

## ABOUT CIPET

Central Institute of Petrochemicals Engineering & Technology (CIPET) (formerly known as Central Institute of Plastics Engineering & Technology) is a premier academic institution for higher & technical education under the Department of Chemicals and Petrochemicals, Ministry of Chemicals & Fertilizers, Govt. of India having its head office at Chennai & various centres across the country. CIPET is fully devoted in Academics, Research, Technology Support, and Skill Training.



**CIPET : Institute of Petrochemicals Technology (IPT) - Ahmedabad** was established in 1984 with an objective to provide quality education and specialized skill up-gradation training and to provide technology support services to Plastics and allied industries in Gujarat.

The centre has state-of-the-art laboratories, class rooms, various departments, library, cafeteria, hostel, etc. The centre is equipped with state-of-the-art infrastructure to provide technical services to plastics & allied industries and to provide quality education to the Students undergoing training in the Institute creating technically qualified manpower to meet the requirement of Industries at various levels.



## WHO SHOULD ATTEND THIS?

The conference provides an opportunity for academics, scholars, researchers, industry persons, and policy makers with different backgrounds to discuss their experience, new ideas and research outcomes in the forum of experts and speakers.

The conference committee highly encourages participation of PhD and PG students to presents their research work, or literature review, or findings, case studies etc. in the broad spectrum of themes.

## APM SERIES - THE SUCCESS SAGA

Initiated in 2010, the APM series was established as a pivotal platform for fostering technological networking among pioneers in Petrochemicals Science and its allied applications. Over the years, APM has facilitated robust idea exchanges, interactive industrial sessions, and discussions on socio-economic solutions. It has also delved into future research trends, inventive design concepts, and simulation techniques. The series has played a pivotal role in fostering international collaborations, industrial partnerships, and academic networking. The multidisciplinary approach embraced by APM has significantly broadened CIPET's research horizons.

Acknowledging the significance of contemporary subjects like plastic waste management, sustainable polymers, and the development of environmentally friendly materials and technologies using artificial intelligence and machine learning, the 15<sup>th</sup> chapter of this series, APM 2024, revolves around the theme **"Sustainable & Innovative Materials and Design for Global Needs"**. This forthcoming conference will be dedicated to exploring pioneering technologies in plastic waste management, strategic approaches for realizing a circular economy, and innovative materials and product design. The dedicated sessions will offer fresh perspectives on globally relevant topics and seek viable and practical solutions. The conference will feature key note invited speakers from renowned Academicians/ Researchers/Scientists in respective disciplines, contributed oral papers, and poster presentations.

## OBJECTIVE OF CONFERENCE

- ◆ To provide a platform for academia, industries, institution for dissemination of applied knowledge among stakeholders.
- ◆ To spark innovative ideas by a wide range of expert speakers, policy makers and scientific leaders.
- ◆ To address the priorities in sustainable polymeric materials to face the energy & environmental challenges ahead
- ◆ To create valuable and important platform for sharing the forefront of advanced sustainable material development for environment and energy.

## THEMATIC AREA

- ◆ Functional Materials - **A benchmark in the field of new materials**
- ◆ Blends, Alloys and Composites - **Renaissance for Applications in upcoming Sector**
- ◆ High Performance Polymers - **Tailoring high end applications**
- ◆ Artificial intelligence & Machine Learning : **Innovative polymer design and discovery**
- ◆ Smart Materials - **A replacement for existing non-renewables**
- ◆ Sustainable & Green Chemistry – **to promote Sustainability, Prosperity and Equity**
- ◆ Nanotechnology Integration- **Design, Development and Simulation of Nanoehnology World**
- ◆ Thin films & Coatings - **Newer attributes for potential applications**
- ◆ Recycling Technology and Circular Economy - **Renew, Revive & Restart**
- ◆ Emerging Technologies for Waste Management - **Innovative & economical Recycling Strategies**
- ◆ Industrial Safety - **Hazard Identification and Risk Assessment & Chemical Handling and Storage Safety**

## 15<sup>th</sup> INTERNATIONAL CONFERENCE

# APM-2024

SUSTAINABLE & INNOVATIVE MATERIALS  
AND DESIGN FOR GLOBAL NEEDS

14<sup>th</sup>-16<sup>th</sup>  
MARCH  
2024

Supported by:



सरसमैव जयते  
Government of India  
Ministry of Chemicals & Fertilizers  
Department of Chemicals & Petrochemicals

Organised by:



सिपेट CIPET

CIPET : IPT - AHMEDABAD  
Plot No. 630,  
Phase-IV, GIDC, Vatva,  
Ahmedabad - 382 445  
Gujarat

