

About the Workshop

Isolation of pure components from mixtures or natural sources is important in chemical, pharmaceutical and food industry. Apart from this testing laboratories generally tend to identify for extremely small amounts of contaminants like polychlorinated biphenyls (PCBs) in waste oils, and pesticides. The Environmental Protection Agency makes use of the method of chromatography to test drinking water and to monitor air quality. Pharmaceutical industries use this method both to prepare huge quantities of extremely pure materials, and also to analyse the purified compounds for trace contaminants. The other applications of chromatography especially HPLC is used in Protein Separation like Insulin Purification, Plasma Fractionation and Enzyme Purification. These separation techniques like chromatography gain importance in different kinds of companies, different departments like Fuel Industry, biotechnology, biochemical processes, and forensic science. Chromatography is used for quality analyses and checker in the food industry, by identifying and separating, analysing additives, vitamins, preservatives, proteins, and amino acids. Chromatography like HPLC is used in DNA fingerprinting and bioinformatics.

The analysis of purified components invariably requires Nuclear Magnetic Resonance (NMR) spectroscopy - a continuously evolving and indispensable analytical technique used for the structure elucidation of compounds in chemical, biological, pharmaceutical and medical sciences. There is a great need to spark the interest particularly of graduate and post-graduate students in learning this technique

The workshop is being organised keeping in view the rapidly growing need for skilled personnel trained in purification and, especially NMR spectral interpretation in academia and industry. This intensive workshop will give the participants a valuable opportunity to gain knowledge and practical experience chromatographic techniques and in NMR data processing, spectral analysis and interpretation. The workshop will be based on group and individual problem solving sessions, using latest NMR application software.

About SAIF/CIL

SAIF, Panjab University was created by Department of Science and Technology, Govt. of India. during the 6th Five-Year Plan. The complete facilities of SAIF/CIL are working in unison to provide analytical services and practical training to researchers and scientists throughout the country. It houses TEM, SEM, FESEM, NMR (400 MHz), Confocal Microscope, ICP-MS, Ultramicrotome, CPD, PXRD, WDXRF, LC-MS, GC-MS, CHN-SO analyzer, FTIR, UV-Vis-NIR Spectrometers.

Who Can Attend

Faculty, Researchers, Engineers, Executives from R&D Labs, Universities and Industries and student at graduate, postgraduate and research scholars can participate in the workshop.

Call for Papers

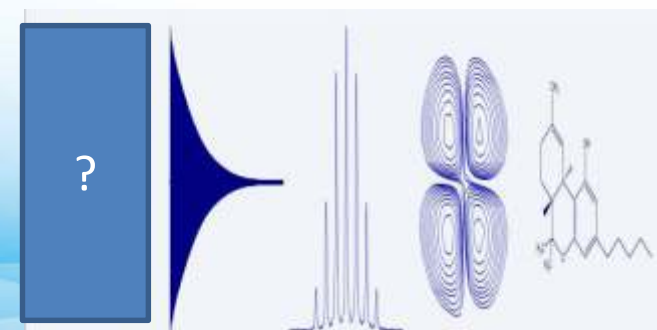
The participants are requested to submit the abstract(s) (maximum 250 words) of their paper(s) typed in MS word, Times New Roman font, 12 point with single spacing on A4 size with 3 cm right and 5 cm left, 1.5cm top and bottom margins through email to Dr. Amarjit Kaur (Convener) at as an attachment in MS word format with above said specifications. The name of the presenting author of the poster should be underlined. Poster size should be 1m x 1m in dimension. Participants interested in oral presentation should send their names and abstract of presentation at the above mentioned email address.

NATIONAL WORKSHOP

on APPLICATION OF MODERN CHROMATOGRAPHIC & NMR TECHNIQUES IN THE ISOLATION & CHARACTERIZATION OF BIOACTIVE NATURAL PRODUCTS / DRUG LEADS



April 08-09, 2019



*Organized by
Department of SAIF/CIL
Panjab University, Chandigarh
under the aegis of*



Patron

Prof. Raj Kumar

Vice Chancellor, Panjab University, Chandigarh

Chairperson

Prof. S. K. Mehta

Honorary Director

Department of SAIF/CIL/UCIM/USIC, Panjab University, Chandigarh

Organizing Committee

Prof. K.N. Singh

Chairperson, Department of Chemistry, Panjab University, Chandigarh

Er. H. P. S. Kang

Department of SAIF/CIL/UCIM/USIC, Panjab University, Chandigarh

Er. Poonam Kumari

Department of SAIF/CIL/UCIM/USIC, Panjab University, Chandigarh

Dr. Ramesh Sharma

Department of SAIF/CIL/UCIM/USIC, Panjab University, Chandigarh

Er. Anil Kumar Sharma

Department of SAIF/CIL/UCIM/USIC, Panjab University, Chandigarh

Dr. Sonal singhal

Department of Chemistry, Panjab University, Chandigarh

Dr. Neetu Goel

Department of Chemistry, Panjab University, Chandigarh

Dr. Navneet Kaur

Department of Chemistry, Panjab University, Chandigarh

Dr. Varinder Kaur

Department of Chemistry, Panjab University, Chandigarh

Dr. Shweta Rana

Department of Chemistry, Panjab University, Chandigarh

Confirmed Speakers

Prof. S. K. Srivastva

(Central Institute of Medicinal & Aromatic Plants Lucknow)

Prof. I. P. Singh

(NIPER Mohali)

Dr. Manjinder Singh

(NIPER Mohali)

Prof. R. Barthwal

(Indian Institute of Technology Roorkee)

About Chandigarh

Chandigarh is one of the most beautiful and well planned cities in India, designed by the French architect Le Corbusier. Serenity and a city are normally two diametrically opposite concepts, which however, get belied in the 'City Beautiful'. Chandigarh is a rare epitome of modernization co-existing with nature's preservation. The city is located near the foothills of the great mountains of Himalayas with the Queen of Hills, Shimla.

About Panjab University

Panjab University is one of the oldest Universities in India established in 1882. University campus is spread over an area of 550 acres in sectors 14 and 25 of the city of Chandigarh. It ranked 1st among the Universities in India and 38th in Asia, in Times Higher Education Asian University rankings 2015. Panjab University has a long tradition of pursuing excellence in teaching and research in science and technology, humanities, social sciences, performing arts and sports. PU campus attracts and supports the best minds and recruits faculty who excel in teaching and research. University has 75 teaching and research departments and 15 Centers.

Accommodation

The participants may be provided accommodation at the university guest houses/hostels based on the availability. Please send requests for accommodation in advance.

Registration

Early Bird Registration-Before 03/04/2019

Academia 600 INR (Students)

Academia 1000 INR (Research Scholar)

Academia 2000 INR (Faculty/scientists)

Industry 4000 INR

Late Registration-After 03/04/2019

Academia 1500 INR (students)

Academia 2500 INR (faculty/scientists)

Industry 4500 INR

The registration fee can be deposited in cash or sent by Demand draft drawn in favour of **Director, SAIF, Panjab University**, payable at Chandigarh.

Contact Us

Convener

Dr. Amarjit Kaur

Department of Chemistry

&

Centre of Advanced Study

Panjab University, Chandigarh

Mobile: +91-9815970112

E-mail: amarjitk@pu.ac.in