

# **ALGAL METABOLOMICS '2024**



**New Delhi, India  
25-31 March 2024**

## **PRELIMINARY PROGRAMME**

### **DAY 1:**

**25<sup>th</sup> March 2024, MONDAY**

<b>9:00 AM - 9:30 AM:</b>	<b>Registration</b>
<b>9:30 AM - 10:30 AM:</b>	<b>Welcome address by the organiser Inauguration of the workshop by the Director (ICGEB)</b>
<b>10:30 AM - 11:00 AM:</b>	<b>HIGH TEA</b>
<b>11:00 AM - 12:30 PM:</b>	<b>Plenary talk and interactive session with experts</b>
<b>12:30 PM - 01:30 PM:</b>	<b>LUNCH</b>
<b>01:30 PM - 02:30 PM:</b>	<b>Practical Course (Laboratory Session - 1) Introduction and experimental design</b>
<b>02:30 PM - 06:30 PM:</b>	<b>Culturing of algal strains Instrumentation Growth profiling (Cell count, OD) Experimental procedure for day 2</b>
<b>07:30 PM - 08:30 PM:</b>	<b>DINNER</b>

### **DAY 2:**

**26<sup>th</sup> March 2024, TUESDAY**

<b>9:00 AM - 10:30 AM:</b>	<b>Plenary talk and interactive session with experts</b>
<b>10:30 AM - 11:00 AM:</b>	<b>TEA BREAK</b>
<b>11:00 AM - 12:30 PM:</b>	<b>Practical Course (Laboratory Session - 2) Introduction and experimental design</b>
<b>12:30 PM - 01:30 PM:</b>	<b>LUNCH</b>
<b>01:30 PM - 06:30 PM:</b>	<b>Practical Course (Laboratory Session - 2) Biochemical assays Quantifications of Lipids by GC-MS Experimental procedure for day 3</b>
<b>07:30 PM - 08:30 PM:</b>	<b>DINNER</b>

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## **PRELIMINARY PROGRAMME**

### **DAY 3:**

**27<sup>th</sup> March 2024, WEDNESDAY**

<b>9:00 AM - 10:30 AM:</b>	<b>Plenary talk and interactive session with experts</b>
<b>10:30 AM - 11:00 AM:</b>	<b>TEA</b>
<b>11:00 AM - 12:30 PM:</b>	<b>Practical Course (Laboratory Session - 3) Metabolomics - Experimental design (GC-MS)</b>
<b>12:30 PM - 01:30 PM:</b>	<b>LUNCH</b>
<b>01:30 PM - 06:30 PM:</b>	<b>Practical Course (Laboratory Session - 3) Derivatization of metabolites Identification &amp; mapping of metabolites Experimental procedure for day 4</b>
<b>07:30 PM - 08:30 PM:</b>	<b>DINNER</b>

### **DAY 4:**

**28<sup>th</sup> March 2024, THURSDAY**

<b>9:00 AM - 10:30 AM:</b>	<b>Plenary talk and interactive session with</b>
<b>10:30 AM - 11:00 AM:</b>	<b>TEA</b>
<b>11:00 AM - 12:30 PM:</b>	<b>Practical Course (Laboratory Session - 4) Metabolomics - Experimental design (LC-MS)</b>
<b>12:30 PM - 01:30 PM:</b>	<b>LUNCH</b>
<b>01:30 PM - 06:30 PM:</b>	<b>Practical Course (Laboratory Session - 4) Extraction of metabolites Identification &amp; mapping of metabolites Experimental procedure for day 5</b>
<b>07:30 PM - 08:30 PM:</b>	<b>DINNER</b>

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## PRELIMINARY PROGRAMME

### DAY 5:

29<sup>th</sup> March 2024, FRIDAY

9:00 AM - 10:30 AM:	Plenary talk and interactive session with experts
10:30 AM - 11:00 AM:	TEA
11:00 AM - 12:30 PM:	Practical Course (Laboratory Session - 5) Metabolomics - <i>In silico</i> analysis
12:30 PM - 01:30 PM:	LUNCH
01:30 PM - 06:30 PM:	Practical Course (Laboratory Session - 5) MetaboAnalyst, a comprehensive platform for data analysis, interpretation and visualization Experimental procedure for day 6
07:30 PM - 09:30 PM:	GALA DINNER

### DAY 6:

30<sup>th</sup> March 2024, SATURDAY

9:00 AM - 10:30 AM:	Plenary talk and interactive session with experts
10:30 AM - 11:00 AM:	TEA BREAK
11:00 AM - 12:30 PM:	Practical Course (Laboratory Session - 6) Metabolomics - <i>In silico</i> analysis
12:30 PM - 01:30 PM:	LUNCH
01:30 PM - 06:30 PM:	Practical Course (Laboratory Session - 6)
07:30 PM - 08:30 PM:	DINNER

### DAY 7:

31<sup>st</sup> March 2024, SUNDAY

9:00 AM - 10:30 AM:	Research presentations by participants
10:30 AM - 11:00 AM:	TEA BREAK
11:00 AM - 01:30 PM:	Continue...research presentations by participants
01:30 PM - 02:30 PM:	LUNCH
02:30 PM - 04:00 PM:	Distribution of certificates / Feedback session
04:00 PM - 05:30 PM:	Concluding remarks and vote of thanks by organiser