

Workshop relevance:

This workshop and hands-on training will provide you with a comprehensive understanding of the operational mechanism and practical applications of the advanced microscopes mentioned below;

ATOMIC FORCE
MICROSCOPY

CONFOCAL
MICROSCOPY



FLOURESCENCE
MICROSCOPY

FIELD-EMISSION SCANNING
ELECTRON MICROSCOPY

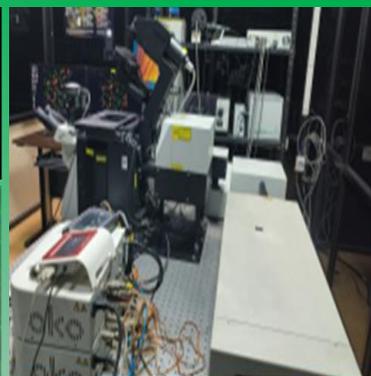
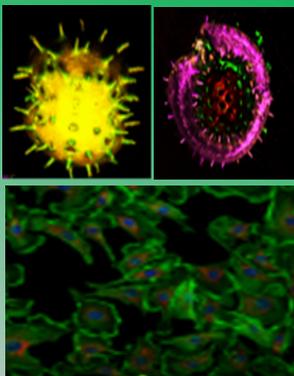
It will be followed by laboratory activities:

- ❖ Detailed demonstration of microscopes
- ❖ Specimen preparation
- ❖ Identify and interpret microscopic structures and details

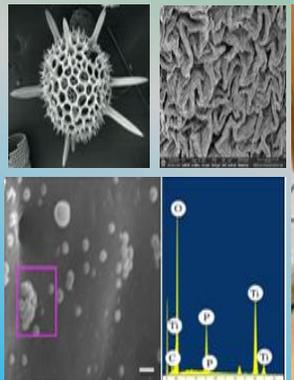
Objectives of the Program:

- ❑ To enable participants to understand the principles and applications of various types of microscopes and gain hands-training experience.
- ❑ To gain knowledge about the in-depth analysis of characterization techniques using microscopy.
- ❑ To interact with eminent professors, discuss real-time research
- ❑ To encourage participants to utilize the facilities and enhance their research interests.

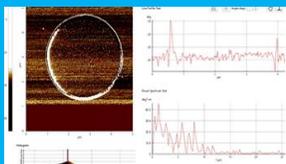
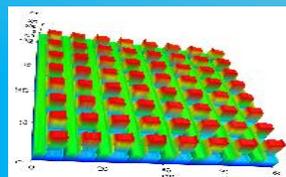
Olympus FV1200 MPE



Zeiss GEMINI-SEM360



Park NX10 Systems



Workshop and Hands-on Training Program on

ADVANCED MICROSCOPY

(Powerful Tools For Cutting Edge Scientific Research)

14 - 16 May 2025

Organised

by

Sophisticated Instrumentation Centre
Indian Institute of Technology
INDORE

Patron

Prof. Suhas S. Joshi
(Director, IIT Indore)

Chairperson

Prof. Abhirup Datta
(Dean, R&D)

Prof. Suman Mukhopadhyay
(Dean, ACR)

Organizing Committee

Prof. Apurba K Das (Convener)
(Professor-In-Charge, SIC)

Prof. Krushna R. Mavani
(Co-Convener, SIC)

Dr. Ravinder (JTS, SIC)
SIC Team

Indian Institute of Technology Indore

Indian Institute of Technology Indore (IITI) is a premier institute of national importance for higher education and research in India, founded in 2009 at Indore. It has created extensive infrastructure for research and development in various branches of engineering and science. The institute promotes interdisciplinary research programs focused on basic and applied research, technology development and innovation, which have helped the institute to excel in all areas of science, engineering, and humanities and social sciences. To further maximize the use of advanced high-end equipment and improve its management, IIT Indore has established a "Sophisticated Instrumentation Centre" (SIC) accessible to the entire research community.

Sophisticated Instrumentation Center (SIC)

It is a national facility established to expedite the research programs at IIT Indore, offering services and expertise to academics and industries across the country, including some international centers.

Our Mission

- ❖ To support and foster the research enterprise in all branches of science and engineering at the Indian Institute of Technology Indore, (IITI).
- ❖ Providing state-of-the-art instrumentation, ancillary equipment, expertise in its uses and application, all under one section to provide the highest quality of data analysis to academics and students in both research and teaching.
- ❖ To foster growth & competitiveness of local industries by fulfilling identified gaps to make Indian industrial products in terms of quality as per with global standards.

Important Dates

Registration deadline	May 6, 2025
Confirmation by mail	May 7, 2025
Commencement of Program	May 14, 2025

Target Participants: Students: B.Sc., M.Sc., B.Pharm., M.Pharm., B.Tech., M.Tech., Ph.D., Industrial/ Laboratory Technical staffs & Teaching personnel (Faculty) etc. This program would be beneficial to all the participants (both internal and external) with a thorough demonstration of the microscopic world.

It should be noted that **only limited seats** are available. Apply early to confirm your seat. **Participants will be provided with a certificate upon successful completion of the course.**

Queries: Please contact for your queries to the following:

Mr. Kinny Pandey (9713954703)
Miss Kajal Chaudhari (7397875004)
Mr. Ranjeet Raghuvanshi (9754957327)
Dr. Ravinder (9713375057)

Contact details:

Email: sic@iiti.ac.in , managersic@iiti.ac.in
Phone no: +91 (731) 6603311/3543/3541

VENUE: SIC, IIT Indore, Simrol, Khandwa Road, Indore – 453552 MP

Registration details:

The registration fee (non-refundable) for participants attending the workshop is given below:

Registration type	Fee(Rs.)*
Academia (Students)	1200/-
Academia (Faculty)	2500/-
Industry	4000/-

Note: Fees inclusive of GST

Meals included in registration fees.

Hostel accommodation will be provided to the participants attending this workshop for an additional charge of **Rs 575/- per night.**

Bank Account Details:

The registration fee is to be deposited through the following link:

<https://payu.in/web/EB3AF4CBC22FB4C90B5AB C9A52E5CAC3>

Registration form:

To complete the online registration, the participants needs to fill the following google form: <https://forms.gle/kmtxxcuQKh1Q29Mz9>

How to reach IIT Indore

Scan the below QR codes

