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 Prof. Manoranjan Mishra, Head, Dept. of Geography, FMU
 Dr. Mihir Tanay Das, Coordinator, Dept. of Botany, FMU
 Mr. Karan Soren, Comptroller of Finance, FMU



ACADEMIC BLOCK-3

(P.G. DEPT. OF BIOSCIENCES & BIOTECHNOLOGY AND P.G. DEPT. OF APPLIED MICROBIOLOGY)

Tourist Places of Balasore District

Panchalingeswar Cave Shrine (30 KM), Blue lake (4 KM), Nilagiri Jagannath Temple (12KM), Bichitrapur Mangrove (100KM), Emami Jagannath Mandir (1KM), Khirachora Gopinath Temple (7 KM), Chandipur Beach (25KM) and Kuldiha Wildlife sanctuary (50 KM).

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About the University:

Fakir Mohan University, Balasore, named after prominent Odia writer Fakir Mohan Senapati, was established by the Government of Odisha under Section 32 of the Odisha Universities Act, 1989 (Act 5 of 1989) and it was notified vide the Government's Notification No. 973, dated 3rd July, 1999. It has been duly recognized by the UGC under section 2(f) of the UGC Act as well as under section 12(B). The University has been recognized by the Association of Indian Universities. The University is accredited by National Assessment & Accreditation Council (NAAC), Bangalore with "A" grade effective from 22.09.2023 and it also has a National Institutional Ranking Framework (NIRF) rank within the band 150-200 for the year 2022. At present the University is functioning in two campuses: the old campus at Januganj and the new campus at Nuapadhi at and around Balasore town.

About the Dept. of Biosciences and Biotechnology & Dept. of Applied Microbiology

The Department of Biosciences and Biotechnology started regular Post Graduate teaching programs in Biosciences and Biotechnology in the year 2004. Department of Biotechnology (DBT), Govt. of India recognized the Department in 2007 as the center for DBT-BTIS-net Bioinformatics Centre (BIF) for Structural and Computational Biology work. Under this program, the Centre imparts training to students, researchers and teachers on various aspects of Bioinformatics. Department of Science & Technology (DST), Govt. of India sanctioned funds for infrastructural development under "FIST-2008 program". Research is a core component of the academic curriculum starting with M. Sc., M.Phil. as well as Ph.D.. A wide range of research activities that addresses important biological, biomedical and biotechnological problems are being conducted. The scientific success of our department rests on its interdisciplinary research environment through close interaction of specialists from different fields. Funding for research activities are through various Govt. agencies (DST, DBT, UGC, INSA, BARC, DRDO, WWF etc.) and through International Scientific Collaborations.

Department Website: <https://fmuniversity.nic.in/biotech>

The Department of Applied Microbiology established as a self-financing Post-Graduate Department in the year 2022 to create a learning hub to promote teaching and research in the field of Microbiology. This department offers M.Sc. and Ph.D. programs in Applied Microbiology and running with ignited students, passionate researchers and dynamic faculties for contributing scientific knowledge in the field of Microbiology. It is an emerging department with ICT enabled class rooms, advanced laboratories and central instrumentation facilities for advance research. The department is committed to focus on quality education, collaborative research and scientific publications for modern scientific outputs for mankind.

How to reach F. M. University, New Campus, Balasore:

Balasore Railway Station to FMU : <https://maps.app.goo.gl/L5IPU56gUShaEVRA>

Balasore Bus Stand to FMU : <https://maps.app.goo.gl/47FAGYZsuM1NveFt9>

Bhubaneswar Airport to FMU : <https://maps.app.goo.gl/nPh4G5LokbWki4bh7>



National Conference

on

MULTI-OMICS APPROACH FOR RECENT INNOVATION IN MICROBIOLOGY AND BIOTECHNOLOGY (MOA-RIMB)

6th -7th March, 2025

Jointly organized by

P.G. Department of Biosciences and Biotechnology

&

P.G. Department of Applied Microbiology

Fakir Mohan University

Vyasa Vihar, Balasore-756089, Odisha

www.fmuniversity.nic.in

About the conference:

