

NEWSLETTER



Indian Institute of Science Education and Research (IISER) Kolkata is a premier institute for science education and research, established in 2006 by the Ministry of Education (MoE), Government of India. The institute campus at Mohanpur is spread over 200 acres of sprawling lush green land, situated in a pollution-free, healthy natural environment.

Currently, the institute has 998 BS-MS, 21 MS, 516 Ph.D., 122 IPh.D. students, 51 Post Doctoral fellows, and 129 faculty members of various disciplines with 92 non-teaching officers and staff members. The Institute currently has 383 Ph.D., 23 IPh.D. students, awarded fellowships from various external funding agencies, such as INSPIRE, UGC, CSIR, PMRF, DBT, etc., with 80 Ph.D. & 98 IPhD students sponsored by the Institute.

Science Day Celebrations at IISER Kolkata

IISER Kolkata celebrated the National Science Day on 28th February to commemorate the discovery of the "Raman Effect" by the Indian physicist Sir C.V. Raman in 1928. The theme of National Science Day 2023 is "Global Science for Global Wellbeing," which reflects the nation's increasing international visibility and significance.

It is an excellent opportunity to showcase the academic opportunities at IISER Kolkata to inspire and attract the future generation scientific thinkers and innovators.



International Day for Women and Girls in Science at IISER Kolkata

The International Day for Women and Girls in Science is celebrated each year to promote equal and full access to women and girls in science.

Dr. Mitali Chatterjee, Professor of Pharmacology from the Institute of Postgraduate Medical Education & Research (IPGMER), Kolkata delivered a talk on this occasion of the International Day for Women and Girls in Science at the institute.



Students' Achievements



ABHIPRAJNA 2022 Mains: Silver in the House!

Our students **Sayantana Khan, Aikya Banerjee, Priyajit Jana, and Tisha Dash** represented IISER Kolkata in the Abhiprajna 2022 Mains organized by IISER Tirupati from 4th to 5th Feb 2023 with the overall Runners-up position in flying colours!



Mr. Manish Pathak, a senior Ph.D. student working with Prof. Sumana Annagiri, Department of Biological Science, IISER Kolkata was awarded funding worth \$1000, for conducting a three-phase outreach program to enhance the understanding and teaching of evolution for school teachers from Jharkhand and West Bengal.

Dr. Nitin Khandelwal alumnus of IISER Kolkata in 2022, currently working as a postdoctoral fellow with McGill University, Canada, has been selected for the position of Assistant Professor at the Department of Hydrology, IIT Roorkee. Dr. Khandelwal has also received the prestigious JSPS (Japan) and Newton International Fellowship (Imperial College, UK).



Mr. Rupam Paul pursuing Ph.D. under the supervision of Dr. Arnab Gupta, DBS, IISER Kolkata, has received the prestigious Carl Storm International Diversity Fellowship for presenting his research work at "Cell Biology of Metals Gordon Research Conference 2023" West Dover, VT, United States.



Ms. Aikya Banerjee, a third-year BS-MS student, has been selected as an International Winner in the Art & Science Competition organized by OWSD Mauritius in 2020-21.

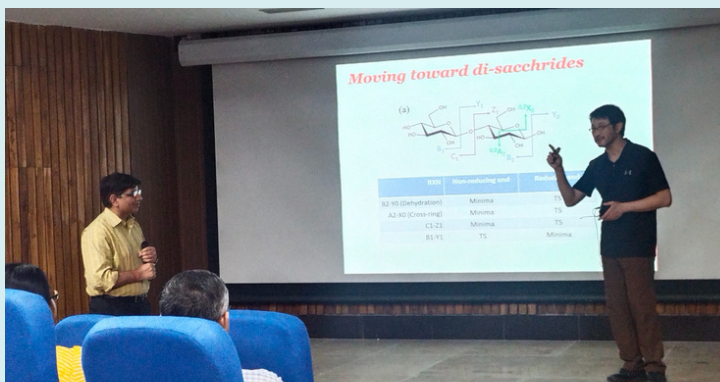


Dr. Santu Bera, who successfully completed Ph.D. under the mentorship of Prof. Debasish Haldar, Department of Chemical Sciences, has received Ramanujan Fellowship from SERB, Govt. of India.

Dr. Sriman De, who completed Ph.D. under the supervision of Prof. Debasis Koley, DCS, IISER Kolkata, has joined as a Research Scientist (Computational Chemist) in Eli Lilly India Private Limited at Bangalore.



Colloquium & Workshop



Prof. Jer-Lai Kuo, Institute of Atomic and Molecular Sciences, Academia Sinica, Taiwan delivered an Institute Colloquium on 23rd February 2023. "Exploring Physical and Chemical Space of Molecular Systems from First Principles: Human and/or Artificial Intelligence".



A Workshop on "Luminescence Dating and its applications to Geosciences" was conducted during 1-3rd February 2023 by Dr. Manoj K. Jaiswal, DES. The program was designed to cover the presentations by students/young researchers, teaching the basics and various aspects of methodologies in classroom style followed by lectures & discussion.