## COMMITTEE MEMBERS

### ORGANIZING COMMITTEE

**PATRON**  
**Prof. (Dr.) Shishir Sinha**  
Director, CIPET

**CHAIRMAN**  
**Dr. Vishal Verma**  
TSS & BD, CIPET, Head Office

**CONVENER**  
**Mr. Paritosh Diwasali**  
Head, CIPET : IPT-Ahmedabad

### ADVISORY COMMITTEE

- **Prof. Ashok Mishra**  
Ex-Director, IIT, Bombay
- **Prof K.K. Pant**  
Director, IIT, Roorkee
- **Prof. (Dr.) Anupam Shukla**  
Director, SVNIT, Surat
- **Dr. N V Ramana Rao**  
Director, NIT, Raipur
- **Dr. Atul Narayan Vaidya**  
Director, CSIR-NEERI, Nagpur
- **Prof. Naveen Kumar Navani**  
Professor, Chemical Biology Group, IIT Roorkee
- **Prof Anup K. Ghosh**  
Emeritus Professor, IIT-Delhi
- **Prof. Ashutosh Sharma**  
Institute Chair Professor, IIT - Kanpur
- **Dr. S.K. Goyal**  
Chief Scientist & Head, CSIR-NEERI, Delhi Zone Center
- **Prof D S Arya**  
Professor, Department of Hydrology, IIT Roorkee
- **Dr. O.P. Pandey**  
Senior Professor & Head  
Thapar Institute of Engineering & Technology, Patiala
- **Dr. N.R. Shiju**  
Faculty of Science, University of Amsterdam, Netherlands
- **Dr. Guru Ghosh**  
Vice President for Outreach and International Affairs, Virginia Tech (USA)
- **Dr. Ashutosh Tiwari**  
Assistant Professor, Department of Materials Science and Engineering, University of Utah (USA)
- **Prof Ajay Dalai**  
Department of Chemical Engineering and Biological Engineering, Saskatchewan University, Canada
- **Prof. K. Kanny**  
Professor, Durban University of Technology, South Africa
- **Shri Dhawal Saxena**  
CEO & CTO,  
Bhumistha Infra Services, Mumbai
- **Shri Rajeev Dwivedi**  
Director, TTRC,  
M/s. Lohia Corp Ltd., Kanpur
- **Dr. Anirbid Sircar**  
Director, SOET, PDEU,  
Gandhinagar

## CALL FOR ABSTRACTS

APM-2024 welcomes high-quality, cutting-edge research on materials and technology for sustainable energy and environment particularly encourages original, novel fundamental, and engineering research covering the mentioned thrust area of this International Conference. The document should be prepared considering following formatting:

- ◆ Title should be in Arial font size 16.
- ◆ Author names should be in Arial font size 14 and affiliation in Arial font size 12.
- ◆ The presenting author should be underlined.
- ◆ Abstract should not be more than 250 words.
- ◆ Abstract should be prepared considering A4 paper size document file.
- ◆ The line spacing should be 1.5. Font size for Abstract should be Arial font size 12.
- ◆ The abstract should include 3-5 keywords that define the subject matter.
- ◆ The general guideline/ template for abstract can be downloaded from [www.apm2024.com](http://www.apm2024.com)
- ◆ Abstract should be submitted at conference website [www.apm2024.com](http://www.apm2024.com)
- ◆ Acceptance of abstracts shall be intimated through email after scrutinizing by subject experts & selected papers will be published in conference proceedings.

## PUBLICATION & AWARDS

- ◆ Selected Papers will be published in the special issue of "Elsevier", Netherlands
- ◆ Selected five Posters will be awarded USD 100 each sponsored by "Elsevier", Netherlands

## POSTER PRESENTATION

- ◆ The poster should be printed before attending the conference. E-poster will also be accepted.
- ◆ The poster should be in English and portrait orientation size of A1 (23.4 x 33.1 inches).
- ◆ The title of the poster and name of authors should be placed at the top of the poster.
- ◆ The author's names, emails and address should be highlighted & the name of the presenting author should be underlined.
- ◆ All diagrams and paragraphs should be neatly prepared and readable.
- ◆ Different colors and textures/symbols should be used for each line or bar contained in the graph or chart.
- ◆ Authors have complete freedom in displaying their information in figures, tables, text and photographs.
- ◆ The finalized poster should also be submitted in Portable Document Format (.pdf) at website: [www.apm2024.com](http://www.apm2024.com)

## REGISTRATIONS

### TECHNICAL COMMITTEE :

**Dr. K P Bhuvana** : +91-9894398623  
**Dr. Rajesh Panda** : +91-9663185230  
**Dr. Gohil Jaydevsinh M** : +91-8347318653  
**Dr. Srikant Tiwari** : +91-9140483142

### REGISTRATION FEES :

Students (M.Tech/ M.Phil/ M.Sc./ B.Tech / Dip.) : Rs. 2000/-  
Research Scholars : Rs. 3000/-  
Faculties and Delegates from Academic Institutions : Rs. 5000/-  
Delegates from Industries/ R&D Organization : Rs. 6000/-  
Foreign Delegates : USD 250/-

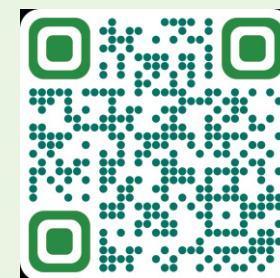
All payments are to be made through Cheque/Demand Draft/NEFT or RTGS in favour of "CIPET Ahmedabad"

Account No. : 0282201001442  
Bank Name : Canara Bank  
Bank Address : Maninagar, Ahmedabad, Gujarat-380008  
IFSC : CNRB0000282  
CIPET GST No. : 24AAAAC0606R1ZV

### REGISTRATION INSTRUCTIONS :

Please make sure in which category you can apply for registration. Fee should be paid in advance prior to registration. DD / NEFT / UTR No. should be filled into the registration form. In case of any query, feel free to contact us.

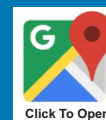
Scan here to REGISTER



<https://forms.gle/CTqSNJoiKeSV4aVW6>

### VENUE

**CIPET : Institute of Petrochemicals Technology (IPT)**  
Plot No. 630, Phase 4, GIDC, Vatva, Ahmedabad-382 445  
E-mail : [apm2024@cipet.gov.in](mailto:apm2024@cipet.gov.in)  
website: [www.apm2024.com](http://www.apm2024.com)



Click To Open