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SPSI MACRO 2025

18th International Conference on
**POLYMER SCIENCE
AND TECHNOLOGY**

December 15-18, 2025



Organized by:

Indian Institute of Technology (IIT) Kharagpur, India
& The Society for Polymer Science India (SPSI)

Venue:

IIT Kharagpur Research Park, New Town,
Kolkata – 700 135, West Bengal, India



About IIT KGP

Indian Institute of Technology Kharagpur (IIT KGP), established in 1951 at the historic Hijli Detention Camp in West Bengal, is the first and largest of the 23-member IIT family. After a unique beginning from a prison, the Institute has since evolved into a global center of excellence in engineering, technology, and research. This year, IIT KGP is celebrating the glorious Platinum Jubilee of its foundation. Spanning 2,100 acres, the campus offers a peaceful and pollution-free environment, featuring lush greenery, a scenic lake, expansive playgrounds, modern auditoriums, and dedicated residential zones for students, faculty, and staff. Blending India's traditional Gurukul values with

cutting-edge innovation, Apart from the innovative and creative research in basic sciences, IIT Kharagpur also fosters interdisciplinary research in diverse fields such as nanotechnology, biosciences, and energy engineering. The Institute has six academic units of which 61 are subunits, comprising the Departments, Centres, and Schools. The Institute offers degrees like B.Tech., M.Sc., M.Tech., M.B.A., L.L.B., and Ph.D. With about approximately 20,000 residents, including 750 faculty members, 1,000 staff, and 15,000 students, IIT Kharagpur remains a hub of innovation, entrepreneurship, and academic excellence, an institution that captivates love at first sight.

The Society for Polymer Science India (SPSI)

The SPSI started its modest journey at the Department of Polymer Science, Anna University, Madras in 1979. Now it is a premier professional body dedicated to advancing polymer science and technology in India and its head quarter is located in National Chemical Laboratory (NCL), Pune. Affiliated with the International Union of Pure and Applied Chemistry (IUPAC), SPSI plays a key role in fostering global collaborations. By bridging academia and industry, SPSI supports sustainable polymer solutions, addressing healthcare, energy, environmental conservation challenges, and several other demanding sectors. It remains a vital force in shaping India's polymer science landscape.

Established to promote research, education, and industrial applications of polymers, SPSI serves as a platform for scientists, researchers, and industry professionals to exchange knowledge and collaborate. SPSI organizes national and international conferences, workshops, and seminars to discuss the latest advancements in polymer science, including biodegradable polymers, nanocomposites, and innovative advanced materials. The society also encourages researchers through awards, scholarships, and networking opportunities.



Kolkata

Places of Interest in and around Kolkata



About the Conference site:

Formerly known as Calcutta, Kolkata is the capital of West Bengal. It was the capital of British India from 1772 to 1911 before it was shifted to Delhi in 1911. Popularly known as the 'City of Joy', Kolkata is the cultural capital of India. It's a city of film, art, theatre and literature. It's well connected by air to different domestic and International destinations. Kolkata is blessed with abundant serene lakes, famous monuments, beautiful parks and gardens. It is a very touristic place because of several wonderful spots like Victoria Memorial, Howrah Bridge, Botanical Garden, birthplace of Nobel laureate R. N. Tagore, beautiful ECO Park, Mother's Wax Museum, Alipore Zoo, etc. The climate is very pleasant in the month of December with a temperature of 15- 20°C.

About the Conference

Indian Institute of Technology, Kharagpur (IIT KGP), the first and the largest of the 23-member IIT family, is celebrating the Platinum Jubilee of its foundation. The Society of Polymer Science India (SPSI) is a vibrant professional body in the area of Polymeric Materials. The main objective of this SPSI-MACRO-2025

Conference is to bring polymer scientists, engineers, technologists and entrepreneurs under a common platform to discuss the recent advances and innovative technologies in the field of polymers, polymeric and advanced materials.

Thematic Areas

» Advanced Polymer Synthesis and Modification	» Polymers in Space and Defence Applications	» Next-Generation Rubbery Materials & its Composites
» Sustainable Polymers & Processes	» Polymers in Paints, Coatings & Adhesives	» Polymers and Elastomers for Energy & Electronic Applications
» Polymer Physics	» Supramolecular Polymers	» Polymer Waste Management; Recycling, Upcycling & Circular Economy
» Polymer Rheology and Processing	» Polymers in life science	
» Additive Manufacturing in polymers	» Polymer blends and Nanocomposites	
	» Modelling, Simulation and AI/ ML in polymers	

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Sumanda Bandyopadhyay	SABIC, Bangalore
Pradip Maji	IIT Roorkee
Abhijit Bandyopadhyay	University of Calcutta

Important Dates



Registration Fee*

Registration Fees	Early Bird	Non-Early Bird
Indian Academics	INR 6000	INR 7000
Indian Students	INR 3000	INR 4000
Industrial Participant	INR 20000	INR 22000
Overseas Academics	USD 500	550 USD
Overseas Students	USD 250	USD 300
Accompanying Person Indian	INR 2000	INR 2000
Accompanying Person Foreign	USD 150	USD 150

* 18% GST will be added

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1 Stall & 1 Delegate#

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Mini Expo

A Mini Expo will be organized during the Conference. Limited standard stalls (2.5m x 2.5m) will be available.

For the Detailed Information about the Conference and Registration please visit the Weblinks:

🌐 <https://macro2025.in/>

🌐 <https://erp.iitkgp.ac.in/CEP/courses.htm>

Contact us:

Prof. N. K. Singha, Convener

Prof. D. Dhara, Convener

Prof. B. B. Khatua, Convener

✉ macropsi2025@gmail.com

Participating Students can also attend
Pre-Conference Workshop on

14th December, 2025