The field of microbiology and biotechnology has witnessed a paradigm shift with the advent of multi-omics technologies. Multi-omics refers to the integration of data from various omics disciplines, such as genomics, transcriptomics, proteomics, and metabolomics, to gain a comprehensive understanding of biological systems. This holistic approach has revolutionized research, enabling scientists to unravel complex biological processes and discover novel applications in microbiology and biotechnology. The multi-omics approach has led to several innovations in microbiology and biotechnology. By analyzing the genomes, transcriptomes, proteomes, and metabolomes of microbial communities, researchers can understand the interactions between different microbial species and their roles in ecosystem functioning. In biotechnology, multi-omics has facilitated the development of novel bioproducts and biofuels. By integrating omics data, scientists can engineer microorganisms to produce valuable compounds, such as pharmaceuticals, biofuels, and industrial enzymes. This approach has also been used to improve the efficiency of bioprocesses, leading to more sustainable and cost-effective production methods. The department of Bioscience and Biotechnology is also involved in multidimensional omics research for development of new varieties of Rice and Betel vine as well as development of molecular resources from mollusks. A departmental project on the role of insect larvae in plastic degradation is underway which involves multi-omics approaches to study gut microbiome and the insect physiology. Prospects are bright with 'omics' approaches to be applied for divulging the genetic resources paradigm of marine resources along Balasore and Bhadrak coast to support BioE3 policy of center.

Scope of the conference:

Despite its potential, the multi-omics approach faces several challenges. One major challenge is the integration and analysis of large and complex datasets. Advanced computational tools and bioinformatics methods are

Required to handle and interpret omics data effectively. Additionally, standardization of protocols and data formats is essential to ensure reproducibility and comparability across studies. Looking ahead, the multi-omics approach is poised to drive further innovations in microbiology and biotechnology. With continued advancements in omics technologies and data integration methods, researchers will be able to uncover new biological insights and develop innovative solutions to pressing global challenges. This conference will attract scholars and scientists in academic institution, research institute and industries working in the thematic areas of multi-omics providing converging platform for exchange of ideas and interaction.

Thematic areas:

Multi-omics approach applied to

- Marine & Aquaculture Biotechnology
- Bioprocess & Industrial product development
- Agriculture & Crop improvement
- Health–disease & host pathogen interaction
- Environmental sustainability & Biodiversity conservation

Submission of abstracts:

Participation is open to all Biotechnologists, Plant Scientists, Animal Scientists, Environmentalists, Research scholars and students who are working in the area under any of the thematic areas. Abstracts for oral/poster presentations should be prepared within 500 words in MS word, Times New Roman, 11 font size and 1.5 space leaving 1" margin on the left and right side of A4 size page. The title, author(s) affiliation(s) and e-mail address of all the authors, underlining the presenting author, are required to be given in the abstract. On the basis of novelty, quality and relevance to the themes of the conference the abstracts will be accepted for presentation. Abstracts should be submitted in electronic form as e-mail attachment to conferencebsbtfmu@gmail.com. The authors will be informed about the acceptance of the abstract after review by an Expert committee. Accepted abstracts will be published in the conference proceedings.

a) Oral presentation guidelines

Prepare not more than 15 slides to present the research work. Time duration for oral presentation will be limited to 12 minutes (with 3 minutes of Q & A session). PowerPoint presentation should be uploaded the day prior to your assigned session.

b) Poster presentation guidelines

Poster should be laid out in portrait format with dimensions not to exceed 4 feet (height) * 3 feet (width).

Accommodation

A good number of affordable Hotels are available in the city having boarding charges in the range of Rs. 500/- to Rs. 2500/- per day. The confirmed accommodation for the delegates/ participants can be arranged by the Organizing committee on request (Self Payment basis).

Important Dates

Last Date for submission of abstract: - **15.02.2025**

Intimation of acceptance of abstract: - **23.02.2025**

Registration Fees for Delegates

Industries	Rs. 2000.00
Academic/Research Institutions	Rs. 1000.00
Research Scholars	Rs. 500.00
Under Graduation/Post Graduation	Rs. 300.00

Last Date of Registration: - **20.02.2025**
(Registration is mandatory for all the Delegates)

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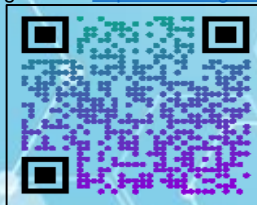


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Registration of Delegates

The delegates can register for the conference using the following Google form: <https://forms.gle/qWAuA8vwgLvvr7Cv9>



Registration forms

Correspondence:

P. G. Dept. of Biosciences & Biotechnology
Fakir Mohan University, Vyasa Vihar,
Nuapadhi, Balasore-756089, Odisha
Website: www.fmuniversity.nic.in
Email: conferencebsbtfmu@gmail.com.
Mob. No.: - 7539882790, 9437410444

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