

**Workshop  
On  
Molecular Characterization Techniques**

**REGISTRATION FORM**

- 1) Name: .....
- 2) Department: .....
- 3) Designation: .....
- 4) University/College/Organization:  
.....  
.....
- 5) Address for Correspondence:  
.....  
.....
- 6) Educational Qualifications:  
.....
- 7) Contact Info: .....
- 8) Email id: .....
- 9) Demand Draft Details:  
DD No. .... & Date: ..... Amount: .....  
Bank:.....

**Mode of Payment:**

Bank Draft/Cheque should be drawn in favour of  
**Registrar, IIT Indore**, Payable at Indore.  
Payment by cash at workshop reception counter.

Signature of the Applicant

**Organizing Committee**

**Dr. Rajneesh Misra**  
Workshop Convener  
Discipline of Chemistry

**Dr. Venkatesh Chelvam**  
Assistant Professor,  
Discipline of Chemistry

**Dr. Amit Kumar**  
Incharge NMR,  
Discipline of Bioscience & Bioengineering

**Dr. Shaikh M. Mobin**  
Incharge, Sophisticated Instrument Centre (SIC)  
Discipline of Chemistry

***For further clarification, please contact:***

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**INDIAN INSTITUTE OF TECHNOLOGY INDORE**

**IIT-Indore**



**SOPHISTICATED INSTRUMENTATION CENTRE (SIC)**

*Organizes*

**Workshop**

{Continuing Education Program (CEP), at IITI }

**On**

**Molecular Characterization Techniques**

(7<sup>th</sup> & 8<sup>th</sup> March, 2014)

Venue: M-Block, IET-DAVV Campus

**Indian Institute of Technology Indore**  
M-Block, IET-DAVV Campus,  
Indore - 452017, Madhya Pradesh, India

## ABOUT THE INSTITUTE

The driving force behind the 21<sup>st</sup> century is the development of knowledge-intensive society. This awareness has led, to the creation of new institutes of higher learning in India. Indian Institute of Technology Indore (IIT), established in 2009, is a part of this mega-project that envisages India as a Global Technology Leader. Continuing with the tradition of the established IITs, IIT Indore aims to play an active role in this task of propelling India on its growth-trajectory by focusing on education, and research.

## ABOUT THE SOPHISTICATED INSTRUMENTATION CENTRE (SIC)

Our mission is to support, and foster the research enterprise within the institute, as well as external users across the country. The SIC at IIT Indore is equipped with Single Crystal X-ray Diffractometer (SCXRD), Nuclear Magnetic Resonance (NMR), Fourier Transform Infrared (FTIR), Photoluminescence (PL), X-ray Absorption Fine Structure (XAFS), Time-Correlated Single Photon Counting (TCSPC), and Mass Spectrometer (MS), Elemental (CHN), and Thermal Analyzers (TGA/DSC), smart surface characterization tools such as Field-Emission Scanning Electron Microscope (FE-SEM), Single Molecule Imaging (TIRFM), and Scanning Probe Microscope (SPM).

## ABOUT THE WORKSHOP

The workshop is being organized by Sophisticated Instrumentation Centre (SIC), IIT-Indore under CEP program. This will provide platform for the scientific fraternity to share their views, and enhance their knowledge into the new developments in the field of spectroscopy to boost up the research.

## OBJECTIVE OF THE WORKSHOP

The proposed workshop will provide a golden opportunity to experience the state of the art sophisticated instrumentation techniques and initiate lively discussion among scientists, academicians and young researchers to share their knowledge, and strike collaborations in the frontier areas of chemical, and biological sciences. The beginners will get a chance to familiarize themselves with recent developments in different spectroscopic techniques, and gain confidence by seeing its applications, and data interpretations as done in real situation.

## Topics

1. Principles of different spectroscopic techniques
2. Instrumentation
3. Lectures followed by practical sessions
  - ◇ The aim of the workshop is to understand the fundamentals, and applications of modern spectroscopic techniques
  - ◇ Emphasis will be on the different techniques

such as UV-Visible, Fluorescence, PL, FTIR, NMR, LC-MS Spectroscopy and SCXRD

- ◇ Workshop is intended to feature novel, innovative applications of spectroscopic methods and techniques followed by hands on experience with sample analysis.



## GUIDELINES

- ◇ Registration fees

Students	Rs. 5,000/-
Faculty members	Rs. 7,000/-
Industry participants	Rs. 20,000/-
- ◇ Registration fee includes registration kit, snacks and lunch
- ◇ Limited accommodation will be provided in the institute campus on first come first serve basis
- ◇ Certificate of participation will be provided after the completion of workshop