



9th
INDIA
BIODIVERSITY
MEET 2026

International Conference

2 - 4 February, 2026

Indian Statistical Institute, Kolkata

IBM 2026: Detailed Conference Programme

Day 1: Monday, 02nd February, 2026

Inaugural Function (Venue: Platinum Jubilee Auditorium)

	Welcome address	Dr. Suparna Mandal Biswas Head, Agricultural and Ecological Research Unit, ISI
	Inaugural address	Prof. Ayanendranath Basu Officiating Director, India Statistical Institute
10:30 – 11:45	Vote of Thanks	Dr. Shyamolina Ghosh AERU, ISI, Kolkata, Joint Secretary, IBM 2026
	Keynote address 11:00-11:45	Dr. Souvik Sen Zoological Survey of India, Kolkata, India
11:45 – 12:00	Tea break	
		Prof. Partha Pratim Majumder Emeritus Professor, Indian Statistical Institute, Kolkata
12:00 – 12:45	Plenary talk	Distinguished Professor of John C. Martin Centre for Liver Research & Innovations Talk title: Celebrating Human Diversity in India: A Legacy of Prasanta Chandra Mahalanobis

Ratan Lal Brahmachary Memorial Session (Venue: Platinum Jubilee Auditorium)

Chair: Prof. Anindya Sinha

12:45 – 12:50	Welcome address:	Secretary, RLB Memorial Foundation
12:50 – 13:00	Video presentation on the life of Prof. Ratan Lal Brahmachary	
	Invited Speaker:	Prof. Mousumi Podder Sarkar
13:00 – 13:30	Presidency University	
	Talk title:	Evolution of ‘Tiger Science’ from Khairi to Jeenat: the paradigm shift in pheromone research of big cats in India.

Lunch Break: 13:30 – 14:30

14:30 – 15:00 Wildlife Photography Exhibition (Venue: to be announced)

Students' Paper Contest (Category – Biology) (Venue: Platinum Jubilee Auditorium)

Chair: Dr. Swati Nandi Chakraborty

15:00 – 15:12 **Debaleena Samanta**

Promoter Methylation and Mutated CD36, ITGB3 and ADORA1 Enhance Ligand Affinity to Validate Drug-Target Response in Gene-Disease Association Network

15:12 – 15:24 **Jesmine Murshed**

Molecular Approach To Resolve Taxonomic Inconsistencies With Indian Fireflies of the genus *Abscondita* (Lampyridae: Luciolinae)

15:24 – 15:36 **Madhurima Dutta**

In vitro and in silico evaluation of a squalene analog from leaves of *Cocos nucifera*, L. as an antioxidant and anti-senescence bioactive compound

15:36 – 15:48 **Pritom Das**

Gall Induced Modulation of Volatile Organic Compounds in Mango Leaves and its Behavioral Impact on Resident Insect Population

15:48 – 16:00 **Rojina Khatun**

Comparative Evaluation of the Effects of Aspartame and Saccharine on the Physiological and Metabolic Responses of *Lactobacillus shirota*

16:00 – 16:12 **Saikat Karuri**

miRNA synergism impaired metabolic programming of oral cancer cells by selectively enhancing target gene specificity

Tea Break: 16:12 – 16:30

Students' Paper Contest (Category – Mathematics) (Venue: Platinum Jubilee Auditorium)

Chair: Prof. Priti Kumar Roy

16:30 – 16:42 **Arpita Biswas**

Role of predation on plant pollinator mutualistic dynamics

16:42 – 16:54 **Md. Kausar Sk.**

Anticipating critical transitions in fear-mediated mutualistic ecosystems: effects of stochasticity and early warning signals

16:54 – 17:06 **Rana Pal**

Climate, Livelihoods, and Psychological Stress in a Biodiversity Hotspot Indian Sundarban: A Mathematical Epidemiological Perspective

17:06 – 17:18 **Ritesh Kumar Bera**

How do stochastic traits influence strategy selection? An evolutionary game approach

17:18 – 17:30 **Santana Mondal**

Adaptive evolution of aposematism of a prey species subject to Shepherd's recruitment function

17:30 – 17:42 **Subir Dey**

Dynamics of a nonlocal diffusive SIR epidemic model with nonlocal infection

-- End of Day 1 --

Day 2: Tuesday, 3rd February, 2026

Parallel session 1: PS1 – B | (Venue: Soft Computing Seminar Room, 1st Floor, R.A. Fisher Bhavan)

Chair: Prof. Panchanan Pramanik

10:00 – 10:30 Invited Speaker: **Prof. Saibal Ray**

GLA University, Mathura

Talk Title: Alien; Search for Extra-terrestrial Intelligent Life.

