



## BRIC National Agri-Food and Biomanufacturing Institute (BRIC NABI)

(Formerly DBT- Center of Innovative and Applied Bioprocessing, Mohali)

### Hands-on-Training on Advanced Spectroscopic/ Spectrometric Techniques (LC-MS & GC-MS/Py-GC-MS)

**9-13<sup>th</sup> December 2024**

Central Instrumentation Facility (CIF) at NABI, Mohali, has been extending its services to researchers for 12 years, and it was established by the Department of Biotechnology (DBT), Ministry of Science and Technology in 2012. Our facility helps develop the analytical skills of scientists, research personnel, and students engaged in R&D activities. We also offer training programs on science and technology advancements to wide users across India.

#### Overview of the training program

The training program covers the basics of chromatography with mass spectrometry and also performs experiments and hands-on training on LC-MS (UPLC-MS/HPLC-MS) and GC-MS (Pyrolysis GC-MS) to enable users to separate, identify, characterize and quantify the mixture of analytes. This training course also includes familiarizing the software and hardware of the components of the equipment. **The users will get the benefit of learning data interpretation during training and a certificate of participation.**

#### Scope of the training program

- Principles of chromatography and mass spectrometry technique.
- Salient features of method development.
- Hardware component and software familiarization.
- Sample preparation, batch setup and data processing.
- Data interpretation.
- Hands-on training on state-of-art LC-MS and GC-MS (independent instrument handling).
- Discussion and certificate distribution.

#### Registration Fee for Workshop:

SN.	Equipment Name	Charges (INR)/students
1	LC-MS	₹ 10,000 +18% GST
2	GC-MS	₹ 10,000 +18% GST
3	LC-MS and GC-MS (Combo Offer)	₹ 15,000 +18% GST

**\* Note: The training fee excludes the accommodation charges**

**\* Only lunch will be provided for all five days**

## Criteria and Eligibility of Training Program

- **Educational Qualification:** B.Sc/B.Tech/M.Sc/M.Tech/PhD degree holders and perusing candidates may participate in the training program.
- Since seats are limited, the selection criteria of the participants will be purely on a **first-come, first-serve basis** with the fulfilment of the above eligibility conditions.

## **General Conditions:**

- Interested candidates must fill out the registration form by 1-12-2024 via the Google form link: [https://docs.google.com/forms/d/e/1FAIpQLSeZGcCZwXvZdXe9u2IzHfwLVa4LBvPtzJ3exKTJzRAvmhEqdA/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLSeZGcCZwXvZdXe9u2IzHfwLVa4LBvPtzJ3exKTJzRAvmhEqdA/viewform?usp=pp_url)) or send your request to [umesh@ciab.res.in](mailto:umesh@ciab.res.in) mentioning the equipment name on which they seek training.
- In addition, the STUDENT RESEARCH SCHOLAR may need to submit the **NO OBJECTION CERTIFICATE and DECLARATION (formats available in the same document at the end)** by 1-12-2024 via email.
- Eligible candidates, after screening, will be informed by 3-12-2024.
- Only eligible candidates, after receiving the confirmation from NABI, Mohali should deposit the fees within 8-12-2024 (payment confirmation should be shared with [umesh@ciab.res.in](mailto:umesh@ciab.res.in)).
- Training will be held from **9-12-2024 to 13-12-2024**.
- The money, once paid, will not be returned if the candidate wishes to withdraw his/her application once they attend the training program.
- BRIC NABI also provides accommodation on a paid basis at ₹900/- per day, subject to the availability of rooms.

## **Payment details:**

By online payment as per bank details provided below:

**Beneficiary Name: Center of Innovative and Applied Bioprocessing**

**A/c No. : 32618124859**

**Bank Name: State Bank of India, Phase 1, Mohali**

**Branch Code: 1828**

**IFSC Code: SBIN0001828**

**MICR Code: 160002023**

**GST No. in r/o CIAB is 03AABAB8297N1ZC**



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**NO OBJECTION CERTIFICATE**

The applicant Prof. /Dr./ Mr. /Ms. \_\_\_\_\_  
from our institution will be permitted to attend the “Hands-on Training on LC-MS/GC-MS” to be held from  
09-13<sup>th</sup> December 2024 at the BRIC National Agri-Food and Biomanufacturing Institute (BRIC NABI), if  
selected for the same.

Place:

Signature

Date:

(Head of the Institution with seal)

**DECLARATION BY THE CANDIDATE**

I agree to abide by the rules of the **BRIC National Agri-Food and Biomanufacturing Institute (BRIC NABI)**, Mohali. If selected, I shall participate in the course for the entire duration.

Date:

Place:

Signature by the Candidate

(Scanned copy should be submitted in advance through email to [umesh@ciab.res.in](mailto:umesh@ciab.res.in))