

VIBES

NISER NEWSLETTER

JULY - DEC 2022
VOL 4, ISSUE II


Azadi Ka
Amrit Mahotsav



भारत 2023 INDIA

वसुधैव कुटुम्बकम्

ONE EARTH • ONE FAMILY • ONE FUTURE

www.niser.ac.in/vibes

- 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.

National Institute of Science Education & Research Bhubaneswar

Annual Report

and

Audited Statement of Accounts

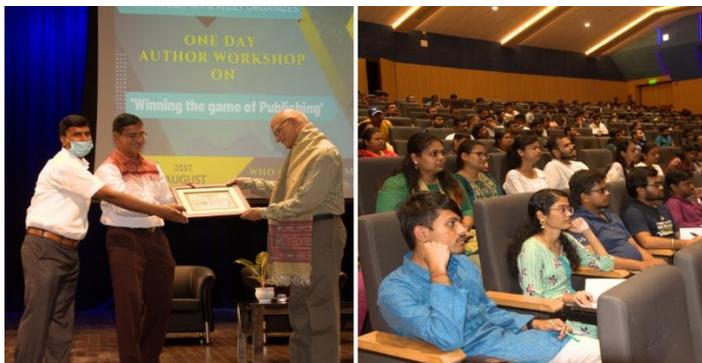


भारत 2023 INDIA



2022-2023

The Central Library, NISER, and Wiley are jointly organized **Author Workshop** on **"Winning the Game of Publishing"** on August 31, 2022. Mr. Yateendra Joshi, delivered the workshop's keynote address.



During **Rajbhasha Hindi Pakhwada** (14 September 2022 to 29 September 2022), the Central Library organized an exhibition of Hindi literature books that were displayed for all Library patrons. This exhibition was well received by all library users.



On October 12, 2022, the Central Library, NISER hosted the **SciFinder-n Training Session** for research scholars and faculty from the Schools of Chemical Sciences and Biological Sciences.



The Central Library, and Bridge People Technology Solutions jointly conducted the **Grammarly Webinar** Session on November 16, 2022. Manisha Bisht, from Bridge People Technology Solutions, was the webinar's keynote speaker.

The Central Library, NISER, endeavored to establish a space, i.e., the Children's Library, which was officially inaugurated on December 11, 2022, by the Director, NISER.



On January 30, 2023, the Central Library, and Thieme Publisher collaborated to host an **Editorial talk** on **"Common Pitfalls for Scientific Writing & Science of Synthesis."** The resource person was Dr. Rohit Bhatia, Acquisitions Editor at Thieme Chemistry.



The Central Library officially inaugurated the **Popular Science Section** on February 28, 2023. This newly established area caters specifically to the needs of library users who predominantly explore scientific, technical, and scholarly literature during their reading endeavors.



Outreach Visits

On June 30, 2022, Master of library and information science (MLISc) students from Utkal University, Vani Vihar visited the Central Library, NISER for a fruitful discussion on common study subjects. The session commenced with an orientation talk delivered by SO-C (Library).



On 8th Febryury 2023, Bachelor of library and information science (BLISc) students from Shailabala Women's College, Cuttack visited the Central Library. The purpose of their visit was to engage in a discussion on shared study subjects. SO-C (Library)

provided an orientation talk to the students, which was followed by a tour of the library.



Internship Programs

Ms. Shubalaxmi Mohanty, a student of Master of Library and Information Science (MLISc) at Central University Gujarat, Gandhinagar successfully completed a one-month internship in the Central Library, NISER, Bhubaneswar from 05th September 2022 to 04th October 2022. During the internship, Ms. Mohanty actively participated in various hands-on training sessions offered by different library section.

