



**National Workshop on  
“Small Molecule Analysis by NMR Spectroscopy & Mass  
Spectrometry”  
21<sup>st</sup>–23<sup>rd</sup> September, 2016**



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



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

## 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 20 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 quiz and discussion

## Registration fee for Workshop

	Up to 25 <sup>th</sup> Aug. INR	Up to 5 <sup>th</sup> Sept. INR	Up to 15 <sup>th</sup> Sept. INR
Private Organizations & Industry	11000	11500	12000
Academic Faculty	7000	7500	8000
Students	5000	5500	6000

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.

**Accommodation**

Guest House/Hotel accommodation in Lucknow is available in the range of Rs. 500/- to Rs. 10000/- per day.

For any other information, please contact: [Dr. H. M. Gauniyal](#), Mob.: 9415514529

**Correspondence:**

All correspondence should be addressed to:

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# SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY

CSIR-Central Drug Research Institute, Lucknow



## National Workshop on “Small Molecule Analysis by NMR Spectroscopy & Mass Spectrometry” 21<sup>st</sup> -23<sup>rd</sup> September, 2016

### 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 [cdrinmr2016@gmail.com](mailto:cdrinmr2016@gmail.com) ; [skshukla@cdri.res.in](mailto:skshukla@cdri.res.in)