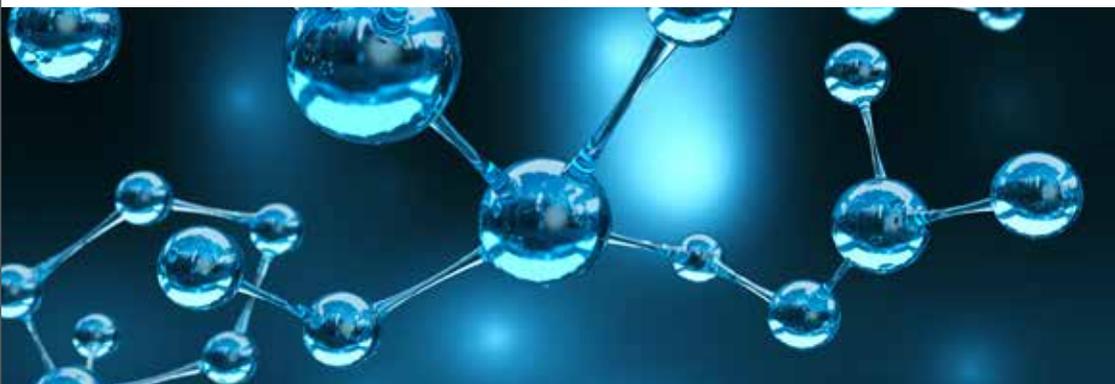


# National Symposium on Polymer Science and Technology: Academia and Industry Perspectives



On the occasion of the 75<sup>th</sup> Birthday of Padma Shri Dr S. Sivaram, our past President and one of the founding figures of The Society for Polymer Science, India.

**6<sup>th</sup> and 7<sup>th</sup> May, 2022**

## Organised by

Somaiya Vidyavihar University,  
Mumbai  
The Society for Polymer Science,  
India - Mumbai Chapter  
Department of Polymer Science,  
S K Somaiya College

## Venue

**Physical - On Campus**  
K J Somaiya College of Engineering,  
Auditorium, Somaiya Vidyavihar  
University, Ghatkopar East,  
Mumbai - 400 077

Sponsors:

## Somaiya Vidyavihar University

Established in 2019, Somaiya Vidyavihar University, Mumbai, is a self-financed university recognised by the University Grants Commission (UGC). Somaiya Vidyavihar, with over six decades of rich experience in building and managing educational institutes of great repute, is the sponsoring body. Operational from Somaiya Vidyavihar University is a place where you can explore new possibilities, pursue your passion and above all, find yourself.

## Department of Polymer Science, S K Somaiya College

The Department of Polymer Science has been offering a post-graduate full-time 2-year Industry-Academia Joint-Taught Programme which aims to provide the student with specialised skills in the polymer field. Taking into account the needs of the industry and the direction of the leading scientific achievements, the course has been designed to capitalise on research strengths. The course focuses on various specialisations of the polymer field and concludes with an independent research project related to these areas.

S K Somaiya College, founded in 2019, is a constituent college of Somaiya Vidyavihar University. It offers diverse educational undergraduate and postgraduate programmes curated and developed by a large number of eminent teachers and experts from the industry who are serving on the statutory academic bodies in various fields.

## About the Society for Polymer Science

The Society for Polymer Science, India (SPSI) has a long and glorious history of over three decades. SPSI functions through ten regional Chapters, namely, Bangalore, Calicut, Chennai, Delhi, Guwahati, Kharagpur, Kolkata, Mumbai, Pune and Thiruvananthapuram. Each Chapter functions independently in organising professional activities for the benefit of Chapter members.

## About the Symposium

The symposium offers opportunities for academicians, researchers, and industrial practitioners in the diverse fields of Polymer Science and Technology to get together, present and discuss the recent academic and industrial innovations.

The symposium spread over two days will feature plenary talks, invited lectures, discussions and deliberations by eminent speakers from Academia and Industry across India. Also planned is a poster session for the participants to showcase their scientific work. There will be best poster awards in 8 different categories. A few abstracts will be selected by the organising committee for oral presentation. The symposium will also consist of an endowment Lecture by the Royal Society of Chemistry. This will give ample opportunity for teachers and students to interact with Leaders of the Academia and Industry.

A special feature of the symposium is a Festschrift Session to commemorate the 75<sup>th</sup> Birthday of Dr S. Sivaram, Ex-Director of National Chemical Laboratory Pune and one of the founding figures of the Society for Polymer Science India, who has contributed significantly to the development of the Polymer Science discipline in India.

## Themes for the Symposium:

Polymer Synthesis and Characterisation

Polyolefins

Rheology and Polymer Processing

New Chemical Processes for Polymer Synthesis

Polymer Additives / Colours / Supramolecular Polymers / Sustainability

## Patron

• **Shri Samir Somaiya**, Chancellor, Somaiya Vidyavihar University Mumbai

## National Organising Committee

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• **Murthy, C. N.**, M. S. University of Baroda, Baroda • **Murthy, Z. V. P.**, SVNIT, Surat  
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• **Vishwanath R. Patil**, University of Mumbai • **Wadgaonkar, P. P.**, CSIR-NCL, Pune  
• **Monica Lodha**, Director, SK Somaiya College • **Pillai, VNR**, Chairman, National Organising Committee

# Local Organising Committee

## Faculty

- Vandana Jamdar • Vaijayanti Ghase • Avadhani, C. V. • Padma S. Vankar • Anant D. Kulkarni
- Daly Davis

## Students

- Vasudeo Nadi • Shrutika Hogale • Rahul Zende • Ananya Rajamanoor

## Former students

- Pratik Dhokare • Cyrus Fernandes • Poonam Gupta • Deepika Lokhande



The Somaiya Vidyavihar campus showing existing and proposed buildings of Somaiya Vidyavihar University and Somaiya Vidyavihar Institutions.

