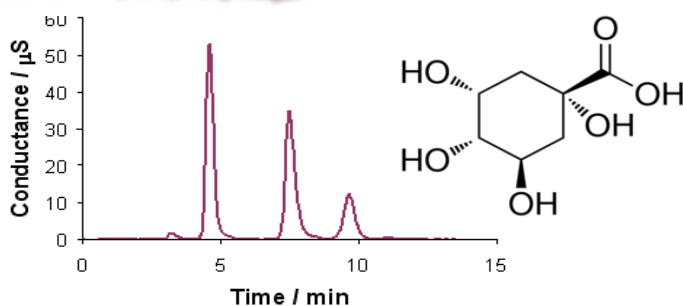
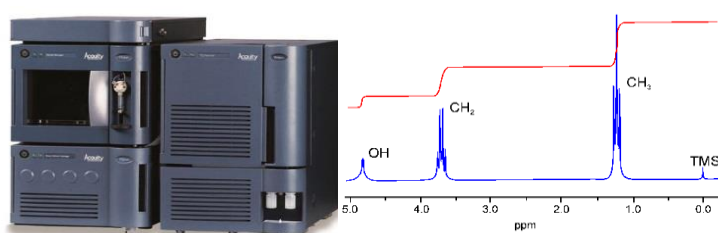




**National Workshop on  
“Small Molecule Analysis by API-Mass Spectrometry  
&  
NMR Spectroscopy”  
21<sup>st</sup> – 23<sup>rd</sup> February, 2018**



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



**Supported by  
Department of Science & Technology  
(Govt. of India)**

Sophisticated Analytical Instrument Facility (SAIF) at CSIR-Central Drug Research Institute, Lucknow has been providing analytical services for the last 42 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 CSIR-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 LC-MS, LC-MS/MS and NMR 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 LC-MS and NMR 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 LC-MS, MS/MS and NMR techniques. **Total number of participants will be 20 only and decided on the basis of their area of interest and first come first serve.**

### Topics to be covered

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

### Registration fee for Workshop

	Up to 10 <sup>th</sup> Feb. INR	Up to 15 <sup>th</sup> Feb. INR
Private Organizations & Industry	16000	17000
Academic faculty	9000	10000
Students	6000	7000

Bank Draft should be drawn in favour of “**Director, Central Drug Research Institute, Lucknow**” payable at Lucknow. Complete registration form along with DD should be sent at correspondence address.

### **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 20<sup>th</sup> to 23<sup>rd</sup> February 2018. [Contact: Mr Sunil Arnold Singh \(09451108095\) & Mr D. N. Vishwakarma \(09415797559\)](mailto:Mr.Sunil.Arnold.Singh@cdri.res.in)

### **Correspondence:**

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Phone- 522-2772550, Ext. 4510  
E-mail: [Sanjeev\\_kanojiya@cdri.res.in](mailto:Sanjeev_kanojiya@cdri.res.in)

### **For any other information, please contact**

#### **Dr. Sanjeev K. Shukla**

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E-mail: [skshukla@cdri.res.in](mailto:skshukla@cdri.res.in)  
Phone- 522-2772550, Ext. 4513



# SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY

CSIR-Central Drug Research Institute, Lucknow



## National Workshop on “Small Molecule Analysis by API-Mass Spectrometry & NMR Spectroscopy”

21<sup>st</sup> - 23<sup>rd</sup> February 2018

### 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** .....

Mobile: .....

Payment details:

Amount Rs.: ..... DD No.: ..... Date: .....

Bank: .....

Signature of the Candidate

Signature of Head/Supervisor

Scanned copy of dully filled form with DD send to [cdrimass@gmail.com](mailto:cdrimass@gmail.com); [saif\\_cdri@cdri.res.in](mailto:saif_cdri@cdri.res.in)