

VIBES

NISER NEWSLETTER

JULY - DEC 2022
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Azadi Ka
Amrit Mahotsav



भारत 2023 INDIA

वसुधैव कुटुम्बकम्

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MESSAGE FROM THE DIRECTOR

I am pleased to announce the July-December 2022 issue of the Institute newsletter to our dear friends and well-wishers of NISER.

There are a number of accomplishments in academic and research fields, as well as new initiatives and services introduced. This issue will give you a glimpse of what is happening at NISER.

Warm regards,
Prof. Sudhakar Panda
 Director, NISER



CANCER HOSPITAL AND RESEARCH CENTRE IN NISER

The establishment of a cancer hospital and research centre through collaboration between the Department of Atomic Energy, Tata Memorial Centre, NISER, and Tata Trusts is a significant step towards improving cancer care and research in Odisha.

The cancer hospital and research centre can offer affordable as well as state-of-the-art treatment to the people of Odisha. This will not only improve access to quality cancer care but also contribute to the development of oncological education and paramedical courses in the region and future collaboration between TMC & NISER on conducting clinical and scientific research on cancer. This collaboration will strengthen treatment facilities, increase health professional competencies & initiate high-quality research to meet emerging requirements in the field of oncology.



NEW ACADEMIC PROGRAMS INTRODUCED

Integrated M.Sc.-Ph.D. Program

School of Biological Sciences, School of Chemical Sciences & School of Mathematical Sciences joined the School of Physical Sciences in offering Integrated M.Sc.-Ph.D Program at NISER. The School of Physical Sciences has been successfully running the program since 2016. A total of nine students in the Biological Sciences; ten in the Chemical Sciences, and seven in the Mathematical Sciences have been admitted in the academic year 2022-23.

Maiden Academic Session in Master Program's of CMRP

The academic session for the Master's Program in Medical and Radiological Physics started in the academic year 2022-23. Ten students, currently the total strength of the program of the Centre for Medical and Radiological Physics, got admitted in this session. The first lecture for this program was taken by Dr. Ajit Kumar Mohanty, Director of Bhabha Atomic Research Centre, Mumbai on August 8, 2022. The Master's program is not only the first of its kind in the State of Odisha, but also the first to be conducted by an institute of the Department of Atomic Energy, Govt. of India.

First Batch of CMRP



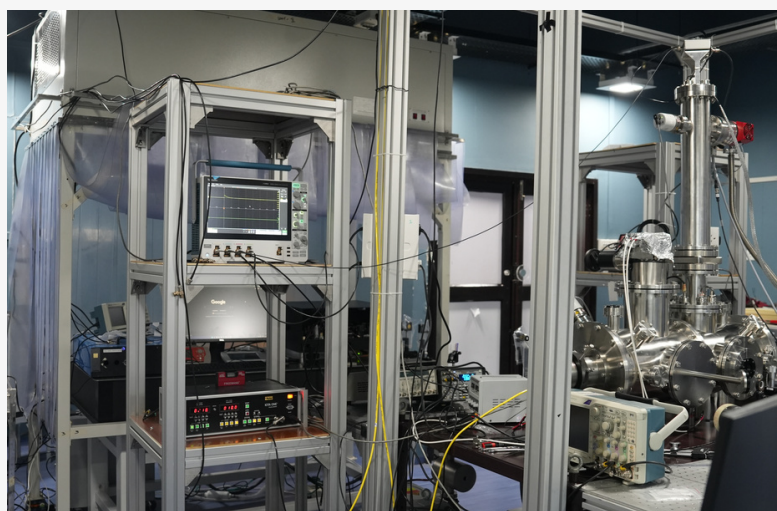
NEW FACILITIES, EQUIPMENTS & SERVICES

RESEARCH FACILITIES

Supersonic-Jet Spectroscopy Laboratory, School of Chemical Sciences

Supersonic-jet spectroscopy is used to study the structure and dynamics of molecules and molecular clusters that have been cooled to about 10-15 K (far below their boiling points) but have remained in the gaseous phase. The spectrometer, the primary instrument of the laboratory, has been designed and built by **Akshay K Sahu** and **Pcpn Hembram**, the students of NISER, under the supervision of **Dr. Himansu Sekhar Biswal**. One of the five experimental set-ups in India, the salient features of the laboratory are:

