

6-Day National Workshop on Advanced Research Techniques for Chemical Analysis and Characterization

(Instruments for Training and Characterization: NMR, GC-MS, HPLC-MS, Single Crystal XRD, FT-IR, UV and ECWS)

Sponsored by: Royal Society of Chemistry, JEOL, SISCO CHEM PVT. LTD. & Jay Appliances & Instruments Co.

23rd – 28th September, 2024



IMPORTANT DATES

Last date of Application and Registration

18th September, 2024

Last date of Submission of Registration Fee

18th September, 2024

Workshop Dates

23rd - 28th September, 2024

Organizing Committee

Patron

Prof. Neelima Gupta

Hon'ble Vice Chancellor

Dr. Harisingh Gour Vishwavidyalaya, Sagar

Co-Patron

Prof. H. Thomas

DoRD and Chief Co-ordinator, CAR,

Conveners

Prof. Ratnesh Das

Department of Chemistry

Dr. Kalpataru Das

Department of Chemistry

Organizing Secretaries

Dr. Niraj Upadhyay

Department of Chemistry

Dr. K. K. Dey

Department of Physics

Co-organizing Secretary

Mr. Ramesh Chandra Prajapati

Centre for Advanced Research

Co-ordinator:

Dr. Vivek Kumar Pandey

Centre for Advanced Research

Treasurers:

Shri Ramesh Chandra Prajapati

Shri Shivprakash Solanki

Centre for Advanced Research

Technical Associates

Shri Saurabh Sah, Shri Ashish Chadar,

Shri Aravind Chadhar,

Centre for Advanced Research

Dr. Harisingh Gour Vishwavidyalaya, Sagar

Technical Team

Mr. Mahesh Soni, Mr. Pankaj Lal Kalar,

Mr. Swatantra Agrawal, Mr. Arunesh K. Mishra,

Miss Pratibha Mishra, Miss Priyanka Ahirwar,

Mr. Roopesh Viswakarma, Mr. Balaram Jee,

Mr. Prince Sen

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To provide participants the basic theories, functions, practical aspects, and applications of various sophisticated instruments through lectures, hands-on training and demonstration emphasizing advanced techniques for analysis and characterization of various target compounds including organic molecules, pharmaceuticals, drugs, pesticides, natural products, and dyes etc.

- Lectures on basic principles and applications of FT-IR, UV, NMR, GC-MS, HPLC-MS, ECWS and Single Crystal XRD
- Hands-on-Training on Instrumentation, instrument handling, safety, and practical aspects of various sophisticated instruments.
- Training on sample preparation, sampling methods and working with sophisticated instruments.
- Spectral processing and interpretation, data analysis and identification of target compounds.
- Problem solving sessions using combinations of spectral data etc.

Who can participate

- Faculty /Scientist/Researcher's/ Postdoctoral fellow/ P.G. and Ph.D. Students/ Industry personnel from **Chemical Sciences, Biological Sciences, Zoology, Botany, Pharmaceutical Sciences, Microbiology, Forensic Sciences, Material Sciences, Medical Sciences, Environmental Sciences, Biotechnology** or any relevant area
- **Maximum number of participants** is limited to **50** (First come first serve basis through Registration)

Registration Fees*

- PG Students : **Rs. 2000/-**
- Research Scholars/Ph.D. Students/ Postdoctoral fellow : **Rs. 2500/-**
- Faculty, Delegates from Academic and Research Institutions : **Rs. 4000/-**
- Industry Personnel : **Rs. 6000/-**

*The registration fee includes registration kits and working food. Suitable accommodation will be provided on payment basis on request, in University Guest House or nearby hotels .

Bank Details for Reg. Fees

A/c Name: **Centre for Advanced Research**

A/c Number: **41487942215**

Bank Name: **STATE BANK OF INDIA**

Branch: **SAUGOR University**

IFSC Code: **SBIN0001143**

Registration Fee to be paid by **Online Bank Transfer Only**



QR for online Registration

Link for
online
Registration

<https://forms.gle/Q94fxWpfEpZF EaR8A>

Organized by
Centre for Advanced Research (CAR)
Doctor Harisingh Gour Vishwavidyalaya, Sagar 470 003 [M.P.]
(A Central University)