



BITS Pilani
Pilani Campus



IICHe Pilani Regional Centre

WAICEE-2023

5th WORKSHOP-CUM-SYMPOSIUM on Analytical Instruments for Chemical and Environmental Engineers

28-29 March 2023

WAICEE 2023

Analytical methods have become indispensable for all working in chemical, environmental engineering, and allied areas, especially those involved in the qualitative and quantitative analysis of various process streams. The experience of various analytical instruments is vital and enables one to pursue research in many areas of modern science and technology. This workshop aims to equip participants with the skills required to handle and operate sophisticated analytical instruments, which are imperative in the present industrial environment.

This workshop is designed to provide participants with a comprehensive understanding of various analytical instruments used in chemical, environmental engineering, and allied areas. The workshop covers topics such as Gas Chromatography, HPLC, UV-VIS Spectrophotometer, Atomic Absorption Spectrophotometer (AAS), Fourier Transform Infrared Spectrophotometer (FTIR), Dynamic Foam Analyzer, Thermogravimetric Analyzer (TGA), X-Ray Diffraction, GC-MS, and Differential Scanning Calorimetry (DSC). The two-day workshop is divided into two sessions each day, with the first session focusing on theoretical aspects such as instrumentation, operation, troubleshooting, calibration, method development, and limitations, while the second session provides a practical demonstration of these instruments. The workshop will also include presentations by eminent researchers on ongoing research related to the use of these instruments.

ABOUT INSTITUTE

Birla Institute of Technology and Science, Pilani (BITS Pilani) is one of India's leading higher education institutes and a deemed-to-be university. It is one of the oldest technical institutes in India having campuses at Pilani, Goa, Hyderabad, and Dubai. The continuous effort of BITS Pilani to impart the highest quality of technical and management education has been rewarded by the Government of India recently when it achieved the status of Institute of Eminence. Today BITS Pilani is among the top 10 ranked technical institutes in India. An important aspect of education at BITS is its institutionalized linkages with the world of work. The Institute attaches great importance to University-Industry linkages and gives a thrust to it through Practice School, Technology Innovative Center, Off-Campus Work Integrated Learning, and Collaborative Programs.

ABOUT DEPARTMENT

The Department of Chemical Engineering was established in 1964 with primary missions to educate undergraduate and graduate students and to discover and disseminate knowledge through research. The department offers degree programs at three tiers of education, namely, the Integrated First Degree, B.E.; the Higher Degree, M.E (Chemical Engineering and Chemical with Specialization in Petroleum Engineering); the Ph.D. degree (on-campus and off-campus under Ph.D. Aspirant's scheme). The department has been ranked in the top 301-350 by QS World University Subject Rankings 2022 and in the top 11 in India. The department is committed to achieving excellence in these activities and evaluates the success and leadership of its programs using the highest standards of quality, innovation, and visibility.

LOCATION

Pilani is located 200 km. west of Delhi (ISBT, Kashmiri Gate) and 220 km. north of Jaipur (RSRTC bus stop, Sindhi Camp). Pilani is well connected, and direct buses are available with two metropolitans, Delhi and Jaipur. One can also reach Pilani by rail via Loharu from Delhi (Delhi Sarai Rohilla railway station).

WHO SHOULD ATTEND

- The postgraduate students, research scholars and faculty members pursuing studies in the field of chemical and environmental engineering or in allied field across the nation.
- It is also be beneficial to those who are looking forward to pursue research in the frontier areas of science and technology.

ORGANISING TEAM

Chief Patron:	Prof. V. Ramgopal Rao Vice-Chancellor, BITS Pilani
Patron:	Prof. Sudhirkumar Barai Director, BITS Pilani, Pilani Campus
Chairperson:	Prof. Pratik N. Sheth Head, Dept. of Chemical Engineering BITS Pilani - Pilani Campus
Conveners:	Prof. Hare Krishna Mohanta Dr. Bhanu Vardhan Reddy
Organizing Committee:	Prof. Suresh Gupta Prof. Arvind Kumar Sharma Prof. Banasri Roy Prof. Smita Raghuvanshi Prof. Pradipta Chattopadhyay Dr. Srinivas Appari Dr. Ajaya Kumar Pani Dr. Amit Jain Dr. Priya C. Sande Dr. Krishna C. Etika Dr. Somak Chatterjee Dr. Sarbani Ghosh Dr. Mohit Garg Dr. Jay Pandey

REGISTRATION DETAILS

Registration fee: ₹2,000/-
Registration fee includes Registration kit, Lunch, Dinner, tea/coffee and free hostel accommodation on sharing basis.
Enrollment is restricted to 50 participants only.

SPEAKERS

Sessions will be conducted by professionals and eminent academicians from reputed institutions and industries.

Organized by

IICHe Pilani Regional Centre
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Department of Chemical Engineering

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