- Facility to cool down the molecules and molecular clusters to 10-15 K
- Provision to reduce spectral broadening and congestion
- Set-ups to get high-resolution spectra
- Facility to study weak molecular complexes which are not stable at room temperature
- Equipment to record mass-selected and conformation-specific UV AND IR spectra



Nanoelectronics & Device Physics Lab, School of Physical Sciences

The lab supports working at the frontiers of nanoelectronics and materials science to understand the charge transport of unconventional semiconductors. The understanding is then utilized to fabricate high-performance optoelectronic devices like flexible transistors, medical diagnostic tools, low-carbon footprint photovoltaics, and neuromorphic logic.



SUPPORTING FACILITIES

Children's Library

The Central Library has created a space where children can learn various aspects of science and arts and take some time off from digital gadgets. With books as a common meeting point, children can use this opportunity to interact with other children of similar interests. In doing so, the Central Library of NISER is trying to contribute to the societal cause of inculcating better thinking and reading habits amongst the young minds of the future.



Cricket Field

A place to be for all the cricket enthusiasts of the Institute, the ground is available for use by NISER faculty, staff, and students. Our Director inaugurated the facility on October 29, 2022, and it will be further developed in collaboration with Odisha Cricket Association.



ACADEMIC EVENTS ORGANIZED

- **Conference on ergodic theory and von Neumann algebra** was organized via online mode from August 4th to 6th. The conference aimed to bring together young experts and researchers working on ergodic theory and von Neumann algebra.
- The Central Library, NISER & Wiley jointly organized an **Author Workshop on "Winning the Game of Publishing"** on August 31, 2022. More than 300 participants joined this workshop, including Integrated M.Sc. 4th & 5th Year students, Ph.D. students, Scientific officers, and faculty members from all the schools. The workshop speaker was Mr. Yateendra Joshi, Academic Publication Trainer from Wiley publication.
- The Central Library organized a **Hindi Book Exhibition** on the eve of Hindi Pakhwada from September 14 to 29, 2022. The exhibition was held at the New Arrivals Display area of the Central Library.

- A six-day **Workshop on Setting up Cancer Registry** was organized from October 10th to 15th by the Tata Memorial Centre, State Government of Odisha, and NISER. This event laid the foundation for the first population-based cancer registry in Odisha. It also helped the participating young professionals to cultivate the skills of building an enthusiastic registry effectively. There was active participation from the Population-Based Cancer Registry (PBCR), Khordha, Odisha; Centre for Cancer Epidemiology (CCE), Mumbai; IARC Regional Hub for Cancer Registration, Mumbai; Homi Bhabha Cancer Hospital & Research Centre, Vizag; Tata Memorial Centre (TMC), Mumbai; Health & Family Welfare Department, Government of Odisha; Advanced Centre for Treatment, Research & Education in Cancer and NISER.



- The Central Library, NISER, organized a **Training session on SciFinder-n** for research scholars and faculty on October 12, 2022. The training speaker was Milind Wagh, Principal Account Manager Scientific Solutions from CAS- ACS.
- The School of Chemical Sciences conducted a departmental mini-symposium **AROMATTE 2022**, on October 15, 2022, to welcome the fresh batch of M.Sc. Batch '21, Int. PhD. '22 and PhD. '22.



- **Young Investigators Meet on Quantum Condensed Matter Theory** was hosted by NISER via the 'in-person' mode from October 29 to November 1, 2022.

- NISER hosted an **EMBO Workshop** from November 8-11, 2022, which focused on an integrated view of early land plant evolution that brought researchers from across the globe studying different aspects of land plant evolution using a wide range of model systems and approaches ranging from paleobotany to genomics.



