



## MPCON 2025

Manipal Pharmaceutical  
Conference

29<sup>th</sup> and 30<sup>th</sup> August 2025

### Preconference Workshop

Thursday, 28<sup>th</sup> August 2025

**Venue: Professor P Gundu Rao Conference Hall, Ground Floor, Manipal college of  
Pharmaceutical Sciences (MCOPS), MAHE, Manipal**

**Coordinator: Dr D Sreedhar (+91 9900688477)**

Volunteers: Research Scholars, Department of Pharmaceutical Regulatory Affairs and Management

Time	Program
8.30 – 9.30 AM	Registration & Breakfast
9.30 – 10.00 AM	Inauguration (for all workshops)
10.00 – 10.30 AM	Tea break & disbursement of batches

#### Stream 1: AI in Drug Discovery and Development

Venue: PG Classroom, Department of Pharmaceutical Chemistry, MCOPS, Manipal

**Coordinator: Dr Aravinda Pai (+91 98459 95895)**

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 ( <b>Participants are suggested to bring their laptops</b> )
04:00 PM – 04:30 PM	Discussion, Feedback, Certificate distribution, Valedictory

#### Stream 2: Application of DoE in Pharmaceutical Development

Venue: PG Classroom, Department of Pharmaceutics, MCOPS, Manipal

**Coordinator: Dr Usha Y Nayak (+91 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 ( <b>Participants are suggested to bring their laptops</b> )
4:00 – 4:30 PM	Discussion, Feedback, Certificate distribution, Valedictory



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### **Stream 3: Analytical Applications in Drug Discovery & Drug Delivery**

Venue: PG Classroom, Department of Pharmaceutical Quality Assurance, MCOPS, Manipal  
**Coordinator: Dr Sachin D Pawar (+91 70202 68132)**

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: PG Classroom, Department of Pharmaceutical Biotechnology, MCOPS, Manipal  
**Coordinator: Dr Jesil Mathew (+91 9342405959)**

10:30 AM – 11:45 AM	Oral session
11:45 AM – 01.00 PM	Practical on Primer Designing ( <b>Participants are suggested to bring their laptops</b> )
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: PG Classroom, Department of Pharmacology, MCOPS, Manipal  
**Coordinator: Dr Yogendra Nayak (+91 9448154003)**

10:30 AM – 11:30 AM	Manuscript Making
11:30 AM – 01.00 PM	Managing References ( <b>Participants are suggested to bring their laptops</b> )
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