



MPCON 2025

Manipal Pharmaceutical
Conference

29th and 30th August 2025

Preconference Workshop

Thursday, 28th August 2025

- **Registration & Breakfast:** 8:30 AM -9:30 AM
Venue: MMMC Building (next to MCOPS building), First floor lounge
- **Workshop Inauguration** (Common for all streams): 9.30 AM – 10.00 AM
Venue: Professor P. Gundu Rao Conference Hall, Ground Floor, MCOPS
- Disbursement of Batches to workshop locations: 10:00 AM -10:30 AM
- Workshop session I: 10:30 AM-12:30 PM
- Lunch: 1:00 PM -2:00 PM (Venue: NIH Food court)
- Workshop session II: 2:00 PM - 4:30 PM

Stream 1: AI in Drug Discovery and Development

Venue: Room No. 230, Department of Pharmaceutical Chemistry, MCOPS, Manipal
Faculty Coordinator: Dr Suvarna G Kini (9880713601)

Resource Persons: Dr Vinod Devaraj, Senior Scientist II, Schrodinger, Bangalore
Dr Dileep Kumar, Department of Pharmaceutical Chemistry, MCOPS

10:30 AM– 11:00 AM	Smart Design of Anti-Breast Cancer Agents: AI Meets SAR for Molecular Innovation
11:00 AM – 01:00 PM	Accelerating Drug Discovery through AI-Integrated Physics-Based Modeling-Part I
01.00 PM – 02.00 PM	Lunch
02:00 PM – 04:00 PM	Accelerating Drug Discovery through AI-Integrated Physics-Based Modeling-Part II Hands-on training (Participants are suggested to bring their laptops)
04:00 PM – 04:30 PM	Discussion, Feedback, Certificate distribution, Valedictory

Stream 2: Application of DoE in Pharmaceutical Development

Venue: Room No. 27, Department of Pharmaceutics, MCOPS, Manipal
Faculty Coordinator: Dr Usha Y Nayak (9449207925)

10:30 AM – 11:00 AM	Quality by Design and Introduction to Design of Experiments
11:00 AM – 01:00 PM	DoE; Screening designs and response surface methods
01.00 PM – 02.00 PM	Lunch
02:00 PM – 04:00 PM	Hands-on training (Participants are suggested to bring their laptops)
4:00 – 4:30 PM	Discussion, Feedback, Certificate distribution, Valedictory



MPCON 2025

Manipal Pharmaceutical
Conference

29th and 30th August 2025

Stream 3: Analytical Applications in Drug Discovery & Drug Delivery

Venue: Room No. 233, Department of Pharmaceutical Quality Assurance, MCOPS, Manipal

Faculty Coordinator: Dr Muddukrishna (8660414773) and Dr. Sachin Pawar (7020268132)

Resource Person: Dr Gurubasavaraj HM, Principal Technical Support Specialist, Southern Region Waters India

10.30 AM – 11.45 AM	Oral session
11.45 AM – 01.00 PM	Basic handling of the instrument, simple analytical method development on UPLC
01.00 PM – 02.00 PM	Lunch
02.00 PM – 04.30 PM	Troubleshooting, maintenance, and applications of UPLC in drug discovery and delivery
4.30 PM – 05.00 PM	Discussion, Feedback, Certificate distribution, Valedictory

Stream 4: Polymerase Chain Reaction and its Applications

Venue: Room No. 122, Department of Pharmaceutical Biotechnology, MCOPS, Manipal

Faculty Coordinator: Dr Jesil Mathew (9342405959)

10:30 AM – 11:45 AM	Oral session
11:45 AM – 01.00 PM	Practical on Primer Designing (Participants are suggested to bring their laptops)
01:00 PM – 02:00 PM	Lunch
02:00 PM – 04:00 PM	Hands-on- PCR, Agarose Gel Electrophoresis, Data Analysis, Troubleshooting
04:30 PM – 05:00 PM	Discussion, Feedback, Certificate distribution, Valedictory

Stream 5: Research Manuscript Preparation and Journal Selection

Venue: Room No. 109, Shanbhag Seminar Hall, Department of Pharmacology, MCOPS, Manipal

Faculty Coordinator: Dr Yogendra Nayak (9448154003)

10:30 AM – 11:30 AM	Manuscript Making
11:30 AM – 01.00 PM	Managing References (Participants are suggested to bring their laptops)
01:00 PM – 02:00 PM	Lunch
02:00 PM – 02:30 PM	Journal Selection Tool
02:30 PM – 03:00 PM	Use of AI in Manuscript Writing
03:30 PM – 04:30 PM	Publication Ethics
4:30 – 5:00 PM	Discussion, Feedback, Certificate distribution, Valedictory