- The Central Library, NISER, in collaboration with Bridge People Technology Solutions, jointly organized a **Webinar Session on Grammarly** on November 16, 2022. Research scholars & Int. M.Sc.-Ph.D. students of NISER attended the webinar session.
- **Webinar series on Spintronics (W2S)**, the longest-running webinar series in India in the field of nanomagnetism & spintronics, was led by Dr. Subhankar Bedanta. The 100th webinar was presented by Prof. Stuart S P Parkin, Director, Max Planck Institute of Microstructure Physics in Halle and Professor at the Institute of Physics of the Martin-Luther-University Halle-Wittenberg. In addition to that, eminent speakers from about twenty countries gave lectures and around 700 students had participated from all over the country.
- NISER hosted the fifth **Vigyan Pratibha Teacher's Training Workshop** from December 12th to 15th in collaboration with the Institute of Physics, Bhubaneswar, and Homi Bhabha Centre for Science Education, TIFR, Mumbai. Around 43 teachers, 14 from KVs in Odisha, 10 from JNVs in Odisha, 12 from KVs in Chhattisgarh, and 7 from JNVs in Chhattisgarh, were a part of this four-day workshop.



- A short course on **“Experimental Rock Deformation and Rheology of Earth Materials”** was organised on December 17th & 18th by SEPS. Prof. David Goldsby from the University of Pennsylvania, Prof. Santanu Mishra from IIT Kanpur, and numerous Masters and PhD students from various national institutes of India participated.



- Dr Banani Chakraborty, Department of Chemical Engineering, IISc Bangalore, delivered a talk on **“Functional DNA nanotechnology: origami, aptamers, and their applications”** on December 5, 2022, as part of a CIS Seminar.
- Dr. Murthy Gudipati from NASA Jet Propulsion Laboratory visited SEPS and presented a talk on **“Laboratory Simulations of Exoplanet Atmospheres”** on December 5, 2022.
- Smt. Namrata Chadha, former member State Commission for Women, delivered a talk on **“Creating awareness for Prevention, Prohibition and Redressal of Sexual Harassment of Women at Workplace”** on December 9, 2022, on the occasion of International Day for the Elimination of Violence against Women.
- Prof. David Goldsby, Department of Earth & Environmental Science, University of Pennsylvania presented a talk titled **“The Rheological Behavior of Ice: From Plasticity to Diffusion Creep”** on December 16, 2022.

TALKS & SPECIAL LECTURES

- Dr. Luciano Musa, CERN Experimental Physics Division, delivered a talk on **“Uncovering the quark-gluon plasma: scientific and technological challenges”** on October 21, 2022, as part of the NISER Colloquium.



- Shri Sumant Kumar Samantaray, Commercial Tax and GST Officer, Enforcement Unit, Rourkela, delivered a talk on **“Input Tax Credit and Evasion Control Mechanism in GST”** on November 25, 2022.

NISER Outreach Talk Series

- Dr. Tirumala K. Chowdary from NISER spoke at length on **“Where the COVID-19 pandemic virus, SARS-CoV-2, comes from? - A difficult question to answer”** on July 29, 2022.
- A panel discussion on **“RBI's Annual Report, 2021-22”** was conducted by eminent speakers from the Department of Economic and Policy Research, Reserve Bank of India, on August 12, 2022.
- Professor Richard N. Zare from the Department of Chemistry, Stanford University, delivered a talk on **“A New Way to Stop the Spread of Viral Respiratory Infections”** on August 19, 2022.
- Prof. Rohini Balakrishnan, a critically acclaimed ecologist and bioacoustics expert at CES, IISc, gave a talk on **“Benefits and costs of acoustic communication in crickets and katydids”** on August 20, 2022.
- Prof. N. Sathyamurthy, Honorary Professor from IISER Mohali, spoke on **“Learning Science from the Kitchen Garden”** on September 16, 2022.
- Professor Surendra Ghaskadbi from the Developmental Biology Group, Agharkar Research Institute, gave a talk on **“Development of Animal Form”** on October 12, 2022.

- Dr. Jayesh Mahendra Goyal from NISER delivered a talk on **“Exoplanets and the Search for Habitable Worlds”** on November 18, 2022.

Oorna Talks

- On the eve of World Wildlife Week 2022, Dr. Rittik Deb from the School of Biological Sciences delivered a talk on **“Tree Crickets use Tools to Amplify their Mating Calls - HOW and WHY?”** on October 21, 2022.
- Oorna organized a student talk during World Wildlife Week 2022, delivered by Ashlesh Pattnaik from the School of Biological Sciences, titled **“Pitch Perfect”** on October 23, 2022.

