

IISER KOLKATA Newsletter



November, 2025

www.iiserkol.ac.in

Indian Institute of Science Education and Research Kolkata (IISERK) is an Institute of National Importance established as an autonomous institute for higher education by the then Ministry of Human Resource Development (now Ministry of Education), Government of India, to promote high-quality education and research in basic sciences.

iGEM IISER Kolkata team



We are delighted to share that the iGEM IISER Kolkata team has once again brought laurels to our institute by winning a Gold Medal at the iGEM Grand Jamboree 2025 Competition, held in Paris. This prestigious achievement places IISER Kolkata among the top-performing institutions worldwide in the field of synthetic biology. Beyond the Gold Medal, the team also received positive feedback from various judges, advisors, and fellow participants for its interdisciplinary approach and strong human practices initiatives. This success continues our institute's legacy of excellence in iGEM, reflecting the dedication, creativity, and teamwork of our students, mentors, and supporting faculty members.



Visit of Japanese delegates from the Japanese Science and Technology Agency (JST)



Japanese delegates from the Japanese Science and Technology Agency (JST), headed by Mr. Takashi Konishi, Director/Fellow, Asia and Pacific Research Center, JST, along with Ms. Kana Asano, Manager, Office for International Science and Technology Policy and Information Study, JST; Mr. Masafumi Senda, Country Head, NEDO New Delhi Office; and Mr. Dheeraj Kumar Bhardwaj, Representative, NEDO New Delhi Office, visited IISER Kolkata on 18 November 2025 for a high-level dialogue on bilateral collaboration in cutting-edge research, innovation, and technology transfer.

Visit of Deputy Consul General of Germany in Kolkata

Ms. Gabriele Manig, Deputy Consul General of Germany in Kolkata, accompanied by Ms. Susmita Mandal (Officer – Political Affairs, Culture, Press and Public Relations), visited IISER Kolkata on 14 November 2025. They interacted with the Director, Deans, and Heads of Departments of IISER Kolkata. The discussions focused on expanding bilateral research collaboration, marking a significant step toward strengthening academic and scientific partnerships.



Visit of Representatives from the British Embassy

Representatives from the British Embassy visited IISER Kolkata on 21 November 2025 for a high-level deliberation aimed at strengthening knowledge transfer and advancing research collaboration between IISER Kolkata and leading British universities.

The interaction focused on exploring strategic partnerships, fostering academic exchange, and identifying new avenues for joint research initiatives. This visit marks a significant step towards deepening international collaboration and reinforcing IISER Kolkata's global engagement in cutting-edge research and innovation.



PRATAP 2025, IISER Kolkata's first-ever inter-college athletics meet

PRATAP 2025 marked IISER Kolkata's first-ever inter-college athletics meet - a celebration of strength, speed, and sportsmanship. Over two action-packed days (8-9th November), athletes from across institutes came together to compete, connect, and create history on our newly prepared athletics ground. The event witnessed enthusiastic participation from colleges nearby, making it a true convergence of athletic talent and spirit. PRATAP 2025 marks the beginning of a new sporting legacy at IISER Kolkata.



Vigyan Pratibha Regional Centre IISER Kolkata

Vigyan Pratibha Regional Centre IISER Kolkata extended its activity in Darjeeling conducting VP Learning Units in different Schools in Darjeeling. The week-long program concluded with a district level Science Exhibition at RKSP Boys School on 7th of November 2025 organised by Sanyukta Madhyamik Shikshak Sangathan, Gorkhaland Territorial Administration, Darjeeling. Prof. Anindita Bhadra and Prof. Ayan Banerjee addressed the exhibition assembly motivating the students towards exploring the wonders of science.



Faculty Members Achievements

Prof. Nirmalya Ghosh of DPS and CESSI has been elected as a Distinguished Fellow of the International Engineering and Technology Institute (IETI). IETI is a leading academic, non-profit international organization dedicated to promoting high-level interdisciplinary collaboration across engineering, technology, and related fields. Prof. Ghosh has also received a SPARC (Scheme for Promotion of Academic and Research Collaboration) grant for the proposal titled, "Hybrid metamaterials-based miniaturized spin-orbit photonic weak measurement device for bio-sensing". Prof. Paras Prasad and Prof. Alexander Baev (SUNY, Buffalo) are the international collaborators for this project.



