



Funded by DBT, Govt. of India

Workshop on Field Emission Scanning Electron Microscope (FESEM)

Organized by Department of Chemistry, IIT Guwahati

In association with ZEISS India

From 27/08/2024 to 30/08/2024

Program support for training and capacity building in NE region

North East Centre for Biological Sciences and Healthcare Engineering (NECBH)

Indian Institute of Technology Guwahati

Guwahati-71039, Assam

DBT project code: BT/NER/143/SP44675/2023

FESEMs play a crucial role in scientific research and industrial applications where high-resolution imaging and detailed surface analysis are required. Their ability to provide detailed structural and chemical information at the nanoscale makes them invaluable tools in advancing our understanding of materials and biological samples.

This workshop is open to all researchers in the fields of biology, material science, Chemistry, Physics, and nanotechnology. Participants will gain both a theoretical understanding of electron microscopy and hands-on experience with the FESEM.

Who can apply: Post Graduate students, PhD students, Post-Doctoral from India. Scientists, faculties, technical staffs, researchers from academic and research institutes. Preference will be given to participants from northeast institutes. Participants from Industries & Research institutes are also welcome.

About NECBH:

NECBH boasts a diverse array of cutting-edge instruments crucial for advanced scientific inquiry and analysis:

- FESEM (Field-Emission Scanning Electron Microscope)
- NMR (Nuclear Magnetic Resonance)
- XRD (X-Ray Diffraction)
- Confocal Microscopy
- FACS (Fluorescence-activated cell sorting)
- AFM (Atomic Force Microscope)
- PL (Photoluminescence)
- UV Spectrophotometer

These instruments cater to a broad spectrum of scientific disciplines spanning materials science, chemistry, biology, physics, and engineering. Access to these facilities is extended to researchers and students hailing from the academic and research institutes of India.

NECBH offers an exclusive 80% discount on the sample analysis charges to researchers from the North-East academic and research institute and 50% Discounts for the researchers from outside North East Region. For further details, kindly explore our website at <https://www.iitg.ac.in/necbh/>

For inquiries and bookings, feel free to contact us via email at necbheqpt.iitg@gmail.com or through phone at +91-361-258-3093.

Online portal for booking instrument facilities at NECBH

<https://www.iitg.ac.in/necbh/>



Registration is **FREE** for technical staffs/students/researchers/faculties/scientist from the academic and research institutes. **Free accommodation and travel support will be provided for limited participants.** However, participants from the industry are required to pay a registration fee of Rs. 3000/-

Register online:

<https://forms.gle/FJzAPC8LEQmUDb7f6>

Online registration will start from 16/07/2024 to 30/07/2024

Bank details for registration fee submission

A/C No: 39377583642

IFSC: SBIN0014262

Branch: IIT Guwahati Branch

Branch code: 14262

Bank Name: SBI

For any query:

Email ID: dhruba_iisi@iisi.iitg.ac.in

Phone number: +91-361-258-3093

Participants from outside of Guwahati city are only allowed for the accommodation.

Coordinator

Prof. G. Krishnamoorthy

Department of Chemistry

Indian Institute of Technology Guwahati,

Guwahati, Assam 781039, India