The Free Radicals Talks

- TFR organized a student talk on **“Kinetic Investigations of the Catalytic Hydration of Nitriles to Amides”**, which was delivered by Shivam Mahapatra of Int. M.Sc. from the School of Chemical Sciences.
- Organized Alumni Talk on **“Local Excitations in Crystalline Point Defects with Multireference Density Matrix Embedding Theory”** by Mr. Abhishek Mitra from the University of Minnesota and **“Competing reaction dynamics with second-order saddles”** by Ms. Richa Rashmi from the University of California.



Dr. Amaresh Jaiswal
The Recipient of the 'Young Achiever Award,' DAE Symposium on Nuclear Physics, 2022.



Prof. Bedangadas Mohanty
Appointed as the Deputy Spokesperson of the ALICE experiments at the Large Hadron Collider in CERN starting January 2023 for three years. ALICE consists of 173 institutions from 42 countries and 1946 members. His role as the Deputy Spokesperson is to work with the ALICE team by providing directions from the field of Physics on upgrades to the detector and also to represent ALICE at various forums.



Dr. Ponneri C. Ravikumar
Awarded with 'CRSI Bronze Medal' for significant contribution to research in Chemical Sciences.



Dr. Satyaprasad P Senanayak
Selected for the 'Odisha Young Scientist Award' for his outstanding contributions to the field of science and technology. He received this award in the category of Odia young scientists working outside the state of Odisha in 2020.

AWARDS & HONORS



Prof. Sudhakar Panda, Director of NISER
Honoured with the prestigious 'Biju Patnaik Award for Scientific Excellence' for the year 2020 in recognition of his outstanding lifetime contributions to the field of

Science and Technology. Instituted by Odisha Bigyan Academy, Government of Odisha, the award is given to Odia Scientists working in India or abroad each year for their lifetime research contributions in the area of science and technology.

STUDENT ACHIEVEMENTS



Mr. Pushendra Gupta
Awarded the Best Poster Award at the Frontiers in Materials for Technological Applications (FIMTA-2022), IMMT Bhubaneswar.

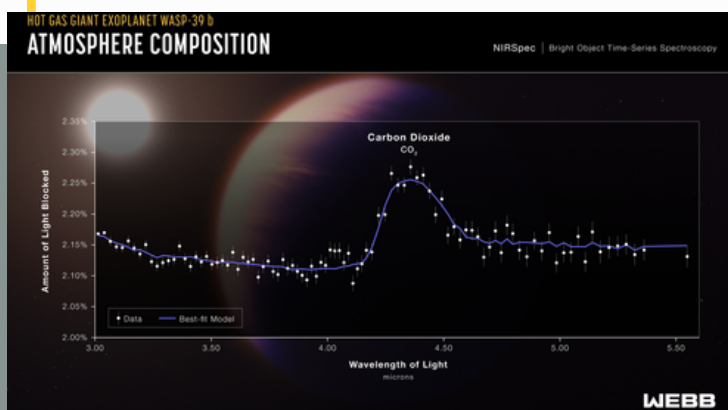


Mr. Satyapriya Nath
Received the Best Poster Presentation Award at the 27th Indian Society of Chemists and Biologists International Conference held at BIT Mesra, Ranchi.

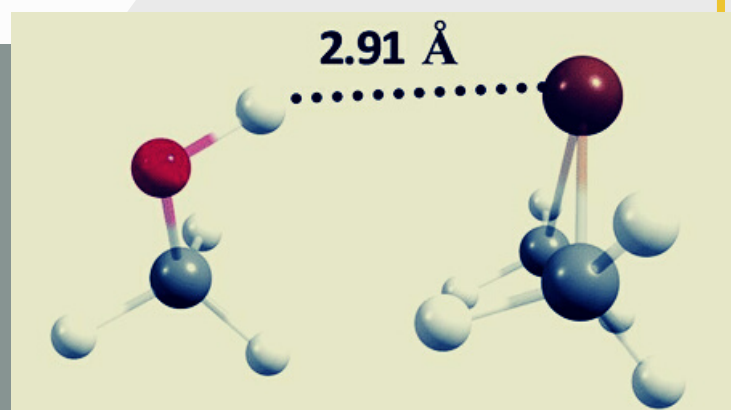
RESEARCH & DISCOVERY



A multinational team of scientists around the world, including **Dr. Jayesh Mahendra Goyal** from the School of Earth & Planetary Sciences, NISER, have found the first clear evidence of carbon dioxide in the atmosphere of a planet outside the solar system using the observations from a recently launched James Webb Space Telescope (JWST). This observation of a gas giant orbiting a Sun-like star 700 light-years away provides important insights into the composition and formation of the planet. The finding, which is published in *Nature*, is also indicative of Webb's unique ability to detect and measure carbon dioxide in the thinner atmospheres of smaller, rocky planets.