Prof. Amirul Islam Mallick was invited to deliver a talk at the Department of Infection Biology (DIB) Seminar at the London School of Hygiene and Tropical Medicine (LSHTM), London, UK, on 30 October 2025. The title of his presentation was "Bacterial Extracellular Vesicles: Emerging Nanocarriers for Multimodal Applications."



We are glad to share that Prof. Swadhin Mandal of the Department of Chemical Sciences has been selected as a Distinguished Scientist under the President's International Fellowship Initiative (PIFI) of the Chinese Academy of Sciences (CAS).

The PIFI Distinguished Scientist position is typically offered to renowned international scientists who are well-established and globally recognized in their respective fields. Recipients of this honour are invited to undertake a two-week lecture tour across CAS-affiliated institutions.

In the past, this prestigious position has been extended to several internationally acclaimed scientists, including Nobel Laureates such as Sir Andre Geim and Ferenc Krausz.

Students Achievements

We are delighted to share that the following students from the Department of Chemical Sciences have secured the prestigious Alexander Von Humboldt Postdoc fellowship award.

- Dr. Palash Jana, PhD supervisor Prof. Subhajit Bandyopadhyay
- Dr. Dr. Ayan Jati, PhD supervisor Dr. Biplab Maji
- Dr. Paramita Datta, PhD supervisor Prof. Swadhin Mandal
- Dr. Sudip Baguli, PhD supervisor Dr. Debabrata Mukherjee



Alexander von
HUMBOLDT
STIFTUNG

Priyansh Jaswal (22RS046), research scholar at the Center of Excellence in Space Sciences India (CESSI) working with Prof. Dibyendu Nandi, attended and contributed an oral presentation in the international conference 'The Variable Sun: Past, Present, and Future Perspectives', hosted by the Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram, Kerala, India from 13 to 17 October 2025.



Utkarsh Sharma (24RS056), Research Scholar at the Center of Excellence in Space Sciences India (CESSI), working under the supervision of Prof. Dibyendu Nandi, presented a poster in the International Workshop on "The Variable Sun: Past, Present, and Future Perspectives" organized from 13th to 17th October, 2025, at Vikram Sarabhai Space Centre and IIST, Thiruvananthapuram, Kerala.

A student team from the institute, consisting of Prakhar Dave (24MR002) and Priyadarshan Chaki (25MR005), both MS-by-Research students from Center of Excellence in Space Sciences India (CESSI), participated in the Build a Detector workshop hosted by the Institute for Gravitational Research at the University of Glasgow, Scotland. Over the ten-day program from 10th to 21st November 2025, the team studied the nature of gravitational waves, key astrophysical sources including black-hole and neutron-star mergers, and the various noise mechanisms that limit the sensitivity of ground-based detectors. They developed a conceptual design for a gravitational-wave observatory titled the Gravi-Hunt Observatory (GHO), detailing detector parameters, expected performance, noise curves, and source analyses. Their proposal was selected as the winning submission, earning the team an invited visit to the University of Glasgow and the University of Strathclyde to tour research laboratories and present their design to members of the Institute for Gravitational Research.



PhD student Ms. Ananya Chatterjee, working under the supervision of Prof. Partha Pratim Datta, Department of Biological Sciences, received the First Prize for her oral presentation at a national conference held at Bethune College, Kolkata, from 13-14 November 2025. Her award-winning presentation highlighted her research on the near-atomic resolution cryo-EM structure of a plant virus. The title of her presentation was "Near-atomic Structure of a Plant Virus Infecting Cucurbitaceae Plants at 2.86 Å Resolution."



