

## The Program

The USIC JNU in collaboration with Amity School of Applied Sciences (ASAS), Amity University Haryana is conducting a two-day workshop on Electron Microscopy during 28-29 March 2019. The electron microscopy has now become a basic tool for obtaining high resolution images of samples (biological as well as non-biological). The program shall focus on the science and technology of the principles and working of electron microscopes and also on the sample preparations of various materials. The workshop will include the lectures on introduction, principle, sample preparation, applications and practical/hands-on session of the instruments. The program will be useful to the researchers, teachers and working professionals in Industry who are already using or intend to use electron microscopy in their field.

## USIC at JNU

The University Science Instrumentation Center, Jawaharlal Nehru University was established in 1979 under the scheme of UGC for providing in-house facilities of Design/development/fabrication and maintenance of sophisticated scientific instruments and the training of researchers/teachers and technical staff of the Universities involved in the scientific and technical activities. The centre also provides scientific and technical design and fabrication facilities to the students/researchers and teachers of the university. And also helps them to design and develop new scientific instruments or gadgets for use in research. The centre has been conducting academic programs for relevant sections of the university and colleges.

## AIRF

The venue of workshop, AIRF JNU was conceived and setup as a part of USIC with an objective of creating a central facility of latest advanced Analytical Instruments for Research and applications in all areas of physical, environmental, biological, allied and interdisciplinary science and applications. It is unique facility housing more than 30 sophisticated analytical equipment at one place.

## JNU- Jawaharlal Nehru University

The University is located, since 1976, on a campus that is spread over approximately 1000 acres of land on the Aravali range in New Delhi. Presently the university has over 7300 students, who come from all parts of the country and abroad, and from all sections of society. There are over 600 faculty members in addition to administrative

staff. The ten schools and four special centres of University produce high quality research publications, books, working articles etc. recently JNU has been ranked by the NAAC as the top university in the country.

## Amity University Haryana

Amity University Haryana, Gurugram is situated in the picturesque, 110 acre Amity Education Valley, in the close proximity of Gurugram. AUH is built on a foundation which embodies all the qualities that have made Amity institutions world-class over the last two decades. The campus provides a multicultural environment with the presence of students from across India and more than 15 countries who share diversity of regions, ethnicities and flavours giving a global outlook.

## ASAS, AUH

Amity School of Applied Sciences (ASAS) was established in 2012 with a vision to be a school with excellence in various disciplines of Basic and Applied Sciences viz. Physics, Chemistry, Biochemistry, Forensic Science, Mathematics, Polymer Science and Renewable Energy. ASAS offers UG, PG and PhD programs focusing on high quality education meeting international standard and serving national need. The mission of the school is to build competencies for quality research in multidisciplinary areas of applied sciences.

## For updates visit website

<http://www.jnu.ac.in>

or

<http://www.amity.edu/Gurugram/>

## Program Schedule

### Technical Sessions (10 AM – 1 PM)

#### Day 1 (28 March 2019)

- (i) Introduction to Electron Microscopy
- (ii) Working and Applications of SEM and FeSEM
- (iii) Physical Sample Preparation for SEM

#### Day 2 (29 March 2019)

- (iv) Working and Applications of TEM
- (v) Techniques of Sample Preparation for TEM
- (vi) Biological Sample Preparation for TEM

### Practical Sessions (2 PM – 4 PM)

On both days (28 & 29 March 2019)  
Demo Session on Sample Preparation and Testing.  
Participants if so desire, can bring their own samples for analysis, but only few selected ones can be tested.

## Eligibility

Workshop is open to researchers/faculty/scientists from industry/Academics/R&D laboratories, working in allied and interdisciplinary areas.

## Registration Fee

Students/Research Scholars:	Rs. 1000/-
Teachers from College/Universities	Rs. 1500/-
Persons from R&D labs:	Rs. 2000/-
Persons from Industry/Corporate Sector:	Rs. 3000/-

Registration fees include participation in the technical program, tea and working lunch. The participation certificates shall be issued only to those who will attend the complete workshop.