“Can polonium form hydrogen bonds?” The research team of NISER, led by **Dr. Himansu Sekhar Biswal** from the School of Chemical Sciences, calculated the first report on hydrogen bonding with polonium. Using density functional theory (DFT), they have shown how X-H...Po hydrogen bonds can form, using Me₂Po as the hydrogen bond donor. They also performed two-component relativistic DFT calculations and discovered that unlike other chalcogen complexes, the relativistic effect influences hydrogen bonding in polonium complexes.



Dr. Priyadarshi Chowdhury from the School of Earth & Planetary Sciences Proposed a new evolutionary path for Earth's tectonic and continental evolution since its formation. The early evolution of the early Earth system has remained a challenge in solid Earth geosciences, and his paper tried to answer it which published in *Reviews of Geophysics* (Impact Factor 24.95) in collaboration with researchers from Monash University (AUS), University of Adelaide (AUS), and University of Bristol (UK).



Image by Pulkit Ojha

STUDENT ACTIVITIES

OORNA Nature Club

- Conducted a Tree Trail: a Tree Walk during the August Tree Festival on August 20th and 21st. Dr. Geetha Ramaswami led the walk and familiarized the participants with the knowledge of plants, seasons, and how the two are linked.
- conducted two bird-watching sessions on September 2nd and 3rd. The participants were taken on a bird walk inside the campus with the aim to help the participants get an idea about and understand the importance of bird diversity in our campus.
- As part of the World Wildlife Week 2022 campaign, conducted a herping session by Dr. Aniruddha Roy and Ansuman Satyaswarup followed by an art competition called "Nature on Canvas," and finally, a hike to Barunei Hills.

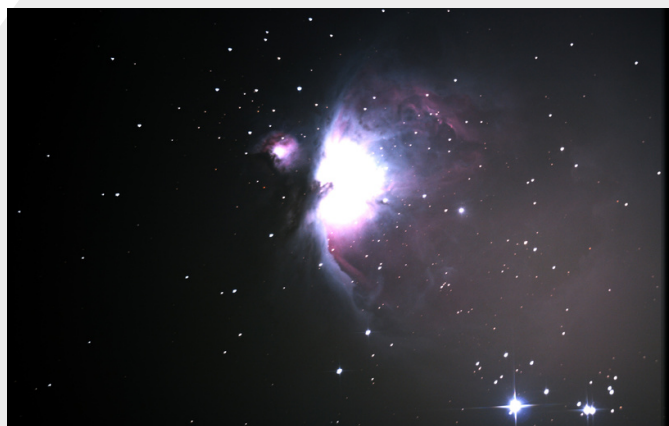


Quizone

- Quizone in collaboration with the quiz club of IIT Bhubaneswar, hosted a general quiz in NISER, which saw enthusiastic participation of over a hundred students from both the institutes. After an enthralling written round of prelims, eight teams were selected to play in the finals. The finals were very competitive, with multiple rounds of stimulating quizzing.
- Conducted an insta quiz on the club's official Instagram page. As part of the competition, a time-limited quiz was conducted every day for fifteen days in which the top three fastest correct answers were announced each day.