10:30 – 10:45 **Satarupa Hazra**

Biodegradation of dye crystal violet by fungi *Aspergillus tubingensis* and preparation of bread waste media: A step towards sustainability

10:45 – 11:00 **Dr. Tanaya Das**

Decolourization Of Azo Dye and Fermentation of Whey to Organic Acid Mediated by Fungi Isolated from Natural Sources (Rotten Fruit, Medicinal Plant, Diseased Leaf): Fungi, "Biological Tool" from Ancient to Modern Era

Tea Break: 11:00 – 11:15

Parallel session 2: PS2 – B | (Venue: Soft Computing Seminar Room, 1st Floor, R.A. Fisher Bhavan)

Chair: Prof. Raghunath Chatterjee

11:15 – 11:45 Invited Speaker: **Prof. Anabha Basu**

National Institute of Biomedical Genomics (NIBMG), Kalyani

Talk Title:

11:45– 12:00 **Sayani Das**

Isolation And Characterization of Cellulase-Producing Microbial Strain from The Saline Mud-Fields of The Sundarbans Biosphere Reserve

12:00 – 12:15 **Madhurima Chakraborty**

Approaches For Designing Small Templates of Human Hemoglobin for Studying Interactions with Nanoparticles

Tea Break: 12:15 – 12:30

Parallel session 3: PS3 – B | (Venue: Soft Computing Seminar Room, 1st Floor, R.A. Fisher Bhavan)

Chair: Dr. Arup K. Mukherjee

12:30 – 13:00 Invited Speaker: **Dr. Paltu Kumar Dhal**

Jadavpur University

Talk Title: From Phosphogypsum Waste to Carbon-Negative Resources: Microbially Induced Carbonate Precipitation (MICP) for CO₂ Capture and Resources Utilization

13:00 – 13:30 Invited Speaker: **Prof. Swati Nandi Chakraborty**

Asansol Girls' College

Talk Title: Scope of Microbial Diversity within the East Kolkata Wetlands

Lunch Break: 13:30 – 14:30

Parallel session 4: PS4 – B | (Venue: Soft Computing Seminar Room, 1st Floor, R.A. Fisher Bhavan)

Chair: Dr. Pradip Bhattacharya

- 14:30 – 15:00 Invited Speaker: **Dr. Jajati Mandal**
University of Salford, Manchester, United Kingdom
Talk Title: Managing arsenic contamination in agricultural systems: from field practices to machine-learning-guided decisions
- 15:00 – 15:15 **D. Rupali**
Information Dissemination as a Catalyst for Community-Based Biodiversity Conservation: A Case Study of Sangareddy District, Telangana
- 15:15 – 15:30 **Nibedita Chakraborty**
Concordant Spatiotemporal Responses of Butterflies and Insectivorous Birds Along an Urban– Wetland Gradient
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Tea Break: 15:30 – 15:45

Parallel session 5: PS5 – B | (Venue: Soft Computing Seminar Room, 1st Floor, R.A. Fisher Bhavan)

Chair: Prof. Swati Nandi Chakraborty

- 15:45 – 16:15 Invited Speaker: **Dr. Sangram Bag**
Saha Institute of Nuclear Physics
Talk Title: Towards AI Bacteria: Genetically Engineered E.coli Networks Identifies Prime Numbers, Vowels and Answer Math Questions
- 16:15 – 16:30 **Ashwin A**
Benchmarking India's biodiversity citizen science: Comparative insights from the Asia nature challenge
- 16:30 – 16:45 **Nirmalya Shee**
Resource Partitioning Sustains Pollinator Diversity and Ecosystem Stability in The Darjeeling Himalaya
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Cultural Programme: 18:00 – 19:30 | Venue: Platinum Jubilee Auditorium

Conference Gala Dinner: 19:30 – 21:00

-- End of Day 2 --

Day 3: Wednesday, 4th February, 2026

Parallel session 6: PS6 – B | (Venue: Soft Computing Seminar Room, 1st Floor, R.A. Fisher Bhavan)

Chair: Dr. Pradip Bhattacharya

10:00 – 10:30 Invited Speaker: **Dr. Atanu Mukherjee (Online)**

Kentucky State University

Talk title:

10:30 – 11:00 Invited Speaker: **Dr. Arup K. Mukherjee**

ICAR-National Rice Research Institute, Cuttack

Talk title: Mechanical Defense against bacterial blight in rice: Role of leaf wax and volatile organic compounds

Tea Break: 11:00 – 11:15

Parallel session 7: PS7 – B | (Venue: Soft Computing Seminar Room, 1st Floor, R.A. Fisher Bhavan)

Chair: Dr. Suparna Mandal Biswas

11:15 – 11:45 Invited Speaker: **Dr. Maumita Bandyopadhyay**

University of Calcutta

Talk title:

11:45 – 12:15 Invited Speaker: **Prof. Panchanan Pramanik**

EX -Professor of IIT-Kharagpur

Talk title: Simple Chemistry for Agriculture

12:15 – 12:30 **Tea Break**

12:30 – 13:00 Invited Speaker: **Professor Sudipta Kumar Sil**

University of Gour Banga

Talk title: DUCKWEEDS AND ALGAE: NUTRACEUTICALS, ANTIMICROBIALS AND ANTIPOLLUTANTS

Lunch Break: 13:30 – 14:30

Poster Session: 14:30 – 16:00

Valedictory Session and Prize Distribution: 16:00 – 17:30 | Venue: Platinum Jubilee Auditorium

-- End of IBM 2026 --