



**MANIPAL UNIVERSITY
JAIPUR**

FACULTY DEVELOPMENT PROGRAM

ON

ADVANCED NANOMATERIALS, NANOTECHNOLOGY & APPLICATIONS (FDP-ANNA-2020)



February 10-14, 2020

Organized by

**Department of Physics, Manipal University Jaipur,
Jaipur-303 007, Rajasthan, India**

in association with

**Department of Physics, MNIT Jaipur , Rajasthan,
India**



SPEAKERS

Eminent faculties/scientists from well reputed institutions will deliver lectures on topics related to FDP themes.

Participants will have hands-on experience/training on different types of experimental techniques used for experimental observations and softwares along with the opportunity to visit experimental laboratories at MNIT Jaipur.

MODE OF REGISTRATION

Registration dead line: 01 February 2020

**Registration Fee: Rs. 2500/- (Faculty)
(Online Only) Rs. 1500/-(Student)
Rs. 4000/-(Industry person)**

Account Details: -

**Name - Manipal University Jaipur
Bank Name- State Bank of India
Bank Branch: RECW Bhankrota,
Jaipur-303011, Rajasthan
A/c Number: 31805980405
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CONVENERS

**Dr. Pushendra Kumar (MUJ)
Dr. Rahul Singhal (MNIT)**

COORDINATORS

**Dr. Vipin Kumar (MUJ)
Dr. K. Venkataratnam Kamma (MNIT)**

OVERVIEW

Advanced nanomaterials, nanotechnology and their applications are important emerging research areas for engineers, scientists and technologists in this multidisciplinary world. There is urgent requirement of critical thinking to make a bridge and fill-up the gap between academia and industries. Nowadays, new markets demand goods and services that promote protection and clean-up environmental sustainability as well as clean and green energy future. To this end, there are increasing demands, opportunities and challenges for scientists and engineers to develop advanced materials at micro- as well as – nano scale, technologies and their applications for next generation industries. This could lead to manufacture more sustainable products and hence bring changes in the existing technologies and products.

MOTIVATION

The motivation of this multidisciplinary faculty development program (FDP) is to bring together experts from different fields, institutions and industries to share and exchange their ideas and research findings in the field of emerging advanced nanomaterials, their processing as well as their sustainability and applicability in different fields of interest. This multidisciplinary forum, the participants will have opportunities to discuss innovations, encountered challenges and their probable solutions in the different fields of materials science including processing and manufacturing of nanomaterials and their sustainability for resolving environmental issues and human being's concerns. This program could provide an stimulated environment for researchers to collaborate

and to contribute to the collective effort in developing the knowledge-based sustainable society.

ABOUT MUJ

Manipal University Jaipur (MUJ) is a young university among all the Manipal institutions in the Manipal Education Group, and was established in 2011. The permanent campus is set up on 122 acres of land in the outskirts of Jaipur city and is one of the best university in the region. MUJ has been placed in five star rating under 'Green Rating for Integrated Habitat Assessment' (GRIHA). MUJ provides a world class infrastructure, incorporating advanced research facilities and modern library to students for their advanced study. The university uses the latest and innovative methods and technology to impart quality learning for education.

Themes of the FDP

- Advanced materials
- Materials synthesis and characterization
- Nanomaterials in waste management
- Simulation and Modelling of nanomaterials
- Materials for sustainable environment
- Magnetic materials, thin film and properties
- Applications of nanomaterials
- Hands-on training on synthesis of nanomaterials & nanoparticles
- Hands-on training on experimental techniques

ORGANIZING COMMITTEE

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NCAMP 2018, MUJ