



NATIONAL WORKSHOP ON

“Identification and Characterization of Phytochemicals using HRMS Instruments”

27TH – 29TH NOVEMBER-2017

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



SPONSORED BY

DEPARTMENT OF SCIENCE & TECHNOLOGY
GOVT. OF INDIA



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Director
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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 42 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 centre 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 liquid chromatography (LC) followed by High resolution mass spectrometry (HRMS). UPLC-HRMSⁿ enables users to separate, identify and characterize pure molecules as well as molecules in a mixture. The participants will benefit from this workshop in improving their understanding of the techniques and their applications in research activity. This will also help them to assess their molecules for the right type of analysis and to interpret the data for successful identification. All the participants will be able to watch the HPLC/UPLC-HRMS, MS/MS and MSⁿ experiments on various instruments, such as Q TOF MS/MS, Orbitrap MSⁿ and Q Trap UPLCMS and participate in the analysis of data and interpretation of the results along with the experts. The workshop includes both lectures and laboratory sessions.

Topics to be covered

1. Mass Spectrometry Basics
2. LC-MS/MS – Instrumentation and Applications
3. **On-site application training on Mass instruments**
4. Lab visit and discussion

Accommodation/ Transportation

We will provide accommodation in GH (if available) on payment @ 500 per person per day from 26th November – 30th November 2017. **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

16th October 2017. A late payment of 1000.00 from students and 2000.00 from others will be charged extra till 17th November 2017, if seats are available.

Registration fee for the Workshop

Private Organizations & Industry	Rs 18000.00
Academic faculty	Rs 12000.00
Students	Rs 6000.00

Participants from Chemical Sciences/Natural Products/Biotechnology/Botany/Pharmacy are allowed to participate in the workshop.

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:

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

Workshop on
“Identification and Characterization of Phytochemicals using HRMS Instruments”

27th to 29th November- 2017

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 can be scanned and e- mailed to: brijesh_kumar@cdri.res.in
seminar_mass@yahoo.co.in

Payment Details

I am enclosing/have sent a DD/ No. Dated..... For
INR..... in favour of Director, Central Drug Research Institute, Lucknow, payable at
Lucknow, as registration fees.

Signature

6520 Quadrupole Time of Flight (Q-TOF) Mass Spectrometer

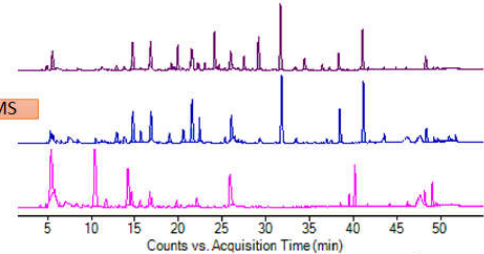
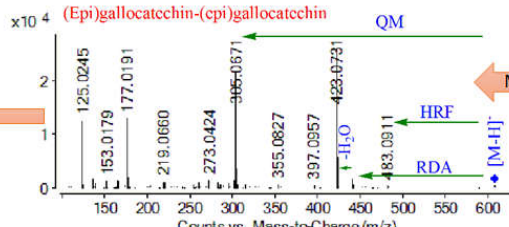
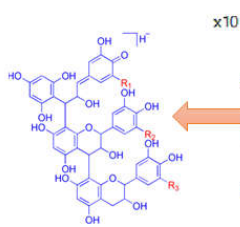


Ethanollic Extracts



BPC

Some herbal formulations related to Terminalia spp



Identification of compounds

-ESI MS/MS spectra of (Epi)gallocatechin-(epi)gallocatechin

Base Peak Chromatograms of T. arjuna plant part

Ultra High Performance Liquid Chromatography Orbitrap Velos Pro Mass Spectrometer

