



RBBS – 2025

International Conference

Role of Biotechnology in Biological Sciences:

Striving for a Sustainable Future

5-7 February, 2025



Organized by

Department of Zoology, Miranda House



in collaboration with

Indian Network for Soil Contamination Research (INSCR)

Jamia Hamdard

Maharishi Markandeshwar (Deemed to be University)

Sri Venkateswara College, DU

International Society for Microbial Ecology (ISME)



Sponsored by

Department of Biotechnology, Ministry of Science and

Technology, Government of India

Science and Engineering Research Board (SERB)

Anusandhan National Research Foundation (ANRF)

Premas Life Sciences Pvt. Ltd.

About the Conference

The world is focusing on Bioeconomy to promote sustainable development which is significantly dependent on advances in science, technology and innovation. Biotechnology can play a pivotal role in attaining many of the Sustainable Development Goals like genetically modified crops for better yield and quality (SDG1, SDG2); clean water accessibility and hygiene (SDG6); energy-efficient resources (SDG7); and one health (SDG3). This conference is being organized to provide a platform to eminent scientists, academicians, industrialists, entrepreneurs and students from India and abroad to discuss the latest innovations, developments and emerging trends in the vast realm of biotechnology. This will be instrumental in helping participants enrich each other with their knowledge and experience. Each day, participants will witness exemplary plenary and keynote lectures by eminent scientists and several invited talks on the thematic topics of the conference and beyond to address various global challenges, especially sustainable development, and their possible solutions. This conference will also provide an opportunity to budding scientists from both academia and industry to present oral/poster presentations and publish their research topics in abstract book.

About the College

Miranda House is top ranking college for last eight years in NIRF which affiliated with the University of Delhi with an A++ NAAC grade. The college is also privileged to receive DBT Star funding and DBT Star College Status. The college aims to provide integral and holistic education bringing transformative changes to women's education and empowerment that is aligned with NEP goals. We are also committed to provide a sustainable green and clean environment to the students. Research is the best practice of the college, all science departments and social science departments actively participate in various research activities like DSKC Summer Internship, INSPIRE camps, Research projects with extra-mural grants from DST, DBT, INSA, ISSR, UGC, ICMR, etc.

About the Department

The Department of Zoology has recently completed 50 years of its establishment. The Department boasts of having highly qualified and motivated faculty who are experts in their fields. They are recipients of various prestigious International and National awards/fellowships. The Department focuses on providing deep understanding of classical as well as advanced knowledge of the subject to their students. Research is one of the best practices carried out by the Department in the form of several in-house projects that are being run by the faculty through various extramural grants from DST, DBT, ICMR, UGC, etc. The focus areas in the Department for research are Drug Designing, Immunology, Drosophila Biology, Gut Microbiology, Bioaerosols and Nanotechnology. The Department has well-equipped laboratories for Biochemistry, Physiology, Cell Biology, Biotechnology and Immunology with high-end equipments

like RT-PCR, Biosafety facilities, Cold centrifuge, CO₂ incubator, Deep freezers, etc. The Department publishes many research papers, book chapters, popular articles and edited notes in reputed journals. The Department Society *Synapse* is involved in organizing a number of academic activities such as workshops, conferences, seminars, debates, quizzes, lecture series and educational visits, from time to time.

Objectives

- To establish a unified platform for multidisciplinary research, as well as for exploring the research, current technology, techniques and solutions in Biotechnology.
- To have worldwide insightful lecture sessions and discussions with eminent scientists and researchers from this field.
- To provide a platform to the participants for presenting their innovative research ideas and work in the form of oral presentations and poster presentations.

Outcomes

- Understanding the multidisciplinary research approach in the area of Biotechnology and its applications.
- To foster collaboration and coordination among the stakeholders for the promotion and development of newer products and methods for the Environment and human welfare.
- Enhancement of industry-academia collaborations for the start ups and incubation centers at the college or university level.
- Knowledge and understanding enhancement of faculty and students engaged with the Core Courses: Animal Biotechnology, Molecular Biology, Bioinformatics etc, DSE courses: Nanotechnology and Generic Elective Courses (GE): Animal Cell Biotechnology, Lifestyle Disorders and Food, Nutrition and Health of University of Delhi.

Themes

- Microbiology and Biotechnology: Friends with Cautions
- Biomedicine and Biotechnology: Diagnostics to Cure
- Biotechnology and Food Science: Era of Pro-, Pre- & Synbiotics
- Environmental Science and Biotechnology: Tackling Climate Change
- SDG and Biotechnology: A Step towards Sustainable Development
- Bioinformatics: Modifying Human Pathways to Environment
- Industrial Biotechnology and Entrepreneurship
- Nanotechnology
- Women in Biotechnology
- Career Opportunities in Biotechnology
- AMR: Magic Bullets Need Taming

[Registration & Abstract Submission Link](#)
(Steps of fee submission provided within the link)



[INSCR Website](#)



Important Dates

Content	Last Date
Early Bird Registration	5 October 2024
Late Registration	10 January 2025
Abstract Submission	10 January 2025

Fee Structure

Category	Early Bird	Late Registration
Students (UG & PG)	INR 1000	INR 1500
Research Scholars (M.Phil./Ph.D.)	INR 2000	INR 3000
Post Docs/Faculty/Academician	INR 3500	INR 5000
Industrialists/Entrepreneurs/Others	INR 5000	INR 8000
Foreign participants	INR 15000	INR 20000

Call for Abstract

Authors are invited to submit abstract for oral or poster presentations through registration form only on the mentioned conference themes. Abstract guidelines and template are provided in the registration link.

Best Oral Presentation Award

Best oral presentation awards will be conferred to the outstanding candidates in the categories of Faculty and Research Scholar Oral Presentations (FOP & ROP) during valedictory session of RBBS-2025. Guideline for oral presentation will be shared via email with selected participants.

Best Poster Presentation Award

Best poster presentation awards will be conferred to the outstanding candidates in the categories of Faculty, Research Scholar and UG/PG students' poster presentations during valedictory session of RBBS-2025. Guideline for oral presentation will be shared via email with selected participants. Note: Only registered participants will be provided certificate for poster presentation.

For any queries
Mobile Numbers: 9756058002
Conference Email:
iczoomh2024@mirandahouse.ac.in

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