Alumni Accolade

We are delighted to share that Dr. Satyadeep Waiba, completed his PhD under the able supervision of Dr. Biplab Maji, Department of Chemical Sciences, has joined the Department of Chemistry at IIT Bombay as an Assistant Professor. Dr. Waiba worked on manganese-catalyzed hydrogen transfer reactions. His consistent hard work, scientific maturity, and dedication have always been truly commendable, and his appointment at IIT Bombay is a well-deserved recognition of his potential as an independent researcher.



We are glad to share that Dr. Satyadip Paul, who recently completed his Ph.D. under the supervision Prof. Rahul Banerjee, Department of Chemical Sciences, IISER Kolkata, has joined CSIR–Indian Institute of Chemical Technology (IICT), Hyderabad, as a Scientist in the Department of Catalysis and Fine Chemicals. Dr. Paul has consistently demonstrated exceptional dedication and scientific acumen throughout his doctoral research, and this appointment is a well-deserved recognition of his capabilities.

Institute Colloquium at IISER Kolkata by Prof. Scott A. Hughes (MIT, USA)

The Department of Physical Sciences, IISER Kolkata, hosted an Institute Colloquium by Prof. Scott A. Hughes of the Massachusetts Institute of Technology (MIT), USA, on 12 November 2025 at the Asima Chatterjee Lecture Theatre. His lecture, titled “Einstein’s ears: The astronomy of gravitational waves,” attracted a full audience and generated wide enthusiasm across the institute.

The day began with short research presentations by Ph.D. scholars and BS-MS students, which Prof. Hughes attended with great interest. He interacted with the presenters, asked thoughtful questions, and offered encouraging feedback, making the sessions especially enriching for the student community.

In his colloquium talk, Prof. Hughes introduced the audience to the remarkable journey of gravitational-wave science. He explained how Einstein’s theory predicted ripples in spacetime, long believed impossible to detect due to the weakness of gravity.

With the breakthrough measurements beginning in 2015, these waves have now become powerful tools for exploring the universe.

Prof. Hughes highlighted how gravitational waves carry “sound-like” signatures from black holes and neutron stars, offering a new way of listening to the cosmos. He also touched upon surprising recent discoveries and the exciting role that upcoming facilities—especially LIGO-India—will play in advancing this new astronomy.

The day concluded with Prof. Hughes giving an interview to the Singularity Club and the Campus Radio team of IISER Kolkata, where he shared his perspectives on gravitational-wave research, collaborations in big science, and the future of astrophysics.

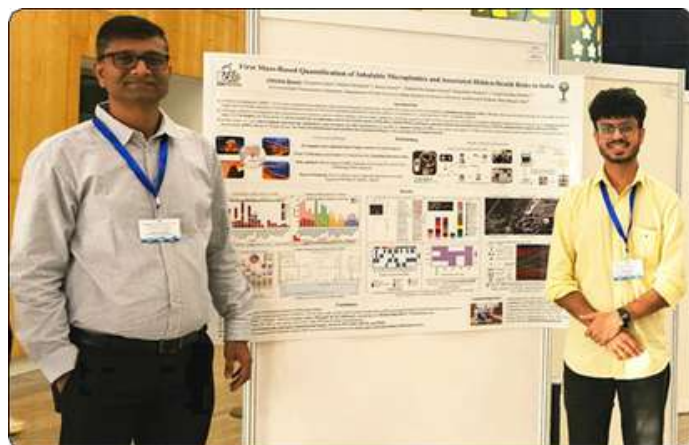


Environmental Nanoscience Laboratory (ENL) Highlights

Our group investigate the environmental fate and complex interactions of emerging pollutants, analyzing how nanomaterials and microplastics impact biological systems, human health and environmental ecosystem pathways.

Research Highlight: The Dawn of a New Air Pollutant

A groundbreaking research by Dr. Gopala Krishna Darbha and Mr. Abhishek Biswas, published in *Environment International*, reveals inhalable microplastics (iMPs) as a new class of emerging air pollutants threatening human health. Conducted across four Indian megacities, this is the first comprehensive assessment of airborne microplastics at breathing height, reveals urban residents inhale ~2.9g of microplastics in a lifetime, acting as vectors for toxins. This critical work garnered extensive coverage in *The Times of India*, *The Telegraph*, *The Indian Express*, *Nature India*, *Bartaman*, *Sanmarg* etc. highlighting IISER Kolkata's vital role in exposing environmental health threats.