**Mode of Payment:** Bank/Online transfer to the following account

### Name: JNU sponsored Seminar/Conference

<b>A/c number</b>	<b>35404650496</b>
<b>Name of bank:</b>	<b>State Bank of India</b>
<b>Branch</b>	<b>JNU New Campus</b>
<b>Address</b>	<b>Near Godawari Hostel JNU New Delhi-110067</b>
<b>MICR Code</b>	<b>110002428</b>
<b>Branch Code</b>	<b>10441</b>
<b>IFSC code</b>	<b>SBIN0010441</b>

## Important Dates:

- (i) Submission of Filled-in Form: 15 March 2019
- (ii) Submission of Registration fee: 20 March 2019
- (iii) Registration with late fee of Rs. 500: 25 March 2019

## How to Reach AIRF JNU

From anywhere in the city or NCR one can take an Auto/pre-paid Taxi/Ola/Uber for JNU new campus post office. or

From New Delhi Railway Station (Ajmeri gate side) you can take the bus no. 604 up to Munirka/Vasant Vihar Depot and then change for the bus no. 615 to reach JNU Campus. or

Take metro train from New Delhi railway station to reach Hauz Khas and then take an auto/ taxi to reach JNU new campus. Airport is 5-6 Km from campus, directly get an Auto/pre-paid Taxi.

# National Workshop on Principles and Techniques of Electron Microscopy

## Registration Form

Name.....

Designation.....

Qualifications:.....

Name of Institute/University/College/Organisation

.....  
.....

Address.....  
.....

Mobile No.....

Phone Number.....

Email: .....

Signatures with Date:

Place:

### \*How to Register

- Download the form from the website.
- Submit the filled-in form to [workshopmarch2019@gmail.com](mailto:workshopmarch2019@gmail.com)
- Intimation to selected candidates via mail.
- Payment of registration fee and submission of proof to the above e-mail address.
- Registration would be done on first-come first-serve basis as there are limited seats.

### Organising Committee

Chief Prof P B Sharma (VC, AUH)  
Patrons Prof M Jagdish Kumar (VC, JNU)

Patrons Prof S C Gargoti (Rector, JNU)  
Prof Padmakali Banerjee (PVC, AUH)

Convener Prof S K Sharma (Director, USIC-JNU)

### National Advisors

1. Prof. Dinesh Mohan (Director, AIRF JNU)
2. Prof. R P Singh, (Director, AIB, AUH)
3. Prof. Krishan Kumar (JNU)

### Coordinators

1. Prof A K Yadav (Director, ASAS, AUH)
2. Prof S R Pathak (HOD, Dept. of CBFS, AUH)

### Organising Secretary

1. Dr Jyotsna Sharma (Associate Prof, ASAS, AUH)
2. Dr Monika Vats (Asst. Prof., ASAS, AUH)

### Local Organising Committee

1. Dr Ruchita Pal (AIRF, JNU)
2. Dr Manu Vashistha (AIRF, JNU)
3. Dr. Prabhat Kumar (AIRF, JNU)
4. Dr Saroj Kumar Jha (AIRF, JNU)
5. Dr Manish Kumar (AIRF, JNU)

### Contact Details

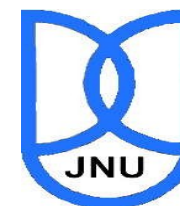
For any query/further details please contact  
Dr. Jyotsna Sharma: 9953323436  
Dr. Monika Vats: 8800717826  
You can also mail us at  
[workshopmarch2019@gmail.com](mailto:workshopmarch2019@gmail.com)

Web sites: <http://www.jnu.ac.in>  
<http://www.amity.edu/Gurugram/>

# National Workshop on Principles and Techniques of Electron Microscopy

28<sup>th</sup>-29<sup>th</sup> March, 2019

Jointly Organised by



Jawaharlal Nehru  
University (JNU)  
New Delhi-110067



Amity University  
Haryana (AUH)  
Gurugram-122413

Venue: AIRF, JNU, New Delhi-110067

University Science Instrumentation Centre  
Jawaharlal Nehru University  
New Delhi-110067