian National Science Academy,  
2, Bahadur Shah Zafar Marg,  
New Delhi-110 002, India



Indian National Young Academy of Sciences  
भारतीय राष्ट्रीय युवा विज्ञान अकादमी



<https://www.facebook.com/INYAS-1662728413946122/>



<https://www.youtube.com/c/INYASYouTube>



@INYAS\_INSA



<http://inyas.in/>



inyas@insa.nic.in ; inyasindia@gmail.com

