

One Day National Conference on  
**ADVANCES IN POLYMER SCIENCE AND  
TECHNOLOGY**  
**(APST-2024)**

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March 16, 2024

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Organized by

**Department of Chemistry**

(Autonomous)

University of Mumbai

Vidyanagari, Santacruz (East)

Mumbai-400 098

INDIA

Website: <http://chem.mu.ac.in>

In Collaboration with

**Society for Industrial Chemistry, Mumbai**

Registration link: <https://forms.gle/E9PAq3J1WW8QTzUV7>

Department of Chemistry extends a very warm welcome to the scientists, researchers, academicians, students, professionals, and industry personnel to participate in one-day national conference on '**Advances in Polymer Science and Technology (APST-2024)**' on March 16, 2024 in collaboration with **Society for Industrial Chemistry, Mumbai**. Academic and Industrial deliberations would be from eminent scientists and experts. The focus of the scientific sessions will be on the emerging trends in polymer sciences.

#### **OBJECTIVES AND SCOPE OF THE CONFERENCE:**

Natural Polymers have been used since prehistoric times and have been modified and processed empirically over many centuries for wide varieties of applications e.g. Papyrus. However society ushered into 'Polymer Age' with the invention of 'Bakelite' the first synthetic polymer. As the future unfolds, plastics and other synthetic polymers will play increasingly versatile roles in medicine, electronics, aerospace and advanced structural composites. New products will be manufactured and molded all over the world. The importance of polymer science and technology is expected to grow even in future. The challenges that lie in controlling new molecular architecture are still many. We need to define and respond to world needs and to improve communication and learning in this subject area. This conference aims to enhance us to formulate future strategies and activities in order to share and exchange ideas across the polymer community, by providing a valuable forum to polymer science organizations. We hope that this conference will foster new ideas and concepts which will be an impetus for progressive research in the field of Polymer Science and Technology. The conference will cover following areas;

- ❖ Polymer Synthesis, Characterization and Modifications
- ❖ Rheology and Polymer Processing
- ❖ Polymer Blends and Alloys
- ❖ Biopolymers and Bio-compatible Polymers
- ❖ Polymer in Medicinal Applications
- ❖ Polymer in Pharmaceuticals
- ❖ Polymer Recycling and Sustainability
- ❖ Polymer Degradation and Stability
- ❖ Shape Memorable Polymers
- ❖ Polymeric Nanomaterials and Nanocomposites
- ❖ Polymer-Supported Organic Reactions
- ❖ Inorganic Polymers
- ❖ Theoretical Aspects of Polymer Sciences
- ❖ Materials Chemistry

**However, Research Papers from all branches of Chemical Sciences will be accepted.**

## **ABSTRACT SUBMISSION:**

Authors should submit an abstract for oral / poster presentation not exceeding 300 words on a single page in the word format with 25 mm margins on all sides, 1.5 line spacing, and 12 pt, in Times New Roman font. The Title should be given in bold followed by affiliation. The author presenting the paper should be underlined and the corresponding author should be marked with asterisk. Abstract should be submitted to the Secretary on **Email: apst2024@mu.ac.in** on or before **March 5, 2024**. The acceptance of the paper either for oral or poster presentation will be intimated to the presenting author on or before **March 7, 2024** by email communication. Authors are required to indicate their preference for Oral or Poster presentation. However, scrutiny committee's decision will be final.

## **IMPORTANT DATES**

- Abstract Submission with registration fee : March 5, 2024
- Intimation of selected Paper for Oral/Poster Presentation : March 7, 2024
- Last date of Registration of Participants along with Registration fee : March 7, 2024

## **REGISTRATION**

All the participants should get registered by filling Google form Registration link and pay fees in Online mode in favour of **Society for Industrial Chemistry (A/C No 50100166128950 HDFC Bank, Thane, IFSC Code: HDFC0003959)**.

**Registration link:** <https://forms.gle/E9PAq3J1WW8QTzUV7>

## **REGISTRATION FEES**

Students	: Rs. 500/-
Delegates from Universities/Educational/ Research Institutions and <b>SIC members</b>	: Rs. 700/-
Delegates from Industries	: Rs. 1200/-

## **ACCOMMODATION**

Accommodation for delegates will be arranged in the University guest houses/hostels and the nearby hotels on an actual payment basis. The request for the same along with the advance payment should be sent **on or before March 1, 2024**.

