

2nd International Conference SYMBIOT '25

(Symphony of Medicine, Biological Sciences & Omics Technologies)
&
Post-Conference Workshops

Organized by: Department of Biotechnology, IE-Bt & Manipal BioMachines
Manipal Institute of Technology, MAHE Manipal
HYBRID MODE (ONLINE & OFFLINE)

Manipal Institute of Technology (MIT) was established in 1957 as one of the first self-financing engineering colleges and is recognized as one of the top private engineering institutions in India under the constituent unit of Manipal Academy of Higher Education (MAHE). The Department of Biotechnology, MIT, Manipal was founded in the year 2005. The vision is to excel in teaching-learning process and research. The mission is to impart and disseminate knowledge, develop competencies and to produce industry-ready and academically enriched engineers for the emerging areas of applied biotechnology. The Institution of Engineers, Biotechnology (IEBt) is a premier society of Indian engineers from Manipal Institute of Technology, Manipal, which organizes technical and non-technical activities relating to different aspects of biotechnology.

Participants can register for Conference or Both Conference and Workshops

Click to Register:

<https://forms.gle/L9Xw1pZpoAJPin6V6>

(International participants can contact us for registration)

Click for Abstract Submission:

<https://forms.gle/h5m6Vejbi4Vinhs5A>

Last date for Abstract Submission: 10th Mar, 2025

Acceptance Notification: 12th Mar, 2025

Last date for Registration: 15th Mar, 2025

Website : <https://conference.manipal.edu/Symbiot/>

CHIEF PATRONS

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Dr. Ranjan Pai, President, MAHE
Dr. H. S. Ballal, Pro Chancellor, MAHE
Dr. M. D. Venkatesh, Vice-Chancellor, MAHE
Dr. Narayana Sabhahit, Pro Vice-Chancellor, MAHE
Dr. P. Giridhar Kini, Registrar, MAHE

PATRONS

Dr. Anil Rana, Director, MIT Manipal
Dr. Somashekara Bhat, Joint Director, MIT Manipal

ORGANISING COMMITTEE

Organizing Secretary: Dr. S. Balaji, HOD,
Department of Biotechnology,
MIT Manipal
Conveners: Dr. S. Md. A. Fayaz, MIT Manipal
Dr. Subbalaxmi S, MIT Manipal
Co-Conveners: Dr. Bharath Raja Guru, MIT Manipal
Dr. Ritu Raval, MIT Manipal
Dr. Divyashree M S, MIT Manipal
Mrs. Archana M Rao, MIT Manipal

IE-Bt & Manipal BioMachines COMMITTEE

Navya Subramanian Anantharaman, MIT Manipal
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Ram P Shetty, MIT Manipal
C Hita Poonacha, MIT Manipal
I A Ganit Cariappa, MIT Manipal
Kaushika Venkatraman, MIT Manipal

DATES

CONFERENCE:
19th-20th MARCH '25
WORKSHOPS:
21st-22nd MARCH '25

Best Oral/Poster Award
Outstanding Researcher Award
Best Thesis Award

AWARDS

CATEGORY		PARTICIPATION/ PRESENTATION		STUDENTS (UG/PG)	RESEARCH SCHOLARS	FACULTY	INDUSTRY
REGISTRATION FEES (Prices mentioned include GST)	NATIONAL	ONLINE	CONFERENCE	₹1200	₹2000	₹3500	₹3500
			CONFERENCE + WORKSHOP	₹1600	₹2500	₹4500	₹4500
		OFFLINE	CONFERENCE	₹1200	₹2000	₹3500	₹3500
			CONFERENCE + WORKSHOP	₹1600	₹2500	₹4500	₹4500
	INTERNATIONAL	ONLINE	CONFERENCE	\$25	\$50	\$150	\$250
			CONFERENCE + WORKSHOP	\$30	\$60	\$200	\$300
		OFFLINE	CONFERENCE	\$50	\$100	\$200	\$300
			CONFERENCE + WORKSHOP	\$60	\$110	\$250	\$400

#Accommodation will be provided based on availability and on payment basis

*Registration fees includes GST, working lunch, access to all sessions, content or workshops

*Registration fees for MAHE excludes GST

CONFIRMED SPEAKERS

Dr. Santhoshkumar Puttur

Ophthalmology Associate Research Professor,
School of Medicine, University of Missouri,
Columbia, USA



Dr. Vinayak Pachapur

Production Operations Lead, Dispersa,
Nova Scotia-Canada



Ms. Shohini Shome

Manufacturing Business Process Manager
AbCellera Vancouver, British
Columbia, Canada



Dr. Sabari Sankar Thirupathy

Assistant Professor Grade I, School of Biology,
Indian Institute of Science Education and
Research, Thiruvananthapuram, Kerala, India



Dr. Ramgopal Rao S

Senior Academic Manager,
Biocon Academy
Bengaluru, India



Dr. I. Regupathi

Department of Chemical Engineering,
National Institute of Technology
Karnataka Surathkal, India



Dr. Sunil Kumar

Associate Vice President
CADD & Informatics at Aurigene
Pharmaceutical Services Limited
Bengaluru, India



Department of Biotechnology, IE-Bt (Manipal Chapter),
Manipal Institute of Technology, MAHE Manipal &
Manipal BioMachines

Conference Tracks *(Not Limited to)*

Medicine

Biomaterials	Stem cells & Biomarkers
Tissue Engineering	Traditional Medicine
Infectious Diseases	Translational Medicine
Photoceutics	Bioethics
Phytochemicals	Pharmaceuticals

Omics Technologies

Genomics	Systems Biology
Transcriptomics	Drug design & Delivery
Proteomics	Artificial Intelligence
Metabolomics	Machine Learning
Bioinformatics	Computational Biology

Biological Sciences

Bioprocess	Molecular Biology
Biopolymers	Nanobiotechnology
Bioenergy & Biofuels	Microfluidics
Bioremediation	Green Chemistry
Bio/Nano Sensors	Food & Agriculture

SKILL DEVELOPMENT WORKSHOPS

**TRACK 1:
COMPUTATIONAL TOOLS
FOR SYNTHETIC BIOLOGY
(CTSB)**

- Genetic circuits
- Synthetic microbes
- Promoter Engineering
- Transcriptional regulation
- Hands-on: Promoter Engineering, CRISPR design, siRNA design

**TRACK 2:
WORKSHOP ON HPLC
AND GC**

- Introduction and Principle of Working of High-Performance Liquid Chromatography (HPLC) and Gas Chromatography (GC).
- Demonstration of HPLC and GC with samples.
- Working principles of HPLC and GC.
- Loading the samples.
- Analysis of chromatographic output to determine the concentration of unknown samples.

**MODE
HYBRID
ONLINE
&
OFFLINE**

Workshops will be conducted as parallel tracks. Participants can register for any one of the tracks.

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