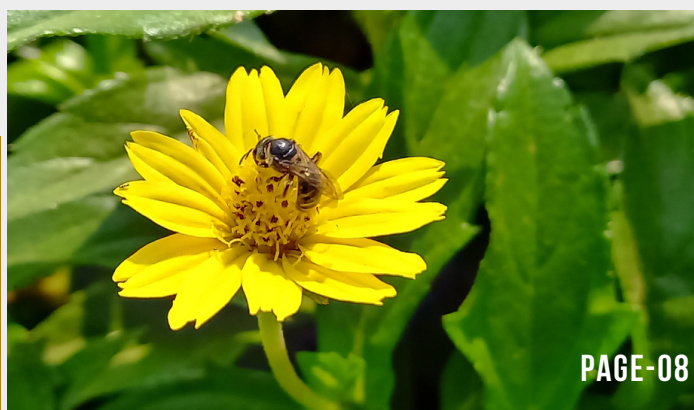
Astronomy Club

- NAC conducted telescope training sessions for the new joiners of the club. Students were oriented about the 6-inch & 8-inch equatorial mount telescopes and took photographs of Jupiter and its moons. Performed a three-week observation run to study Jupiter's revolution period and calculate its mass and orbital synchronization using Kepler's laws of planetary motion. NISER members observed the partial solar eclipse on October 25 and the lunar eclipse on November 8 through binoculars and telescopes, breaking myths about eclipses.
- On the eve of Children's Day, NAC conducted an interactive session with school children followed by a demonstration of telescopes. In association with the NISER Outreach Committee, NAC hosted a session for visiting teachers and professors. Recently, NAC launched the 4th edition of its magazine 'Kshitij,'.



Photography Club

- Conducted a workshop series "Into the camera," whose first session was on September 9, 2022. The series started with the club teaching the basics first followed by advanced lessons in photography to the students interested in honing their photography skills.



- The other event was the “Sci-pic photography” competition which was part of the outreach week activities of NISER. Here, the school and college students that participated were required to showcase their skills by capturing a pic that described a scientific phenomenon or theory. The resulting photographs were very interesting as they provided a lens for understanding science through the art of photography.



Vaktavya

- Vaktavya conducted an intercollege debate in a parliamentary style between NISER and IIT Bhubaneswar on August 14, 2022, titled "By prioritizing applied sciences over basic sciences, respective fields India has skipped steps of economic development." The NISER team, always affectionate to basic sciences, was for the motion, behaving as the opposition. The IIT Bhubaneswar team, in contrast, defended the motion and took the role of the ruling government. This event brought students pursuing pure and applied fields of science to debate on a highly relevant issue, arguing for the prioritization of their respective fields.



The Free Radicals

- Participated in Aromatte 2022 by organizing a GroupFie contest, a photography competition where participants had to upload selfies clicked at various situations and places during the semester based on preannounced themes such as the Eleventh-hour assignment, the Surprise Quiz, etc.
- Also participated in Prerana 2022 through a demonstration session; several fun chemistry experiments including elephant toothpaste, liquid nitrogen freezing, fluorescence, color flame test, and baking soda rocket were performed in front of the children.



Zaariya

- Zaariya chose to celebrate Raksha Bandhan by honouring and acknowledging the hard work and dedication of the security staff of NISER. As part of the celebration, Zaariya volunteers were divided into groups and handed special handmade rakhis to tie on the wrists of the gatekeepers of our campus. True to the words “nothing matters more than love,” their reactions were priceless.
- Like every year, Zaariya conducted a Food fest on the eve of Diwali (October 24, 2022), where members of the NISER community got the opportunity to go around, buy and savour food items prepared at the food stalls by our volunteers. As this is a major club fundraiser, many volunteers chose to donate portions of their profit to the club.

- Zaariya also celebrated the World Children's Day by inviting children of our security staff, housekeeping staff, IWD workers and organizing different science-related games and activities that would draw them towards the wonders of science. For the event, Zaariya collaborated with TFR, RTC, NAC, Mathematix, Vikiran, Oorna and Sapsara to engage the little minds.



- Zaariya conducted a blood donation camp on the campus in collaboration with an NGO based in Bhubaneswar. The turnout was commendable as many members of the NISER community came forward and donated their blood willingly. The event was well received and was even covered in regional newspapers.



Open Mics/Discussions

- In light of the decision to scrap KVPY (Kishore Vaigyanik Protsahan Yojana), an open mic was conducted on 29th July in hybrid mode to discuss and debate the impact of DST's decision on the research landscape in India. The lively discussion attracted nearly fifty students, joining both offline and online.
- An open mic was held in the SAC area on 18th September, with the topic being- "Stray animals in the campus are a nuisance." The participants engaged in a lively discussion, with topics ranging from animal rights to human morality.
- On the 5th of November 2022, an open mic was held on the topic "Host nations are ethically obligated to render citizenship to refugees fleeing persecution in their home nations," where anyone could give their opinion on the same and debate and argue with others who disagree.