## **UPDATES ABOUT THE NATIONAL CONFERENCE:**

The detailed program and other updates about the national conference will be made available on the web site: **<http://chem.mu.ac.in>**

## **ABOUT THE UNIVERSITY DEPARTMENT OF CHEMISTRY**

The University Department of Chemistry, University of Mumbai, established in the year 1967, conducts two-year post-graduate courses and Ph. D. degrees in Organic, Inorganic, Physical, Analytical and Industrial Polymer Chemistry. The Department has been granted autonomous status from the academic year 2009–2010.

The Department has many research projects from the various national and international funding agencies like UGC–UPE, DST–PURSE and DST-FIST etc.

## **ABOUT THE UNIVERSITY OF MUMBAI**

The University of Mumbai (known earlier as University of Bombay) is one of the oldest and premier Universities in India. It was established in 1857 consequent upon "Wood's Education Dispatch", and it is one amongst the first three Universities in India.

The profile of this University carved out in 150 years of its functioning attests to its manifold achievements as the intellectual and moral powerhouse of society. The University has always given its best to the country in general and to the city of Mumbai in particular by enthusiastically shouldering an ever-growing load of social values and opportunities.

The University has two campuses of area 230 acres and 13 acres, with 1.25 million square feet of built-up area, 22 thousand sq. feet of classrooms and 84 thousand sq feet of laboratory space. It has two post-graduate centers, 850 affiliated colleges and 58 Departments. It has established its name in industrial collaborations and runs various professional courses. Recently University is accredited A++ grade (Grade I) with CGPA of 3.65.

## **ABOUT SOCIETY FOR INDUSTRIAL CHEMISTRY**

Society for Industrial Chemistry was established in 2015 to bring together researchers from industries, academia, and other technology driven enterprises for sharing of knowledge in diverse area relevant to Indian Industry. Since its inception the society has organized a series of seminars in many areas, such as Characterization of materials, Performance chemicals in paints, Architectural coatings, Pharmaceuticals, Specialty Chemicals. Currently, we have around 200 life members, covering a broad spectrum of scientific community. The society has the goal of increasing the base to encompass more personnel from industries, academics and research institutions.

**Contact E-mail:** [soc.ind.chem.india@gmail.com](mailto:soc.ind.chem.india@gmail.com)

## **ABOUT THE CITY OF MUMBAI**

**Mumbai**, which was previously known as **Bombay** is a major metropolitan city of **India**. It is the state capital of **Maharashtra**. Mumbai city is known as the business capital of India, it being the country's principal financial and communications centre. The city has the largest and the busiest port handling India's foreign trade and a major International airport.

Mumbai is part of India's beautiful west coast that runs down from Gujarat, through Mumbai to Goa, Karnataka and Kerala. It is a group of seven islands in the Arabian Sea, which lies off the northern Konkan coast on the west of **Maharashtra** state in India. These seven islands, which were once separated by creeks and channels were filled and bridged over the years by the inhabitants.

### **Sight Seeing**

There are several popular sightseeing locations in and around Mumbai. Some of these are: Gateway of India, Flora Fountain (Hutatma Chowk), Haji Ali, Kamala Nehru Park & Hanging Garden, National Park, Canheri caves, Essel World, Mahalaxmi Temple, Mount Mary Church, Mahalaxmi Race Course, Nehru Planetarium and Science Centre, The Prince of Wales Museum, Taraporewala Aquarium, Victoria Gardens (Veer mata Jeejabai Bhonsle Udyan), Juhu Chowpatty, Manori, Erangal and Gorai Beaches, Elephanta Caves. The hill stations Lonavala, Khandala and Matheran are about 100–120 km from Mumbai by rail/road.

### **Climate**

The weather in the month of March is pleasant with day temperatures ranging between 28–32 °C and night temperatures ranging between 15–20 °C.

### **Patron**

**Prof. Ravindra D. Kulkarni**,  
*Vice Chancellor, University of Mumbai*

### **Co-Patron**

**Dr. Ajay M. Bhamare**,  
*Pro-Vice Chancellor, University of Mumbai*  
**Prof. Sunil S. Bhagwat**, *Director, IISER, Pune*

### **National Advisory Committee**

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*Vice Chancellor, PAH Solapur University, Solapur*  
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Dr. Kiran Gore, *IIT, Kharagpur*

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### **Local Organizing Committee**

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Prof. Rajesh M. Kamble ( <i>Co-Convener</i> )	Dr. (Mrs.) Shilpee Sachar
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### **ADDRESS FOR CORRESPONDENCE**

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