Science of the Total Environment

journal homepage: www.elsevier.com/locate/scitotenv



A pilot investigation of PM₁₀-bound atmospheric microplastics over a protected mangrove ecosystem: Role of land-sea breeze circulation in marine and terrestrial inputs

Abhinandan Ghosh^a, Abhishek Mandal^a, Jay Karmakar^a, Swadhin Mazumdar^b, Gopala Krishna Darbha^{a,c,*}



Research Highlight: Airborne Microplastics in the Sundarbans

An impactful research by Dr. Gopala Krishna Darbha and Dr. Abhinandan Ghosh, has revealed the alarming presence of atmospheric microplastics within the pristine Sundarbans mangrove ecosystem. The study, "A pilot investigation of PM₁₀-bound atmospheric microplastics over a protected mangrove ecosystem," establishes how land-sea breeze circulation facilitates the transport of plastic pollutants from both marine and terrestrial sources into this protected biosphere. This pivotal discovery has sparked significant public discourse, garnering extensive coverage in major media outlets including *The Times of India*, *The Statesman*, *Aaj Tak*, *IBG News*, *The Financial World*, *Millenium Post* and *Ganashakti*. The findings underscore a critical environmental challenge, demonstrating that even protected zones are not immune to the complex dynamics of atmospheric plastic pollution.

Awards:

- Dr. Zahid Ahmad Ganie, graduated Ph.D. from ENL group (Nov 2024) has been awarded the prestigious JSPS Postdoctoral Fellowship. He is the 3rd student from this group to receive this fellowship after Nisha Singh and Nitin Khandelwal, making success rate 100%!
- Mr. Choudhary Aniket Dnyaneshwar, an Integrated PhD scholar, successfully defended his PhD thesis on September 2, 2025.
- Dr. Shouvik Mahanty, NPDF, got Best Poster Award at INTROMET-2025, held from 18–20 November 2025 at the Indian Institute of Tropical Meteorology (IITM), Pune of conference theme "Soil Hydrology: Weather, Agriculture, Water Resources, and Ecosystems Perspectives." and presented poster titled "Microplastic Contamination, Microbial Diversity, and Soil Health Risks in the Indian Sundarbans: Insights from Redox-Dependent Intertidal Zones."
- Mr. Mohammed Talib and Ms. Sangeetha Thykandi, presented oral and poster respectively in the International Conference on Sustainability Circularity Outreach and Policy for Environment (SCOPE) Organized by Centre for Environmental Science and Engineering (CESE), Indian Institute of Technology, Kanpur.

Host Pathogen Interactions Lab

- Paria P, Yadav S, Biswas P, Pathapati N and Mallick AI*. (2025). Structure-based screening and in vitro validation of potentially druggable molecules against *Vibrio parahaemolyticus* thermostable direct hemolysin (TDH) protein. Microbial Pathogenesis, (ELSEVIER)
- Bhowmick S, Yadav S, Varma A, Yadav S, Malakar D, Mondal S, Alizadeh M, Shayan Sharif* and Mallick AI*. (2025). Recombinant LAB vector engineered to secrete chicken IFN-Lambda3 induces an early but sustained activation of antiviral host responses against AIV infection. Poultry Science, 105973 (ELSEVIER)

Environmental Nanoscience Laboratory (ENL)