ALUMNI CONNECT

Dr. Rakesh Kumar Majhi

(Ph.D./2018/School of Biological Sciences) joined as an Assistant Professor in the Biological Sciences & Bioengineering at IIT Kanpur.



Mr. Prajnanandan Giri

(Int. MSc/2020/School of Chemical Sciences) secured 50th rank in the Odisha Civil Services Examination and joined as an Assistant Collector at the Office of the Sub-Collector, Karanjia, Mayurbhanj.



Dr. Samir Banik

Ph.D./2021/School of Physical Sciences) Ph.D. thesis has been selected for honorable mention by the Indian Physics Association Award Committee for the "Rahul Basu Memorial Best Thesis in High Energy Physics" 2020-2022.



Dr. Rajula Srivastava

(Int. M.Sc./2017/School of Mathematical Sciences) Ph.D. thesis selected for the Association of Women in Mathematics (AWM) Dissertation Prize 2023.



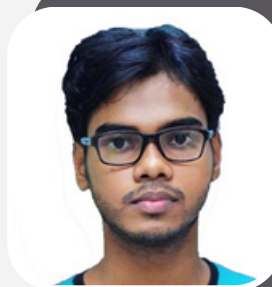
Dr. Sushant Kumar Singh

(Int. M.Sc./2013/School of Physical Sciences) received the Prof. C.V.K. Baba Award of the Indian Physics Association for the Best Thesis Presentation in Nuclear Physics at the DAE Symposium on Nuclear Physics



Dr. Milan Pramanik

(Ph.D./2022/School of Chemical Sciences) received the CRS Young Scientist Outstanding Research Award for the year 2022 by Chirantan Rasayan Sanstha, Midnapore.



Mr. Tanmaya Mishra

(Int.M.Sc./2019/School of Physical Sciences) received the Tom Scott Memorial Award 2022 for his work on astrophysics of high-mass black hole systems & applications of AI for the detection of GW signals.



OTHER EVENTS

11th Graduation Ceremony

NISER celebrated its 11th Graduation Ceremony on July 15, 2022. The 5-Year Integrated M.Sc., Int. M.Sc.-Ph.D. and Ph.D. students who successfully completed their academic degrees were awarded degree certificates, mark sheets, and medals. A total of 125 Integrated M.Sc., 9 Integrated M.Sc.-Ph.D. (M.Sc. degree), and 29 Ph.D. students graduated in 2022. Prof. Krishna N. Ganesh, Director of IISER Tirupati and Founding Director of IISER Pune, was the Chief Guest for the ceremony.



Independence Day Celebration

NISER celebrated the occasion of the 76th Independence Day by unfurling our national flag in the campus. The celebration continued with a cultural program by our students followed by the inauguration of the Biogas plant (NISARGRUNA) by our Director. The program ended with a mass plantation drive by the NISER community as part of the "Azadi ka Amrit Mahotsav".



Observance of Sadbhavana Diwas

To commemorate the birth anniversary of former Prime Minister, Late Shri Rajiv Gandhi, the NISER community took the Sabhavana Diwas pledge on August 19, 2022. Our Director administered the pledge on this auspicious occasion.

Foundation Day

In keeping with NISER's tradition of celebrating its Foundation Day by inviting eminent scientists to deliver pertinent talks, a lecture was arranged in the Pathani Samanta Auditorium on September 6, 2022. The speaker, Prof. Ashoke Sen from the International Center for Theoretical Sciences, Bengaluru, graced the occasion by giving a talk on "The Future of Our Universe".



Rajbhasa Hindi Diwas Celebration in the Institute/ संस्थान में राजभाषा हिन्दी दिवस समारोह

In order to promote the importance of Hindi, several programs and competitions were organized at the institute under the Official Language Hindi Fortnight from 14th September to 29th September, 2022. The institute's students, staff, and faculty members participated enthusiastically in all the programs and competitions.