## Speakers and the Title of the Talk

**Dr S Sivaram**

IISER, Pune & Somaiya  
Vidyavihar University, Mumbai

Royal Society of Chemistry (RSC)  
Endowment Lecture

**Prof M M Sharma, FRS**

Institute of Chemical  
Technology, Mumbai

The Wonder and Challenging  
World of Polymers

**Dr R A Mashelkar, FRS**

Former Director General, Council of  
Scientific and Industrial Research,  
New Delhi

Dr S Sivaram: An Epitome of  
Scientific Excellence and Relevance

**Mr Ashwin Dani,**

Chairman, Asian Paints, Mumbai

Felicitation Address for  
Dr S Sivaram

**Prof S Ramakrishnan,**

Indian Institute of Science,  
Bangalore

Architectural Design for Spatial  
Control of Functionality in Polymers

**Dr Ashish K Lele,**

Council of Scientific and Industrial  
Research-National Chemical  
Laboratory, Pune

Anomalous Rheology of Star  
Telechelic Polylactide Ionomer

**Dr Virendrakumar Gupta,**

Reliance Industries Limited, Mumbai

Polyolefin Materials & Catalyst  
Technology: Atmanirbhar Bharat

**Prof Anil Kumar,**

Indian Institute of Technology, Mumbai

Continuous Flow Process: A New Paradigm  
in Process Intensification for Materials and  
Chemicals Manufacturing

**Prof Nikhil K Singha,**

Indian Institute of Technology, Kharagpur

A New Class of Waterborne Epoxy-based  
Fluorescent Adhesive via RAFT Mediated  
Emulsion Polymerisation Using PISA  
technique

**Dr Achala Danait,**

Clariant Chemicals, Mumbai

**Mr Swapan Ray,**

Reliance Industries Limited & Indian  
Centre for Plastics in the Environment,  
Mumbai

Plastics and the Sustainability Paradox

**Dr Prakash Trivedi,**  
Gharda Chemicals, Mumbai

Specialty Thermoplastics: Resins,  
Compounds and Composites

**Prof K Guruswamy,**  
Indian Institute of Technology, Mumbai

Structure Property Relations in  
Regenerated Cellulose Fibers from  
the Viscose and Lyocell processes

**Dr Anubhav Saxena,**  
Pidilite Industries, Mumbai

How to Commercialise a Great Idea?

**Dr A Ajayaghosh,**  
CSIR-National Institute for  
Interdisciplinary Science  
and Technology (NIIST),  
Thiruvananthapuram

Supramolecular Polymers and  
Smart Materials

**Dr Benny K George,**  
Vikram Sarabhai Space Centre,  
Thiruvananthapuram

Polymer Science and Technology:  
Challenges in Space Research

**Prof Sabu Thomas,**  
Mahatma Gandhi University,  
Kottayam

Circular Economy: New Opportunities  
in Sustainable Nano Materials and  
Polymer Bio-Nanocomposites

**Prof K Sreekumar,**  
Cochin University of Science  
and Technology, Cochin

Multifunctional Dendronised/  
Dendritic Polymers as Catalysts  
for Organic Reactions

**Dr Benny George,**  
Rubber Research Institute of  
India, Kottayam

Natural Rubber Production,  
Processing and Recent Research  
Innovations

**Dr Abbas Shaikh,**  
SABIC, Saudi Arabia

Functionalised Chemical Resistant  
Bisphenol A Polycarbonate (BPA PC)

**Prof Bernhard Rieger and  
Dr Claude Bostoen,**  
Dutch Polymer Institute, Eindhoven (NL)

DPI - Shaping Polymer Innovation

**Dr Subarna Shyamroy,**  
Asian Paints, Mumbai

Role of Polymer Edifice  
in Paints and Coatings

## Registration

All participants of the conference must register for the conference. Researchers, scientists, technologies, academicians, executives and professionals from industries, final year PG students are expected to be among the delegates participating in the conference.

### Registration Fees

Faculty / Industry Delegates	₹ 2500/-
Research Scholars	₹ 1500/-
UG/PG Students	No registration fee

### Last Date for Registration and Payment of Fee

Saturday, April 30<sup>th</sup>, 2022 | Spot Registration also available at the venue

### Registration Link

<https://polymerscience-symposium.somaiya.edu/en/register>

### Poster Presentation

Registrants are encouraged publish their scientific work in the poster format which will be brought out as Proceedings.

Kindly submit your abstract in 200 words.

The Poster size will be A0 (33 1/8 x 46 13/16 inches or 841 mm x 1188 mm).

The last date of submission of abstract is Monday, April 25<sup>th</sup>, 2022.

### Bank Details

**Bank Name:** Union Bank of India, Ghatkopar (E), Mumbai

**Account Name:** SPSI-Mumbai Chapter

**Account No:** 058811010000010

**SWIFT Code:** UBININBBGHT

**IFSC:** UBIN 0805882

### Email ID

[symposia@somaiya.edu](mailto:symposia@somaiya.edu)

### Website

<https://polymerscience-symposium.somaiya.edu/en>



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