- Biswas, A., Saini, N., Chivukula, N., Samal, A., Jansari, M.R., Bhadury, P. and Darbha, G.K. (2025). The dawn of a new air pollutant: inhalable microplastics as emerging vectors of hazardous contaminants and their implications for human health. Environment International, p.109897. doi: <https://doi.org/10.1016/j.envint.2025.109897>
- Choudhary A. and Darbha, G.K. (2025). Impact of Minerals (Ferrihydrite and Goethite) and Their Organo-Mineral Complexes on Fate and Transport of Nanoplastics in the Riverine and Terrestrial Environments. Environmental Science & Technology 2025 59 (22), 11205-11215. doi: <https://doi.org/10.1021/acs.est.4c13395>
- Ghosh, A., Mandal, A., Karmakar, J., Mazumdar, S. and Darbha, G.K., 2025. A pilot investigation of PM10-bound atmospheric microplastics over a protected mangrove ecosystem: Role of land-sea breeze circulation in marine and terrestrial inputs. Science of The Total Environment, 1004, p.180797. doi: <https://doi.org/10.1016/j.scitotenv.2025.180797>
- Karwadiya, J., Kerketta, A.R., Pathak, S.K., Srivastava, S. and Darbha, G.K. (2025). Agronomic practices and road proximity drive plastic pollution in agricultural soils: Insights from Bihar, India on weathering, elemental association, and ecological risk. Environmental Pollution, p.126975. doi: <https://doi.org/10.1016/j.envpol.2025.126975>
- Thykandi, S., Choudhary, A., Mandal, A., Ganie, Z. A., & Darbha, G. K. (2025). Impact of sequential UV-aging of microplastics on the fate of antibiotic (tetracycline) in riverine, estuarine, and marine systems. Environmental Research, 286, 122926. doi: <https://doi.org/10.1016/j.envres.2025.122926>

Center of Excellence in Space Sciences India (CESSI)

- “Polar Filaments Capture High-latitude Solar Poloidal Field Interactions and Can Foretell the Future Sunspot Cycle Amplitude before Polar Field Precursors.”, Routh, S., Pal, S., Nandy, D., Chatterjee, S., Banerjee, D., and Khan, M.S., 04/11/ 2025., The Astrophysical Journal Letters 993.2 (2025): L44.
- “All-sky search for short gravitational-wave bursts in the first part of the fourth LIGO-Virgo-KAGRA observing run.”, Abac AG, ... Nayak R K. et al., 2025, Physical Review D, Volume 112, Issue 10, Pages 102005.



The Telegraph

Monday, 10 Nov, 2025

WORST: POLYESTER FIBRES SHED FROM CLOTHING

Microplastics ferry microbes to lungs

New Delhi: India's first scientific assessment of inhalable microplastics has found that tiny airborne particles from everyday items like polyester clothes and plastic bags can ferry bacteria and viruses into the lungs.



A new study by scientists from the Indian Institute of Science Education and Research (IISER) in Kolkata, who analysed air samples from markets in Calcutta, Chennai, Delhi and Mumbai, have documented bacterial and fungal species as well as lead, arsenic and chromium on the surface of airborne microplastics.

Beginning research to assess a higher level of pollution, it is a typical finding that a person exposed to eight hours per day to these concentrations could inhale 170 particles daily to Calcutta, 100 in Delhi, 100 in Chennai and 100 in Mumbai, their calculations suggest.

Electron microscopy images pointed to several bacterial and disease-causing fungal species adhering to the surfaces of the microplastics, the IISER researchers said, describing their findings in the journal *Environmental International*.

Even as the Trojan horse with microbes and other harmful contaminants, Gupta Krishna Das, an associate professor of earth sciences at IISER Calcutta, and his colleagues wrote in their study. "These results are a first step towards understanding the role of microplastics."

Delhi, research scholar Ashish Das and collaborators analysed air samples from New Market, Bazaar, Connaught Place, Nehru Place and Connaught Market in Delhi, and Connaught Place, Connaught Place, Nehru Place and Connaught Market in Chennai and Mumbai.

Continued on page 2

THE TIMES OF INDIA

Friday, 14 Nov, 2025

You inhale microplastics equal to a plastic bottle

Toxic Additives Pose Health Risks: Study

Subho Niyogi
@timesofindia.com

INVISIBLE THREAT

Health concerns

Microplastics derived from everyday urban activities remain suspended in the air, posing a persistent threat to respiratory health.

