



**BITS Pilani**  
Pilani Campus

## One-week hands-on training workshop on **Analytical Advances in Studying Molecules**

Under the aegis of  
**DST-Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI)**

In association with  
**Sophisticated Analytical Instrument Facility (SAIF), Panjab University, Chandigarh (PMU)**

October 15 - 21, 2022

### About BITS Pilani:

Birla Institute of Technology & Science, Pilani (BITS Pilani) has been consistently ranked high, by both governmental and private ranking agencies for its innovative processes and capabilities that have enabled it to impart quality education and emerge as the best private science and engineering institute in India. As per various reports by business magazines, the student acceptance rate to BITS Pilani is one of the most stringent in the world. BITS Pilani continuously strives to cater to the expectations of its brilliant student cohort by excelling both in teaching and research. In recognition of the high standard that BITS Pilani strives to uphold, University Grant Commission, in 2018, has declared it as an "Institute of Eminence" (IoE).

### About Department of Chemistry, BITS Pilani, Pilani Campus:

Established in 1944, we are one of the oldest departments on the campus. The department has grown with strong research interests in the Physical Chemistry, Synthetic Organic Chemistry, Inorganic Chemistry, Bioorganic Chemistry, Medicinal Chemistry, Theoretical and Computational Chemistry, etc. Equipped with state-of-the-art instrumentation facilities and research laboratories, we are counted amongst the best departments for education in Chemistry across the country.

### About STUTI program:

STUTI Program of the Department of Science & Technology (DST), Government of India, is intended to build human resource and its knowledge through open access to S&T Infrastructure across the country. This is achieved by organizing short term courses/workshops on the awareness, use and application of various instruments and analytical techniques. The Scheme provides grants for organizing training programs including boarding and lodging for participants, honorarium for resource persons, and training materials.

### Registration Process:

- This hands-on training is funded by DST STUTI program and registration is free of cost. Reimbursement for train fare (AC three tier or non-AC) to the participating candidates from outstations will be provided.
- Adjustment for the accommodation of the candidates will be made by the Institute depending on the availability.
- Participating candidates should make request for the accommodation during registration process.
- Participants are requested to registered using the "Register" link on the website: <https://www.bits-pilani.ac.in/pilani/STUTI/home>

### Important Dates:

- The last date for registration: 15<sup>th</sup> Sept 2022
- Notification of acceptance for the workshop: 20<sup>th</sup> Sept 2022

### Selection of Candidates:

The applications received shall be scrutinized as per eligibility of participants by the STUTI training program selection committee and decision of the committee will be final. Selected candidates will be notified through E-mail. The number of seats in the training program are limited.

### Confirmed Resource Persons:

- Prof. Diwan S. Rawat**, Delhi University
- Prof. Ramesh Ramapanicker**, Indian Institute of Technology Kanpur
- Prof. N. Suryaprakash**, Indian Institute of Science, Bangalore
- Prof. P. K. Madhu**, Tata Institute of Fundamental Research, Mumbai
- Prof. Parasuraman Jaisankar**, Indian Institute of Chemical Biology, Kolkata
- Prof. R. Ravi Krishna**, Indian Institute of Technology Madras
- Prof. SVK Kumar**, Tata Institute of Fundamental Research, Mumbai
- Prof. Soumen Kanti Manna**, Saha Institute of Nuclear Physics, Kolkata
- Prof. Anindya Dutta**, Indian Institute of Technology Bombay
- Prof. Sobhan Sen**, Jawaharlal Nehru University, New Delhi
- Prof. Jyotishman Dasgupta**, Tata Institute of Fundamental Research, Mumbai
- Dr. Indranath Chakraborty**, Indian Institute of Technology Kharagpur
- Dr. Ahin Roy**, Indian Institute of Technology Kharagpur

### Topics to be covered for Discussion and Hands-on-Training:

Nuclear Magnetic Resonance Spectroscopy, Chromatography, Mass Spectrometry, Ultraviolet-Visible Spectroscopy, Fluorescence Spectroscopy, Infrared Spectroscopy, Raman Spectroscopy, Scanning Electron Microscopy, and Transmission Electron Microscopy.

### Organizing Committee:

LEADERSHIP	
<b>Prof. Souvik Bhattacharyya</b> Vice-Chancellor, BITS Pilani	<b>Prof. Sudhirkumar Barai</b> Director, BITS Pilani-Pilani Campus
<b>Workshop coordinators</b> Dr. Avik K. Pati Dr. Bibhas R. Sarkar (BITS Pilani, Pilani Campus)	<b>STUTI coordinator (PMU)</b> Prof. G. R. Chaudhary Director, SAIF/CIL Panjab University, Chandigarh

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Organized by:  
Department of  
**Chemistry**  
BITS Pilani-Pilani Campus

