



**A Workshop
on
“FT-NMR and FTIR Spectroscopy”
March, 04-05, 2025**

**Organized as a Pre-Congress Workshop on the Occasion of International
Analytical Science Congress, 2025**



Organized by



**Sophisticated Instrumentation Centre for Applied Research & Testing
(Accredited by NABL, Recognized by DSIR & Sponsored by DST)**

&



**Shri B. V. Patel Education Trust, Ahmedabad
www.bvpedutrust.com
Contact:(+91 91068 48562)**

Venue

**Sardar Patel Centre for Science & Technology
Sophisticated Instrumentation Centre for Applied Research & Testing (SICART)
Vallabh Vidyanagar – 388 120
Dist: Anand, Gujarat
Phone: (02692) 234966**

Vallabh Vidyanagar

Vallabh Vidyanagar was established with a noble idea conceived by the “Iron Man of India” of 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 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 the largest educational trust in Gujarat State. It was established in 1945 by eminent engineer Shri Bhailalbhai Patel and eminent educationalist Shri Bhikhabhai Patel. CVM established the educational township “Vallabh Vidyanagar” in 1946. It also established about fifty educational institutes from primary schools to University. CVM University was established in 2020. CVM is recognized by DSIR, Govt. of India, as Scientific and Industrial Research Organization (SIRO). SICART was established by CVM in the Year 1998.

SICART

Sophisticated Instrumentation Centre for Applied Research & Testing (SICART) is managed by Charutar Vidyamandal (CVM) and sponsored by Department of Science & Technology (DST), Govt. of India under DST Scheme “Sophisticated Analytical Instrument Facility (SAIF)”. A broad range of state-of-the-art analytical instruments are housed in about 10,000 square meters area under one roof. SICART offers advanced analytical instruments for Testing needs of academia, R&D Organizations, and industry. SICART is recognized by the Department of Scientific and Industrial Research (DSIR), it is NABL accredited and FDCA approved and GPCB Schedule I Auditor, ensuring high-quality research and testing services. 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: UV-VIS-NIR Spectrometer, FT-IR Spectrometer, HPLC, GPC, GC, GC-MS, GC-MS, HPTLC, LC-MS-MS, 400 MHz FT-NMR, ICP-OES, Laser Particle Size Analyzer, C,H,N,S&O Analyzer, Thermal System (DSC, TGA, STA & DTA), Universal Testing Machine (UTM), X-Ray Diffractometer (XRD), Wavelength Dispersive X-Ray Fluorescence (WD-XRF). FEG-SEM with EDS, HR –TEM with EDS.

Shri B. V. Patel Educational Trust, Ahmedabad

Shri B. V. Patel Education Trust, established in 1974 in memory of Gujarat's first drug controller, Shri Bhupendrabhai V. Patel, focuses on advancing education in Pharmacy and Allied Sciences. Its mission is to support the pharmaceutical industry with skilled professionals through programs like international symposiums, training workshops, and industry-oriented dissertation projects. The Trust organizes the annual Shri B. V. Patel Essay Competition and Memorial Lecture at the Indian Pharmaceutical Congress (IPC), where winners receive medals and cash prizes. Additionally, it plans to introduce certificate courses and innovative educational programs to support students and the pharmaceutical sector in Gujarat.

International Analytical Science Congress (IASC)

The Indian Society of Analytical Scientists (ISAS), established in 1983 at the Bhabha Atomic Research Centre, is a premier multidisciplinary scientific body with over 3000 members and 10 chapters across India. It serves as a forum connecting academia, industry, and R&D to advance analytical sciences. ISAS organizes annual Analytical Science Congresses, conferences, workshops, and student activities to promote science and technology. It publishes a peer-reviewed, open-access journal and e-newsletter and honors scientists with various awards. The ISAS Baroda Chapter, founded in 1993, is based at The Maharaja Sayajirao University of Baroda and actively promotes analytical sciences through events, workshops, and collaborations, fostering connections among academia, industry, and students.

About the Workshop

Attending the State Level Workshop on "FT-NMR and FTIR Spectroscopy" at SICART offers numerous benefits. Participants gain in depth understanding with two advanced analytical techniques: Fourier Transform Nuclear Magnetic Resonance (FT-NMR) and Fourier Transform Infrared (FTIR) Spectroscopy, which are crucial for structural and molecular analysis. The workshop will provide opportunities to learn from experts, enhancing understanding of instrumental operations, data interpretation, and applications in various fields like chemistry, biology, and material science. It fosters networking with peers and professionals, encouraging collaborative research and innovation. Such workshops also help in staying updated with the latest advancements, boosting academic and career growth.

Who will benefit

Master students, Ph.D scholars and Research scientists are encouraged to take part in the workshop. They will get exposure to the instruments.

Chief PATRON

Er. Bhikhubhai B. Patel, Chairman, CVM

Co-PATRON

Dr. S. P. Adeshara, Chairman, BVPET

Convener

Dr. R. H. Parikh, Hon. Director, SICART

Dr. Manish Nivsarkar, Director, BVPET

Co-convener

Dr. J. V. Patel, Deputy Director, SICART

Dr. Neeta Shrivastava, Deputy Director, BVPET

Organizing Secretary

Dr. G. R. Chauhan (SICART)

Organizin Committee

Dr. K. K. Tiwari (SICART)

Dr. Vikas Patel (SICART)

Ms. Dhara Desai (SICART)

Contact for Registration:

Dr. G. R. Chauhan

email: workshop@sicart.res.in

web site: www.sicart.res.in

Mobile No. – 8734034966

IASC- 2025 Conference Coordinators

Dr. Raghav Saran, National President, ISAS & IASC, 2025

Dr. Suneet Kumar Yadav, Chairman, ISAS Baroda Chapter, Gujarat

Prof. Padmaja Sudhakar, Vice-Chairman, ISAS Baroda Chapter, Gujarat

REGISTRATION

- For registration, please click following link & fill in the details
- **Registration Link:** <https://forms.gle/cXzw9i6Hrqh5LvBx9>
- Registration fees to be paid online.

Bank Details:

Payee Name: DIRECTOR, SICART

HDFC bank a/c: 50200061588363

IFSC code: HDFC0009500

Branch: NEW VALLABH VIDHYANAGAR

- Please share the receipt of Payment with details of your name and mobile number to given mail id: workshop@sicart.res.in

Registration Charges for Participants (Including GST)

| | |
|----------|-------------|
| Student | Rs. 1,000/- |
| Faculty | Rs. 1,500/- |
| Industry | Rs. 3,000/- |

Note:

- Enrollment is restricted to 20 participants on first come first served basis. (Note: Preference will be given to registered delegates of International Analytical Science Congress, 2025).
- Cancellations will not be accepted but substitutions may be made at any time.
- Fees include workshop material, lunch and tea/coffee on both days and Dinner on the 1st day. It does not include accommodation.
- Accommodation can be arranged on chargeable basis in twin sharing room. Participants can contact Mr. Hardik Parekh (Mobile number: +91-99983 02306) for further details regarding accommodation.
- At the end of the workshop, Certificate of Participation will be issued to all participants.
- Registration over telephone/e-mail will not be accepted.
- Last date for registration is 15th February, 2025.