

Patrons

Dr. K Sivan, Chairman ISRO
Dr. B N Suresh, Chancellor IIST
Shri. S Somanath, Director VSSC
Dr. V K Dadhwal, Director IIST

Advisory Committee

Dr. Y V N Krishna Murthy, Registrar, IIST
Dr. A Chandrasekar, Dean (Academics), IIST
Dr. Raju K George, Dean (R & D), IIST
Dr. Benny K. George, Group Director, ASD, VSSC

Organizing Committee

Dr. Kuruvilla Joseph
Dr. Nirmala Rachel James
Dr. K Prabhakaran
Dr. K Y Sandhya
Dr. N Gomathi
Dr. K G Sreejalekshmi
Dr. J Mary Gladis
Dr. Jobin Cyriac

Important Dates

Registration	: 18 th November 2020 - 30 th November 2020
Abstract submission	: 18 th November - 27 th November 2020
Communication of acceptance of abstracts	: 30 th November
Digital poster submission	: 1 st December - 5 th December 2020

There is no Registration Fee for this Conference.

Best poster awards will be presented in different themes.

For further details, visit the website: <https://events.iist.ac.in/ncmst2020/index.htm>

Convenor

Prof. Kuruvilla Joseph

Co-Convenors

Prof. K. Prabhakaran
Dr. Santhosh Kumar KS (SPSI, TvpM Chapter)

Correspondence

Convenor, NCMST-2020
Department of Chemistry
Indian Institute of Space Science and Technology
Valiamala P.O, Thiruvananthapuram – 695 547
Ph: +91-471-2568541, Fax: +91-471-2568541
Email: ncmst2020@iist.ac.in

100 Years of
Polymer Science

National Conference on Recent Trends in Materials Science and Technology

7th - 9th December 2020



Organized by

Department of Chemistry
Indian Institute of Space Science and Technology
Government of India, Department of Space
Valiamala P.O, Thiruvananthapuram - 695 547, Kerala.



Jointly with

The Society for Polymer Science, India
Trivandrum Chapter



About the Conference

Department of Chemistry, Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram, Kerala, is organizing 'National Conference on Recent Trends in Materials Science and Technology -2020' (NCMST-2020), 8th conference of the NCMST series, during 7-9 December 2020 on virtual platform.

100 Years of Polymer Science

The year 2020 marks the 100th anniversary of a seminal paper published in 1920 by Hermann Staudinger (Über Polymerisation, Ber. Dtsch. Chem. Ges. 1920;53:1073–85) in which he proposed the pioneering hypothesis of the long chain molecular structures, consisting of a large number of covalently linked monomeric units. Polymers have had major role in improving the quality of life in almost all aspects ever since the publication of this article and we thrive in a world that is almost impossible to imagine without synthetic polymers. Commemorating the publication of this article, the field of Polymer Science celebrates 100 years of its existence in 2020. IIST proudly joins the global celebrations by organizing NCMST-2020 with the focal theme Polymer Science and Technology. The conference will discuss on the recent developments in Materials Science and Technology with an emphasis on Polymer Science and allied fields. One full day of the conference will be dedicated to deliberations on seminal contributions by the field of Polymer Science to the advancements in Materials Science and Technology.

The conference consists of plenary and invited lectures by the pioneers in Materials Science and Technology and oral presentations and digital poster presentations by young researchers.

About IIST

Indian Institute of Space Science and Technology (IIST), a Deemed to be University under Section 3 of the UGC Act 1956, functions as an autonomous body under the Department of Space, Government of India and is the first of its kind in the country, to offer high quality education in undergraduate, post-graduate, doctoral and post-doctoral levels in areas relevant to space sciences, space technology and space applications. The institute has the enviable reputation of having had Late Dr A.P.J. Abdul Kalam, the renowned technocrat and former President of India as its very first Chancellor. Dr B.N. Suresh, the founder Director of IIST is the current chancellor of IIST. This green, pollution free institute renders completely free education to its meritorious undergraduate students. IIST faculty members are working in close collaboration with scientists/engineers of DoS/ISRO.

Department of Chemistry

Department of Chemistry offers M.Tech programme in Materials Science and Technology and guides research projects, where strong foundations are laid to facilitate the students to design and develop novel materials and processes to meet future technological challenges. The department also offers courses for B.Tech students. Since its inception, Department of Chemistry has done pioneering research in the field of materials science including polymers, nanomaterials,

biomaterials, smart materials, energy materials, high temperature materials, composites etc. Department of Chemistry has established state of the art research facilities under "Centre for Nanoscience and Energy materials" to facilitate development of novel materials for wide range of applications including sensors, electronics, batteries, supercapacitors, drug delivery etc.

Abstract submission

Abstract not exceeding 200 words can be submitted from 18th to 27th November, 2020. Further details are available in the website www.iist.ac.in/ncmst-2020

Following are the areas of focus

1. **Polymer science and technology**
2. **Smart and functional materials**
3. **Biomaterials**
4. **Energy materials**
5. **Composites and blends**
6. **Materials for optoelectronic applications**
7. **High temperature materials**
8. **Metals and alloys**

Speakers

Dr. Sabu Thomas, MG University, Kottayam
Dr. A Ajayaghosh, CSIR-NIIST, TVPM
Dr. B S Murty, IIT-H
Dr. Chandrabhas Narayana, RGCN, TVPM
Dr. Satish Patil, IISc, Bengaluru
Dr. Nikhil Kumar Singha, IIT-KGP
Dr. P K Khanna, DIAT, Pune
Dr. Suryasarathi Bose, IISc, Bengaluru
Dr. Susanta Banerjee, IIT-KGP
Dr. R S Jayasree, SCTIMST, TVPM
Dr. A R Bhattacharyya, IIT-B
Dr. Anitha Pius, The Gandhigram Rural Institute, Tamil Nadu
Dr. E Bhoje Gowd, CSIR-NIIST, TVPM
Dr. K Y Sandhya, IIST, TVPM
Dr. S V S Narayana Murthy, VSSC, TVPM
Dr. Mahesh Hariharan, IISER TVPM

