

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 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-HS, GC-MS, HPTLC Systems Ion chromatography (IC), LC-MS-MS, 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 (FEG-SEM) 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 techniques. The applications of Chromatographic methods have grown explosively in the last thirty years, owing not only to the development of several new types of chromatographic techniques but also to the growing need for better methods to characterize complex mixtures. They are now widely used in all chemicals and pharmaceutical industries not only for the routine analysis but also for the development of new chemical and drug formulations. Looking to the need of bringing these latest advanced developments in chromatographic techniques to the benefit of industries and young researchers, SICART has planned to organize a workshop on Chromatography methods. The main focus of the workshop will be on the following aspects:

- Classification of chromatography
- Introduction to Chromatography techniques and its application.
- Basic principles and applications of HPLC, HPTLC and GC/GC-MS.
- Application in various fields

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

REGISTRATION FORM

Name:

Designation:

Address:

Tele. /Mobile No.:

Fax:

E-mail.:

Whether Accommodation required? Yes/No

I shall be attending the workshop on HPLC, HPTLC and GC/GCMS I enclose the registration Fee.

Amount Rs.

By Cash / D.D. No.:

Date:

Signature:

F.W.C Head of the Institution / Organization

REGISTRATION

Attached registration form duly completed should reach the Convener on or before 14th August, 2014. The registration fee includes participation in Workshop program and Lunch/Tea.

Registration fee for participants

For Student	Rs.1500/-
For Faculty	Rs.2000/-
For Industry	Rs.3000/-

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



GC-MS: Analyser: Single Quadrupole with Prefilter, Mass range: 20-650 Daltans (amu).



HPLC: Quaternary gradient system. Variable operating back pressure 5000psi, Detectors: Photo Diode Array(PDA),UV-VIS, Fluorescence Detector



HPTLC: Automatic applicator (Linomat-5), scanner-3 and documentation (reproster-3).Scan range :(190nm to 800nm)

PATRON

Dr. C. L. Patel, Chairman, CVM

Organizing Committee

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

Dr. K. S. Rao
Dy. Director

Dr. G. R. Chauhan
Course Coordinator

Team Members

Dr. Sanjay Patel

Dr. Mitesh Patel

Dr. K. K. Tiwari

Dr. M. R. Tiwari

Mr. Vipul Patel

Mr. Nikunj Patel

Ms. Rima Sheth

Mr. Pranav Patel

Mrs. Miral Patel

Mr. Vikas Patel

Workshop on “Hyphenated Chromatographic Techniques”

(HPLC, HPTLC & GC/GC-MS)

(Theoretical, Operational, Analytical and Applied Aspects)

August 20-22, 2014

Organized by



**Sophisticated Instrumentations Centre for
Applied Research & Testing (SICART)**

Vallabh Vidyanagar-388120, Gujarat

ADDRESS FOR CORRESPONDENCE:

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Director, SICART

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