



Two-day National Seminar

on

“Advances in Biological Research & Innovation: Emerging Trends and Breakthrough Shaping the Future”

&

Celebration of “National Science Day”

Organized by

Raiganj University

27th & 28th February, 2026

Venue

PRDM Hall
Raiganj University
Raiganj, West Bengal, 733134



Patronage

Prof. (Dr.) Dipak Kumar Roy
Hon'ble, Vice-Chancellor, Raiganj University

Convenor

Prof. (Dr.) Pradeep Kumar Das Mohapatra
Dean, Faculty of Science and Management ,
Raiganj University

Joint-Convenor

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Assistant Professor, Dept. of Sericulture
Centre-In-Charge, CeNS, Raiganj University

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Dept. of Mathematics, Raiganj University

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Dept. of Microbiology, Raiganj University

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Dr. Ayon Pal, Associate Professor, Dept. of Botany

Contact Us

For further queries or correspondence e-mail to
ID: rguseminar@gmail.com
The interested participants may contact us on
Mobile: 9593948377 / 8617027213
Registration Link:
<https://docs.google.com/forms/d/1nm-UTPeuq3aKQqkbFUQCN7qXJoKKb-FJBlmpOlhOF-w/edit>

Format of the Abstract :

- 250 to 300 words
- Font : Times New Roman Title :16
- Sub-title : 14
- Body Line spacing:1.5 In PDF format and the paper should be sent to the rguseminar@gmail.com on or before 20th February. 2026

Conference Dates and Venue

27th & 28th February, 2026
at the PRDM Hall, Raiganj University

Important Dates

Last date for submission of abstract and
Registration : 20th February , 2026

Awarding Certificate

Certificates will be awarded to the paper
presenters and participants attending all the
sessions of the Conference.

Travel

No TA/DA will be borne by the organizers.

Registration Fee

- Faculty Members : Rs.1,000
- Research Scholar's : Rs.750
- Students: Rs. 500
- NGOs and other Institutes : Rs.5,000

Account Details

- Name of the Account: Raiganj University
- Account No : 34901673834
- Name of the Bank : SBI
- IFSC Code : SBIN0000162
- Branch : Raiganj

About Raiganj University

Raiganj University, located in Raiganj, Uttar Dinajpur, West Bengal, a state aided University, was established in 2015 under the Raiganj University Act through the upgradation of Raiganj College, founded in 1948. The university now offers undergraduate, postgraduate, and doctoral programs across arts, science, commerce, management, and law. Recognized by the UGC, it plays an important role in expanding access to higher education in North Bengal, particularly for rural and economically weaker students, while gradually strengthening its academic, research, and institutional infrastructure.

Objectives of the seminar

- To examine recent breakthroughs in biological research that are transforming healthcare, agriculture, and environmental management.
- To examine recent biological innovations improving crop productivity, resilience, Water resource management and yield stability under changing climatic conditions.
- To assess the growing role of microbial systems in bioremediation, waste treatment, and sustainable industrial processes.
- To examine advances in bioinformatics and machine learning for predictive modeling, target discovery, and system-level analysis.
- To analyze innovations in enzyme engineering and biocatalysis for green chemistry and circular bioeconomy applications.
- To find out how omics technologies such as proteomics, metabolomics and genomics are changing our comprehension of intricate biological systems

About the Theme

Advances in biological research are rapidly transforming our understanding of life and disease, driven by breakthroughs in genomics, synthetic biology, and systems biology. Emerging innovations such as CRISPR-based gene editing, single-cell analysis, and artificial intelligence-guided biology are reshaping healthcare, agriculture, and environmental science. These developments are enabling precision medicine, sustainable biotechnologies, and faster responses to global challenges. Together, they are defining a future where biology is more predictive, personalized, and impactful than ever before.

About the Sub-theme

1. Frontiers in Biological Research and

2. Innovation

Emerging concepts, tools, and discoveries shaping the future of life sciences.

3. Biology for Human Health and Well-Being

Innovations in disease understanding, diagnostics, therapeutics, and preventive healthcare.

4. Sustainable Agriculture, Water resource Management, Waste water treatment and Food Systems

Biological solutions for crop improvement, food security, climate resilience, and sustainable farming.

5. Microbial, Environmental, and Industrial Biotechnology

Roles of microbes and biological processes in environmental protection, bioremediation, waste management, and green industries.

6. Computational Biology, Bioinformatics, and Data-Driven Life Sciences

Integration of big data, artificial intelligence, and modeling to decode complex biological systems.

7. Omics, Systems Biology, and Functional Biology

Advances in genomics, proteomics, metabolomics, and integrative approaches to understand biological complexity.

About Raiganj, Uttar Dinajpur

Uttar Dinajpur, in northern West Bengal, is known for its blend of heritage, culture, and natural beauty. A major historical site is the Bahin Zamindar Bari at Bahin village near Raiganj, built by Zamindar Ishwar Chandra Chowdhury on the banks of the Nagar River and declared a heritage building in 2011. Cultural attractions such as the Karnajora Museum, traditional pottery, and terracotta art reflect the district's rich cultural identity. Nature enthusiasts can explore Sap Nikla Forest in the Chopra Block, where scattered patches of Northern Tropical Moist Mixed Deciduous forest, calm lakes, and scenic surroundings provide a peaceful retreat. The district's most prominent natural attraction is the Raiganj Wildlife Sanctuary, popularly known as the Kulik Bird Sanctuary. Located near Raiganj town, it covers about 1.30 square kilometers, supports around 164 bird species, and hosts 70,000 to 80,000 migratory birds each year, making Uttar Dinajpur an inviting destination for heritage and nature tourism.

