

### Registration Form

Name (block letter):

Designation:

Organization:

Address:

Contact No.:

E-mail:

Accommodation Required Yes/No

Details of Registration Fee:

DD/Cash:

Date:

Bank:

Amount:

(DD in favor of Registrar MNIT, Jaipur)

**Accommodation, meals and traveling expenses are to be borne by the participants/sponsoring agency. Limited accommodation on actual charges may be available at MNITJ Guest House II/ Hostels.**

Date:

Signature

### Chief Patron

Prof. Udaykumar R. Yaragatti

(Director MNIT Jaipur)

### Chairman

Prof. Malay Kumar Banerjee

(Chair Professor Metallurgical and Materials Engineering Department & Adjunct Professor Materials Research Centre, MNIT Jaipur)

### Coordinators

Dr. Kanupriya Sachdev

(H.O.D. Materials Research Centre)

Dr. Ragini Gupta

(Associate Professor, Materials Research Centre)

Dr. Amit Kumar Singh

(Assistant Professor, Materials Research Centre)

### Members

Dr. Wahdat Ullah

Dr.-Ing. Brij Mohan Mundotiya

## Short Term Course on “Nano Forms of Carbon”

19<sup>th</sup> – 23<sup>rd</sup> March  
2018



**Organized by**

**Materials Research Centre,  
Malaviya National Institute of  
Technology**

**J.L.N. Marg. Jaipur– 302017  
Rajasthan-India**

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

**Venue: Seminar Hall, Materials  
Research Centre**

## About MNITJ

Malaviya National Institute of Technology (MNIT) Jaipur is one of the NITs established by Ministry of Human Resource Development, Government of India. The Institute, earlier known as MREC, was established in 1963 as a joint venture of the state and central Governments. Later in 2002, the college was given the status of National Institute of Technology and on August 15, 2007, proclaimed Institute of National Importance through Act of Parliament. MNITJ campus spreads over 325 acres of lush green area in the prime location of Jaipur city. The institute offers various academic activities in addition to research, consultancy and development. The Institute offers UG and PG (M. Tech./M.Sc. & Ph.D.) level courses to about 5000 students in almost all leading fields of engineering, technology, management, and sciences.

## About Materials Research Centre

The Materials Research Centre aims to harness the talent resources of MNITJ for promoting interdisciplinary research in appropriate materials technologies. It has been created with an objective of providing a central facility of latest and advanced analytical instruments for research in the application areas of physical, environmental, chemical, allied and interdisciplinary sciences and Technology.

The Materials Research Centre provides access to a wide range of state-of-the-art equipment necessary for materials characterization and synthesis, such as Nuclear Magnetic Resonance, Transmission Electron

Microscope, FE- Scanning Electron Microscope, Atomic Force Microscope, X-Ray Diffractometer, Mass Spectrometer, etc.

The Centre also offers Ph.D. programme and an interdisciplinary Masters Programme in Masters Programme in Materials Science and Engineering.

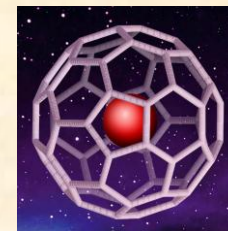
## Course Content

**The theory part of the course will cover**

- Introduction to Carbon & Nano forms of Carbon including CNT, Fullerene, Graphene & Carbon quantum dots
- Synthesis of Nano Carbon as well as nano-catalysts
- Characterization as well as applications of Nano-Carbon

**Experimental training will involve**

- Equipments used for Nano Carbon Synthesis
- Synthesis of nano-metal to be used as catalyst (Ni, Co & Fe)
- Synthesis of Carbon Nano Tubes by Chemical Vapor deposition method using hydrocarbons & plant derived precursors



## Registration Fees

Research Scholars & Students (MNITJ): 250/-  
Research Scholars & Students (other than MNITJ): 1000/-  
Faculty (MNITJ): 1000/-  
Faculty (other than MNITJ): 1500/-

**NOTE: On a first come, first served basis first 5 seats (Registrations) will be free for research scholars and students from MNITJ. Only tea is covered under the registration charges.**

## Resource Persons

Dr. Madhuri Sharon of Walchand Centre for Research in Nanotechnology and Bionanotechnology an authority in Carbon Nanotechnology will be chief resource person. She is an eminent Bio-nanotechnologist.

## Contact Persons

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