Hindi Fortnight Closing Function

The closing function was organized in the Pathani Samanta Auditorium on September 30, 2022. Dr. Ranjita Jena, HOD of the Department of Hindi from Kalinga Institute of Social Sciences, Bhubaneswar, who was the Guest of Honor for the occasion, delivered the valedictory talk. At the end of the function, the Honorable Director of NISER, the Chief Guest of the function, distributed the cash prizes & certificates to the winners of different competitions.

Inauguration of National Flag Mast

To give a position of honor to our National flag, which represents the hopes and aspirations of the people of our country, a hundred-foot National Flag Mast was installed at NISER on October 20, 2022 by our honorable Director.



Observance of Rashtriya Ekta Diwas

To commemorate the birth anniversary of Shri Sardar Vallabhbhai Patel, popularly known as the 'Iron Man of India', the NISER community passionately celebrated the National Unity Day on October 31, by taking Rashtriya Ekta Diwas Pledge.

Vigilance Awareness Week

Observed over the course of a week from October 31st to November 6th, 2022, the vigilance awareness week came to an end with a pledge-taking ceremony on 2nd November. Our Director administered the pledge on this occasion.

Observance of Constitution Day

The NISER Community took the Constitution Day pledge on November 25, 2022 to commemorate the adoption of the Constitution of India and reaffirm our commitment to upholding its ideology. Our Registrar administered the pledge on this occasion.

Research attainments and collaborations

MoU with Bhubaneswar City Knowledge Innovation Cluster (BCKIC)

NISER signed an MoU with Bhubaneswar City Knowledge Innovation Cluster (BCKIC), Bhubaneswar on October 21, 2022.

The objective of the MoU is To strengthen our science and technology ecosystem. In order to achieve that, BCKIC and NISER shall bring their expertise together which would augment and

strengthen the knowledge and innovation space with translational impact.

BCKIC shall work extensively in the field of problem identification with the help of the connections it has with academia, industry, government, and start-ups. That along with NISER's institutional expertise shall provide a strong foundation for arriving at solutions. BCKIC shall also work on integrating existing/upcoming innovations at NISER with different stakeholders for translational impact.



FIH Odisha Hockey Men's World Cup 2023 Procession

After a successful nationwide tour, the men's Hockey World Cup trophy returned to Odisha, which hosted the sporting extravaganza earlier this year. The prestigious trophy received a grand welcome at the NISER with fireworks, flowers, music, and dance. The enthusiasm of the members of NISER, local schools, and the whole community was at its zenith. On January 23rd this year, the quadrennial Hockey World Cup will see the participation of 176 players from 16 countries.



SUPERANNUATION

Our Institute bid farewell to Mr. U Paulchamy on December 31, 2022, who worked as the Officer on Special Duty (OSD) in Finance & Accounts Section. We express our sincere gratitude for his contributions to NISER and wish him a wonderful retirement!



NEW STAFF JOINED



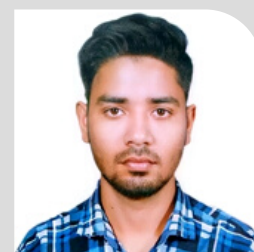
Umakanta Sasmal
Scientific Assistant-B
[Mechanical] at Central
Workshop, joined on
September 5, 2022.



Subhas Das
Scientific Assistant-B
[Library] at Central
Library, joined on
September 5, 2022.



Basudev Mallick
Technician-B at Central
Workshop, joined on
September 7, 2022.



Banoth Sridhar
Technician-B at Central
Workshop, joined on
September 8, 2022.

NEW FACULTY JOINED



Rittik Deb
Assistant Professor at
School of Biological
Sciences, joined on
October 13, 2022.



Rekha Biswal
Assistant Professor at
School of Mathematical
Sciences, joined on
November 1, 2022.



Narayan Rana
Assistant Professor at
School of Physical
Sciences, joined on
December 30, 2022.



Deepak Kumar Pattanaik
Technician-C at Central
Workshop, joined on
September 15, 2022.



Ganesh Mandi
Technician-C [Electrical]
at Estate Management &
Works, joined on
September 15, 2022.



NISER Newsletter

Vibes

राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान
National Institute of Science Education and Research
परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वयंशासित संस्थान
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Reach Us

+91 674 2494515
vibes@niser.ac.in
www.niser.ac.in/vibes