SEMINARS

- Dr. Md Sabir Ali [Post-Doctoral Fellow, IISER Kolkata] delivered a talk on 13.02.2023: "Black holes, its strangeness and properties."
- Dr. Murali Krishna Chilakapati [Scientific Officer 'G', Advanced Center for Treatment] delivered a talk on 14.02.2023: "Optical Theranostics: Perspectives from My Two Decades+ Journey."
- Prof. Rajib Sarkar [Technische Universität Dresden Institut für Festkörper- und Materialphysik, Germany] delivered a talk on 15.02.2023: "Competing orders and spin dynamics: Nuclear probes."
- Dr. Somnath Ghosh [Indian Institute of Technology Jodhpur] delivered a talk on 16.02.2023: "Exploring the exceptional points in photonic structures for specialty applications."
- Dr. Utsav Mannu [Assistant Professor, IIT Gandhinagar] delivered a talk on 18.02.2023: "Geodynamic Modelling and Structural Influence of Thermal Evolution on Subduction Wedges."
- Prof. Prolay Kumar Mal [National Institute of Science Education and Research (NISER), Bhubaneswar] delivered a talk on 21.02.2023: "What's next at the LHC Run 3 after the Higgs' blockbuster?"
- Dr. Shourya Dutta-Gupta [IIT Hyderabad] delivered a talk on 21.02.2023: "Understanding plasmons in Ag-Cu alloy system."
- Dr. Ankur Das [Weizmann Institute of Science, Rehovot, Israel] delivered a talk on 22.02.2023: "Shot Noise as a Diagnostic in the Fractional Quantum Hall Edge Zoo."
- Prof. Pradeep Kumar Mohanty [Professor, IISER Kolkata] delivered a talk on 27.02.2023: "Vision: Perception versus Reality."
- Prof. Andrey Gogolev [Ohio State University, USA] delivered a talk on 07.02.2023: "Rigidity: from geometry to dynamics and back."
- Prof. Mahmoud Zeinalian [Lehman College CUNY, USA] delivered a talk on 14.02.2023: "Integration over matrices and gluing surfaces."
- Prof. Mahmoud Zeinalian [Lehman College, CUNY USA] delivered a talk on 15.02.2023: "Cyclic cohomology and the string topology operations."
- Prof. Sundaram Thangavelu [IISc Bangalore] delivered a talk on 27.02.2023: "How to define Fourier transform on Heisenberg groups?"
- Dr. Sutanu Roy [NISER Bhubaneswar] delivered a talk on 27.02.2023: "Quantum symmetries of finite spaces"

Outreach Activities & Events



Prof. Priyadarshi De and Prof. Raja Shunmugam from IISER Kolkata visited the National Taiwan University of Science and Technology (NTUST), Taipei Medical University (TMU), National Taiwan Ocean University (NTOU), and the Academia Sinica to give seminars and initiate collaboration. During the meeting, they explored the possibilities of the exchange program for the students and the faculty of both the countries.

Campus Bird Count 2023

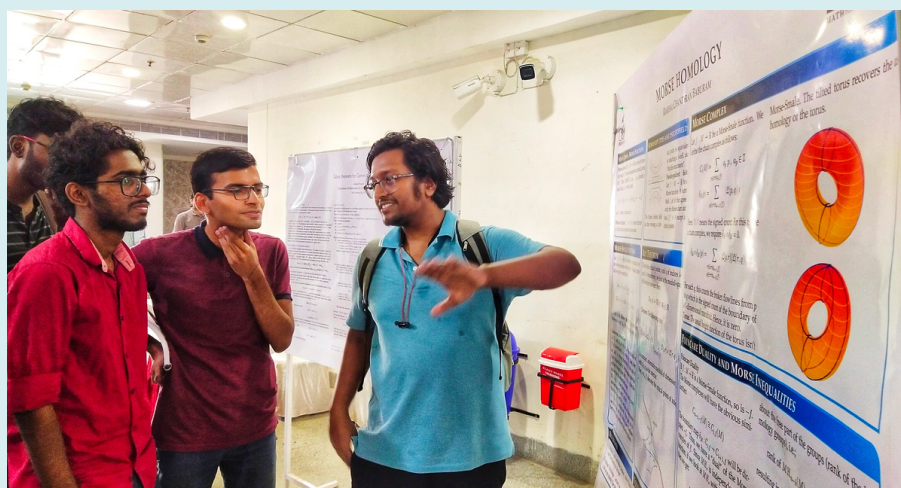
The IISER Kolkata Nature club organized the Campus Bird Count 2023 event on 19th February. It is a coordinated effort to document bird life on multiple campuses across India and a fun-loving event in documenting the bird diversity within the campus and enjoying our campus's morning breeze. Some local bird lovers and watchers had also joined the team.



Speak For India - West Bengal Edition 2022-23

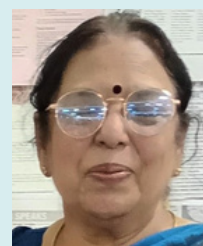
Speak for India – West Bengal edition is a journey to find the most vibrant, confident, and persuasive debater from the state of West Bengal. This year the contest was held at the IISER Kolkata campus on 25th February, with a large number of student participants.

DMS SYMPOSIUM 2023



Department of Mathematical Science of IISER Kolkata hosted one day event on 25th February for celebrating the Department of Mathematics and Statistics Symposium 2023. Dr. Arijit Chakraborty from ISI Kolkata and Prof. Mahesh Kakde from IISc delivered talks on this occasion along with curated talks by BS-MS students of IISER Kolkata.

Awareness program on "Gender & Harassment" - Dr. Rama Sivaram



Dr. Rama Sivaram from KEM Hospital Research Center, Pune delivered a lecture on 21st Feb on issues related to harassment which goes beyond gender, into personhood and the right to be oneself and safe.