



## NATIONAL WORKSHOP ON



### “HPLC Basics and Method Development”

18<sup>TH</sup> – 19<sup>TH</sup> JUNE-2018

**SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY (SAIF),  
CSIR-CENTRAL DRUG RESEARCH INSTITUTE, LUCKNOW**



**SPONSORED BY  
DEPARTMENT OF SCIENCE & TECHNOLOGY  
GOVT. OF INDIA**



Sophisticated Analytical Instrument facility (formerly known as Regional Sophisticated Instrumentation Centre - RSIC) at Central Drug Research Institute (CSIR), Lucknow has been providing excellent analytical service for the last 44 years and is one of the first four such facilities set up by the **Department of Science & Technology (DST)**, Government of India in 1973-74. The concept of the SAIF at Central Drug Research Institute evolved around the regional needs of scientists, research personnel and students engaged in research in the chemical and biological sciences. The sophisticated instruments at the center have been updated from time to time, keeping pace with the advancement of science and technology and the requirements of the users.

### **Objective of Workshop**

This proposed workshop is aimed to cover basics of high performance liquid chromatography (HPLC) to enable users to separate, identify and quantify chemicals as well as molecules in a mixture (crude extract). The participants will benefit from this workshop in improving their understanding of the techniques and its applications in research activity. All the participants will be able to watch the HPLC experiments and method development. Instrument handling can be allowed in groups. The workshop includes both lectures (30% time) and laboratory sessions (70% time).

### **Topics to be covered**

1. HPLC Basics and Instrumentation
2. Method Development Strategies and Applications
3. On-site Training
4. Lab Visit, Discussion and Certificate Distribution

### **Accommodation/Transportation**

We will provide accommodation in Guest House (if available) on payment @ 300 per person per day from 17<sup>th</sup> – 19<sup>th</sup> June 2018. **NO PICK and DROP service from Railway station or Airport.**

### **Lucknow**

A sprawling historical city on the bank of river Gomti, Lucknow is the capital of Uttar Pradesh. A beautiful city of gardens, 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.

Last Date for receipt of Application with DD is 11<sup>th</sup> June 2018.

A late payment of 500.00 from students and 1000.00 from others will be charged extra till 18<sup>th</sup> June 2018, if seats are available.

### Registration fee for the HPLC Workshop

Private Organizations & Industry	Rs. 12,000.00
Academic faculty	Rs. 8,000.00
Students	Rs. 4,000.00

Participants from Organic Chemistry/Natural Products/Biotechnology/Pharmacy/Biochemistry can apply.

Note: Only for the participants willing to join Workshop and/or Seminar also

1. All the participants willing to join seminar on “Applications of HPLC and LC-MS/MS in Drug Research” going to be held on 20th June 2018 at CSIR CDRI have to pay 1000.00 more only.
2. All those willing to join all (HPLC workshop followed by seminar and LC-MS workshop from 18<sup>th</sup> to 23<sup>rd</sup> June 2018) have to pay only 10,000.00 for students, 20,000.00 for Academic faculty and 30,000.00 for Industry participants.

### Payments

Bank Draft should be drawn in favour of **Director, Central Drug Research Institute, Lucknow payable at Lucknow.**

### Venue

SEN-F1 (Special Equipment Building)  
Central Drug Research Institute,  
B.S. 10/1 Sector-10  
Janakipuram Extension, Sitapur Road, Lucknow-226031 (U.P.)  
For any other information, please contact Organizing Secretary

### Correspondence:

All correspondence should be addressed to:

Dr. Brijesh Kumar  
Senior Principal Scientist  
(Organizing Secretary),  
SEN-F1 (Special Equipment Building),  
Mass Lab, SAIF Division,  
CSIR-Central Drug Research Institute,  
B.S. 10/1 Sector-10  
Janakipuram Extension, Sitapur Road,  
Lucknow 226031 U. P. India  
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SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY  
CSIR-Central Drug Research Institute, Lucknow

Workshop on  
**“HPLC Basics and Method Development”**

18<sup>th</sup> to 19<sup>th</sup> June 2018

**Only 20 seats**  
Selection criterion: First cum first served

**Registration form**

Name: .....

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

Designation: ..... E-mail: .....

Educational Qualification: .....

Department/Institute: .....

Address for Communication: .....

.....

Accommodation **required/not required** .....

Mobile: .....

Payment details:

Amount Rs:

DD No.:

Date:

Bank:

Signature of the candidate

Signature of head/supervisor

Completed and signed form with DD can be scanned and e-mailed to: [seminar\\_mass@yahoo.co.in](mailto:seminar_mass@yahoo.co.in)  
and [brijesh\\_kumar@cdri.res.in](mailto:brijesh_kumar@cdri.res.in), followed by speed post to confirm your seat.

**Payment Details**

DD/No. ....Dated.....For INR.....in favour of  
Director, Central Drug Research Institute, Luknow, payable at Lucknow, as registration fee.

Signature



**SOPHISTICATED ANALYTICAL INSTRUMENT FACILITY**  
CSIR-Central Drug Research Institute, Lucknow

**Combined Seminar and Workshop on HPLC and LC-MS/MS**

18<sup>th</sup> to 23<sup>rd</sup> June 2018

**Only 10 seats (Selection criterion: First cum first served)**

**Registration form**

Name: .....

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

Designation: ..... E-mail: .....

Educational Qualification: .....

Department/Institute: .....

Address for Communication: .....

.....

Accommodation **required/not required** .....

Mobile: .....

Payment details:

Amount Rs:

DD No.:

Date:

Bank:

Signature of the candidate

Signature of head/supervisor

Completed and signed form with DD can be scanned and e-mailed to: [seminar\\_mass@yahoo.co.in](mailto:seminar_mass@yahoo.co.in) and [brijesh\\_kumar@cdri.res.in](mailto:brijesh_kumar@cdri.res.in), followed by speed post to confirm your seat.

**Payment Details**

DD/No. ....Dated.....For INR.....in favour of  
Director, Central Drug Research Institute, Luknow, payable at Lucknow, as registration fee.

Signature

Note:

All those willing to join all (HPLC workshop, Seminar and LCMS workshop) have to pay only 10,000.00 for students, 20,000.00 for Academic faculty and 30,000.00 for Industry participants.