

## Vallabh Vidyanagar

Vallabh Vidyanagar was established with a noble idea conceived by the "Iron Man of India" for spreading education in the rural areas of Gujarat. Today, V. V. Nagar is recognized as the education hub of Gujarat and numerous institutes are offering traditional and professional educational programs. V. V. Nagar is a place of attraction for students and faculty from various parts of the country. Culture here is a nice blend of various traditions across the country, but still preserves the fragrance of a rural Gujarat

## Charutar Vidya Mandal (CVM)

CVM is a charitable trust established by the eminent engineer Shri Bhailalbhai 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 eight educational institutes, from primary to post graduate level and research studies.

## SICART

Establishment of Sophisticated Instrumentation Centre for Applied Research & Testing (SICART) is one of the major step taken by CVM To meet the requirement of industries and academia for analytical testing.

SICART is equipped to handle the analysis of wide variety of materials that includes chemicals, new molecules, drugs, medicinal plant plastics, polymers etc. Center has following analytical instruments such as **Chromatography:** HPLC, GPC, GC, GC-HS, GC-MS, HPTLC, Ion chromatography (IC), LC-MS-MS

**Spectroscopy:** UV-VIS-NIR Spectrometer, FT-IR Spectrometer, , 400 MHz FT-NMR (with Solid Probe), ICP-OES, X-Ray Diffractometer (XRD), Dispersive X-Ray Fluorescence Spectrometry (WD-XRF) **Microscopy:** Environment Scanning Electron Microscope (SEM) with EDAX, Field Emission Gun Scanning Electron Microscope (FEG-SEM) with EDAX (with Mapping system) and Transmission Electron Microscope (TEM).

**Miscellaneous techniques:** Laser Particle Size Analyzer, Laser Flash Thermal Conductivity Meter, Mercury Porosimeter, Micro-Hardness Tester (MHT), C,H,N,S & O Analyzer, Thermal System (DSC and STA-8000), Universal Testing Machine (UTM). Environment Monitoring, audit and analysis.

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.

## Who will benefit:

P.G. Science students, Ph.D scholars, Science faculty, Research scientists and industrial are encouraged to take part in the workshop. They will get exposure to various instruments.

## REGISTRATION FORM

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Tele./Mobile No.:** \_\_\_\_\_

**Email:** \_\_\_\_\_

I shall be attending the workshop on  
“**Liquid Chromatography with Mass spectrometer**” registration Fee details:

**Cash/DD/Cheque:** \_\_\_\_\_

**Date and cheque No.** \_\_\_\_\_

**Bank Name:** \_\_\_\_\_

**Signature:**

**Forwarded through Head of the Institute**

## REGISTRATION

Registration form duly completed should reach the organizing Secretary on or before 20<sup>th</sup> Oct, 2015.

### Registration fee for participants

Student	Rs.1500/- +Service tax(14%)
Faculty	Rs.2500/-+Service tax(14%)
Industry	Rs.3000/-+Service tax(14%)

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



LC-MS/MS: Liquid Chromatography with Mass spectrometer(Ion Trap & Triple Quadruple)

**Chief PATRON**  
Dr. C. L. Patel, Chairman, CVM

**PATRON**  
Dr. J. D. Patel, I/c Secretary

**Convener**  
Dr. S.V.Patel  
I/C. Director, SICART

**Organizing Secretary**  
Dr. G. R. Chauhan

### **Organizing Committee**

Dr. Mitesh Patel  
Dr. K. K. Tiwari  
Dr. M. R. Tiwari  
Ms. Rima Sheth

### **Contact for Registration:**

Dr. G. R. Chauhan

email: [sicart\\_cvm@hotmail.com](mailto:sicart_cvm@hotmail.com)

Website: [www.res.in](http://www.res.in)

**Workshop**  
on  
**“Liquid Chromatography with  
Mass spectrometer”  
(LC-MS/MS)**

October, 28-29, 2015

**Organized by**



**Sophisticated Instrumentation Centre  
for Applied Research & Testing**

( Accredited by NABL, Recognized by  
DSIR & Sponsored by DST)

### **Venue:**

**Sardar Patel Center for Science &  
Technology**

Charutar Vidya Mandal  
Vallabh Vidyanagar – 388 120  
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