

## Charutar Vidya Mandal(CVM)

CVM is a charitable trust established by the eminent engineer Shri Bhailalbai Patel and devoted educationalist Shri Bhikhabhai Patel in 1945. It is the largest trust of its kind in Gujarat which founded the township of Vallabh Vidyanagar in 1946. CVM manages forty five educational institutes, from primary to post graduate level and doctoral studies. Establishment of Sophisticated Instrumentation Centre for Applied Research & Testing (SICART) is one of the major steps taken by CVM towards meeting challenges of globalization and liberalization through research and testing of samples from industries and academic institute using sophisticated instrumentation. SICART is equipped to handle the analysis of wide variety of materials that includes chemicals, new molecules, pharmaceuticals, plastics, polymers etc. It houses the following state of the art analytical instruments such as UV-VIS-NIR Spectrometer, FT-IR Spectrometer, HPLC, GPC, GC, GC-MS, HPTLC Systems Ion chromatography (IC), LC-MSMS, 400 MHz FT-NMR (with Solid Probe), ICP-OES, Laser Particle Size Analyzers, Laser Flash Thermal Conductivity Meter, Mercury Porosimeter, Micro-Hardness Tester (MHT), C,H,N,S & O Analyzer, Thermal System (DSC, TGA & DTA), Universal Testing Machine (UTM), X-Ray Diffractometer (XRD), Wavelength Dispersive X-Ray Fluorescence Spectrometry.(WD-XRF), Environment Scanning Electron Microscope (SEM) with EDAX, Field Emission Gun Scanning Electron Microscope (FEGSEM) with EDAX (with Mapping system) and Transmission Electron Microscope (TEM). SICART is funded by the Department of Science & Technology

(DST) and recognized as a Scientific & Industrial Research Organization (SIRO) by DSIR Government of India, New Delhi and as Schedule-I Environment Auditor by Gujarat State Pollution Control Board (GPCB).

### About the Workshop

Chromatography is a versatile tool amongst the modern analytical methods. The applications of Chromatographic methods have grown explosively in the last thirty years.

LC-MS-MS ion trap and triple quadrupole have capable for elucidation, conformation and exact mass determination of pesticides, environmental samples, protein samples and food samples in simple as well as complex matrix.

Looking to the need of bringing these latest advanced developments in chromatographic techniques to the benefit of industries and young researchers, SICART has planned a workshop on Chromatography with Mass Spectroscopic Technique.

The main focus of the workshop will be on the following aspects

- Classification of chromatography
- Basic Principles of LC-MS-MS.
- Multi stage fragmentation in ion trap mass spectrometry and triple quadrupole.
- Applications of ion trap Mass spectrometry and triple quadrupole.

The course consists of daily lectures by expert faculty drawn from academia and industries. These will be followed by practical training.

## REGISTRATION FORM

**Name:**

**Designation:**

**Address:**

**Tele. /Mobile No.:**

**Fax:**

**E-mail:**

Whether Accommodation required? Yes/No.  
If yes so it is paid bases.  
I shall be attending the workshop on LC-MS course and I enclose the registration Fee.

**Amount Rs.**

**By Cash / D.D. No.:**

**Date:**

**Signature:**

## **REGISTRATION**

Attached registration form duly filled should reach the Convener on or before 13<sup>th</sup> Sept-2014. The registration fee includes participation in the Workshop programme and Lunch / Tea.

## **REGISTRATION FEE**

Participants from University      Rs.1200/-  
Participants from Industry        Rs.2500/-

Registration fee should be paid by cash or Demand Draft in favor of SICART-CVM, payable at Vallabh Vidyanagar- 388120

## ***PATRON***

Dr. C. L. Patel, Chairman, CVM

## **Organizing Committee**

Prof. (Dr.) V. S. Patel

### **Director**

Dr. K. S. Rao

### **Dy. Director**

Ms. Rima Sheth

Dr. M. R. Tiwari

Dr. G. R. Chauhan

## **Course Coordinator**

## **Team Members**

Dr. Sanjay Patel

Dr. Mitesh Patel

Dr. K. K. Tiwari

Mr. Vipul Patel

Mr. Nikunj Patel

Mr. Pranav Patel

Mrs. Miral Patel

Mr. Vikas Patel

## **Workshop on “Hyphenated Techniques” (LC-MS/MS)**

(Theoretical, Operational, Analytical and Applied Aspects)

**September 16-17, 2014**

## **Organized by**



Sophisticated Instrumentation Centre for Applied Research & Testing (SICART)

Vallabh Vidyanagar-388120, Gujarat

## **ADDRESS FOR CORRESPONDENCE:**

Prof. (Dr.) V. S. Patel  
Director  
SICART

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