Microplastics are also carriers of harmful substances.

and toxic additives like diethyl phthalate (DEP). The presence of such contaminants in the air raises concerns about respiratory diseases, hormonal imbalances, and even cancers.

Need for action

Include microplastics in

Kolkata: An average Kolkata inhales about 2.9 grams of microplastics over a lifetime, equivalent to breathing in a small plastic bottle, a study by researchers from the Indian Institute of Science Education and Research (IISER) Kolkata, AIIMS Kalyani, and IMSc Chennai revealed.

NEWS FEATURE | 12 November 2025

nature india

Microplastics laden with toxins and pathogens fill India's marketplace air

Researchers warn of a "Trojan horse" effect as plastic particles small enough to inhale carry carcinogens and microbes into the lungs.

বর্তমান

মাইক্রো প্লাস্টিকের 'বোম্বার' কলকাতার ফুসফুস ৪ মেট্রো শহরের সবথেকে খারাপ অবস্থা কল্লেনলিনীর, আইসারের গবেষণা রিপোর্ট

জটিল মূল্য মূল্য কিংবা না। বহু, বিপর্যয় করে এবং হার মাইক্রোপ্লাস্টিকের বিশেষ ক্ষেত্রে সর্বোচ্চ মূল্য এবং মেশিনে মিশ্রিত করে সঠিক করে বিক্রয় করা।



हर सांस में प्लास्टिक : कोलकाता की हवा सबसे ज्यादा प्रदूषित

आइसईएआर
कोलकाता में बड़ी की हवा
मनुष्य को हवा
मनुष्य का श्वसन
अवस्था में कोलकाता की
हवा में बड़ी की हवा

हवा में মূল্য 'অবস্থা' অবস্থা
মাইক্রো প্লাস্টিকের 'বোম্বার' কলকাতার ফুসফুস ৪ মেট্রো শহরের সবথেকে খারাপ অবস্থা কল্লেনলিনীর, আইসারের গবেষণা রিপোর্ট

হাওয়া মূল্য 'অবস্থা' অবস্থা
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THE TIMES OF INDIA

Mangroves in danger: Plastic dust drifting in air deep inside Sundarbans, find IISER scientists

Krishanu Sandopandey
@timesofindia.com

Kolkata: The Sundarbans, long seen as one of the planet's last wild frontiers, is now revealing a quieter, more unsettling intrusion — plastic dust drifting through its air. A new study by the Indian Institute of Science Education and Research (IISER) Kolkata has detected airborne microplastics over a completely uninhabited mangrove island deep inside the Sundarbans Biosphere Reserve.

Published in *Science of the Total Environment*, the study marks the first evidence of atmospheric microplastics inside a protected natural ecosystem in India. During an intensive eight-day

BLACK FIBRES, FRAGMENTS FOUND

Location of study

An uninhabited island, Chula Kathi Protection Camp.

Plastic concentration

10 ± 6 microplastic particles / 100 m³ air. Higher than most remote global sites.

Types of plastic

Fibres & fragments, mostly black, linked to burnt single-use plastic bags, fishing nets.

Ecological Risks

Deposition of plastic on leaves and soils. Disturbance of nutrient cycles. Entry into estuarine food chains.

"What we are seeing is profoundly disturbing — even the air above the Sundarbans is contaminated," said Abhinandan Ghosh, lead author of the study. "Plastic particles are now travelling through the atmosphere, reaching places once believed to

be beyond human influence." The study was carried out at an isolated site — the Chula Kathi Protection Camp (21.35°N, 88.32°E) deep within the Indian Sundarbans mangrove ecosystem. The team found that tiny fibres and fragments — many of them black — dominated the samples. These were traced to everyday materials such as single-use plastic bags, fishing nets, textile fibres and packaging waste. Using advanced Raman spectroscopy, the researchers identified industrial polymers like polypropylene (PP) and polyethylene (PE), both widely used in households and industry.

