



**National Workshop on
“Small Molecule Analysis by NMR Spectroscopy & Mass
Spectrometry”
06th - 08th October, 2021**



**Sophisticated Analytical Instrument Facility (SAIF)
CSIR-Central Drug Research Institute, Lucknow**



**Supported by
Department of Science & Technology
CSIR Integrated Skill Initiative**

Sophisticated Analytical Instrument Facility (SAIF) at CSIR-Central Drug Research Institute, Lucknow has been providing analytical services for the last 46 years and is one of the first four such facilities set up by the **Department of Science & Technology (DST)**, Government of India in mid seventies. The concept of the SAIF at Central Drug Research Institute evolved around the regional needs of scientists and research personnel engaged in the research area of chemical and biological sciences. The sophisticated instruments at the centre have been updated from time to time, keeping pace with the advancement of science & technology and the requirements of the users.

Objective of Workshop

The proposed workshop will provide an opportunity to experience the state-of-the-art NMR, LC-MS and LC-MS/MS techniques and initiate lively discussion among research scientists, academicians and young researchers to share their knowledge in the frontier areas of chemical sciences. The beginners will get a chance to familiarize themselves with NMR and LC-MS techniques and gain confidence by observing their applications and data interpretation as done in real situation. This Workshop will focus on the structure characterization of small molecules using NMR, LC-MS and MS/MS techniques. **Total number of participants will be 15 only and decided on the basis of their area of interest and first come first serve.**

Topics to be covered

Basics of NMR Spectroscopy and Mass Spectrometry
Basic Instrumentation of NMR and MS
Applications of 1D and 2D NMR, LC-MS and LC-MS/MS techniques and their data interpretation
Demonstration on instrument (Lab. session) followed by discussion

Registration fee for Workshop

	Up to 20 th Sept. INR	Up to 30 th Sept. INR
Private Organizations & Industry	15000	16000
Academic faculty	8000	9000
Students	5000	6000

Details for Registration Fee Online Payment*

Name of A/C Holder: Director CDRI, Lucknow

Account number: 30269374557

Name of Bank: State Bank of India, **Branch:** CDRI, **IFSC code:** SBIN0010174

Place: Lucknow 226031

Venue

CSIR-Central Drug Research Institute, Jankipuram Extension, Sitapur Road, Lucknow-226031 (U.P.), India.

Lucknow

A sprawling historical city on the bank of river Gomti, Lucknow is the capital of Uttar Pradesh. A beautiful city of garden, renowned for its Nawabi culture, shades of which still remain, it is now more famous for its chikan garments, dussheri mangoes, Awadhi cuisines and also for a large number of Scientific Institutions.

Accommodation

Guest House/Hotel accommodation in Lucknow is available in the range of Rs. 500/- to Rs. 10000/- per day. We will try to provide accommodation in CDRI GH (if available) on payment @ Rs. 300/- per person per day from 5th to 9th October, 2021.

For any other information, please contact

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SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY

CSIR-Central Drug Research Institute, Lucknow



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Registration Form

Name:

Date of birth: Gender: M/F.....

Designation:E-mail:

Educational Qualification:

Department/Institute:

Address for Communication:

Area of interest (R&D):

Accommodation: **Required/Not required**

Have you been vaccinated against COVID 19: **Yes/No**

If Yes, how many doses have you taken:

- a) Only 1st dose, Date.....
- b) 1st and 2nd both, Date..... Date.....

Signature of the Candidate

Signature of Head/Supervisor

Scanned copy of duly filled form send to cdrinmr2016@gmail.com ; skshukla@cdri.res.in, and **after confirmation** from our side pay the Registration Fee Online as per details provided in the Registration Fee section*