

**Online Workshop  
On  
Synthesis, Characterization and  
Performance of Advanced Materials  
(SCPAM - 2021)  
10<sup>th</sup> – 14<sup>th</sup> May, 2021**

**REGISTRATION FORM**

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Name of Institution: \_\_\_\_\_

Qualification: \_\_\_\_\_

Contact Address and WhatsApp mobile no.: \_\_\_\_\_

Email ID: \_\_\_\_\_

**Fees Detail:**

DD No./Transaction No: \_\_\_\_\_

Date: \_\_\_\_\_

Name of Bank: \_\_\_\_\_

Date: \_\_\_\_\_

Signature of Applicant

**HOW TO REGISTER:**

- **For online registration:** Fill the form and send the scan copy of the same with the proof of payment (Online payment receipt) on coordinator email ID [dpandey.iitk@gmail.com](mailto:dpandey.iitk@gmail.com)
- **For Online transaction**  
Account name: Director MANIT, Account No. 10020150107, IFSC SBIN0001608.
- **For Offline registration:** Duly filled Registration form along with demand draft of required amount in favour of “**Director, MANIT, Bhopal**” should reach to the Workshop coordinator on or before **30<sup>th</sup> April 2021**.

**KEY NOTES:**

- Workshop will be conducted in the online mode.
- E-Certificate will be provided after completion of course.
- Workshop is open to faculty members, research scholars and students of Chemical, MSME, Mechanical, Civil, Electrical and other branches of engineering and Science, industrial participants.
- **Seats are limited to 100 participants only**

**ORGANIZING COMMITTEE:**

**Patron:** Dr. N. S. Raghuvanshi, Director  
**Chairperson:** Dr. N. P. Patidar, Head of Department of Chemical Engineering  
**Coordinators:**  
Dr. Sundar Lal Pal, Assistant Professor  
Dr. Dharmendra Pandey, Assistant Professor  
Dr. Jay Mant Jha, Assistant Professor

**Online Workshop  
On  
Synthesis, Characterization and  
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**Organized By**

**Department of Chemical Engineering  
Maulana Azad  
National Institute of Technology  
Bhopal – 462 003 (M. P.)**

## INTRODUCTION:

Chemical Engineering is a broad discipline dealing with processes (industrial and natural) involving the transformation (chemical, biological, or physical) of matter or energy into forms useful for mankind, economically and without compromising environment, safety, or finite resources.

Since energy is one of the key ingredients of improving life styles of peoples, its consumption will dramatically accelerate and increase due to industrial, economic and social development. The optimal use of energy resources and their efficient deployment will require that our environment is preserved. Therefore environmental concerns are to be integrated with the energy resource planning and policy formations. The workshop covers an overview of hazardous waste scenario and energy management-Global and Indian, legislative and regulatory trends and impact, characterization and identification of hazardous wastes, authorization procedures, fate and transport of hazardous contaminants, reprocessing and recycling of hazardous waste, evaluation of risks and other recent developments in handling and processing of hazardous waste. This workshop provides a common platform to discuss advanced research activities carried out in chemical engineering and related areas.

## Workshop OUTCOMES:

After successful completion of this workshop participants will be able to:

WO1: Explain the Characteristics of Novel Materials

WO2: Apply the Advanced techniques to Characterize the novel materials.

WO3: Interpretation of experimental data observed from XRD, SEM & EDX etc.

WO4: Analyze the mechanical strength of materials.

## REGISTRATION FEES\*:

Participants	Amount Rs.
Industry	500
Faculty Members	500
Research Scholars	500
Under Graduate Students	500

### Address for Correspondence

#### Dr. Sundar Lal Pal

Assistant Professor

Email: [sunderlalin@gmail.com](mailto:sunderlalin@gmail.com)

Mobile No.: 94799 61203

#### Dr. Dharmendra Pandey

Assistant Professor

Email: [dpandey.iitk@gmail.com](mailto:dpandey.iitk@gmail.com)

Mobile No.: 9451019860

#### Dr. Jay Mant Jha

Assistant Professor

Email: [04ch20@gmail.com](mailto:04ch20@gmail.com)

Mobile No.: 9475177282

## Department of Chemical Engineering

### Maulana Azad

## National Institute of Technology,

**Bhopal – 462 003 (M. P.)**

## ABOUT THE INSTITUTE:

Maulana Azad National Institute of Technology (MANIT), an Institute of National Importance, is formerly known as Maulana Azad College of Technology (MACT).

Institute is named after the great scholar and 1<sup>st</sup> Education Minister of Govt. of India, Maulana Abul Kalam Azad. The Govt. of India and Govt. of Madhya Pradesh jointly sponsored the Institute in 1960 to attract bright young engineering students across the country. Institute is successfully producing highest quality skilled manpower to cope up with challenges of modern technological advances with more than 200 faculties and 5500 students. The Institute offers 09 UG and 30 PG courses and also Ph. D. research programmes.

## ABOUT BHOPAL:

Bhopal is the capital of Madhya Pradesh and is known as city of Lakes and Hills. It is well connected to all parts of the country by road, rail and air. MANIT is about 10 km from Bhopal city railway station. Weather in Bhopal is normally pleasant.

## ABOUT DEPARTMENT:

Department of Chemical Engineering offers B. Tech., M. Tech. And PhD course in chemical engineering. It has well established laboratories at research and Under graduate levels.