Microplastic woes, P 4

গণশক্তি

আমরা নিজেদেরই, আমাদেরই মনুষ্যের শক্তি

মাইক্রোপ্লাস্টিকের কবলে সুন্দরবন আইসার গবেষণায় উদ্বেগ

মিষ্টান্ন প্রতিদিন, কলকাতা, ১৬ অক্টোবর-মাইক্রোপ্লাস্টিকের কবলে সুন্দরবন। আইসার গবেষণায় উদ্বেগ। মাইক্রোপ্লাস্টিকের কবলে সুন্দরবন। আইসার গবেষণায় উদ্বেগ।



The Statesman

People's Parliament, Voice of India

Invisible plastic dust threatens Sundarbans mangroves, reveals study

fw THE FINANCIAL WORLD

Invisible Plastic Dust Found Floating Over the Sundarbans: IISER Study

Published Date: 29-10-2025 | 9:50 am by SUOARSHAN CHHOTRAY

Warms of Airborne Threat to Mangrove Ecosystem, The research demonstrates how the pristine air of Sundarbans are getting affected with marine and terrestrial microplastics.

KOLKATA: Even the most pristine corners of the Sundarbans are no longer untouched by plastic pollution. A recent study conducted by the Indian Institute of Science Education and Research (IISER) Kolkata, discovered airborne microplastics drifting above the protected mangrove forests — the first such evidence recorded in any of India's natural ecosystems.

The findings, now published in the international journal *Science of the Total Environment*, reveals that the air above a completely uninhabited island in the heart of the Sundarbans contains tiny plastic particles known as microplastics — invisible to the naked eye yet potentially harmful to plants, animals, and humans alike.

millenniumpost

Microplastics found in air above pristine Sunderbans island, says IISER study

BY KUNJAN KUMAR 29/10/2025 11:00 PM

Kolkata: A recent study conducted by the Indian Institute of Science Education and Research (IISER) Kolkata, discovered airborne microplastics drifting above the protected mangrove forests of Sunderbans — the first such evidence recorded in any of India's natural ecosystems.

The findings, now published in the international journal *Science of the Total Environment*, reveals that the air above a completely uninhabited island in the heart of the Sunderbans contains tiny plastic particles known as microplastics — invisible to the naked eye yet potentially harmful to plants, animals and humans alike.

The discovery which is both scientific and symbolic is a reminder that the fight against plastic pollution must not only focus on what lies beneath our feet or flows through our

Seminars, Lectures and Colloquia

[DPS Seminar] Dr. N. Kamaraju, (IISER, Kolkata) -- Manipulating Matter with Light: Ultrafast and THz Spectroscopy of Quantum Materials for Emerging Technologies, Date: Friday, Nov 07, 2025.

[DMS Topology & Geometry Seminar] Benjamin Ward (Bowling Green State University) -- An introduction to graph complexes, Date: Monday, Nov 10, 2025.

[Institute Colloquium] Prof. Scott A. Hughes (Massachusetts Institute of Technology, USA) -- Einstein's ears: The astronomy of gravitational waves
Date: Wednesday, Nov 12, 2025.

[DBS Seminar] Nilam Sanjib Banerjee (University of Alabama at Birmingham) -- Story of HPV-associated Cancers and opportunities of molecular biology in taming this beast. Date: Wednesday, Nov 12, 2025.

[DCS Visitor's Seminar] Dr. Sandip Kar (IIT Bombay) -- "Whether to Cycle or to Endocycle: Unravelling a Suffocating Cell's Dilemma", Date: Monday, Nov 17, 2025.

[DCS Visitor's Seminar] Prof. Rajakumar Balla (IIT Madras) -- "Atmospheric oxidation of VOCs using absorption and emission spectroscopic techniques"
Date: Friday, Nov 21, 2025.

[DPS Seminar] Dr. Shovan Pal (NISER Bhubaneswar) -- THz driven ultrafast processes in quantum materials
Date: Wednesday, Nov 26, 2025.

[DMS Seminar] Khyati Sharma (Research Assistant, IISER Kolkata) -- On the number of cyclic subgroups of a finite group Date: Wednesday, Nov 26, 2025.

