

International Conference on Polymeric Materials in Medicine ICPMM 2022

25-26 February 2022



Organized by

Society for Polymer Science India
Thiruvananthapuram Chapter

in association with



**Sree Chitra Tirunal Institute for
Medical Sciences & Technology**
Trivandrum

Virtual Conference

About the Conference

Welcome to the International Conference on Polymeric Materials in Medicine (ICPMM 2022). Polymers found extensive applications in medicine and surgery due to their chemical inertness, non-toxicity, ease of processing and wide range of physical properties. They have been used for replacing human organs, to repair or augment the function of normal organs, as extra corporeal devices and also as single use disposables. The conference will be a forum to discuss the latest developments in the applications of polymers in medicine.

ICPMM 2022 aims to bring the leading polymer researchers and budding polymer scientists together at an international level and provide them an opportunity to share their ideas. We anticipate that ICPMM 2022 will attract participants across the globe and open avenues for collaboration in new areas of research.

ICPMM 2022 will be held from 25 to 26 February 2022 on a virtual platform. This event will host about 10 invited talks by eminent researchers and 35 contributory presentations.

Focal Themes

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| ❶ Polymeric Medical Devices | ❺ Fabrication Technologies - 3D Printing / Electrospinning |
| ❷ Polymers in Drug Delivery, Diagnostics and Biosensing | ❻ Surface Modification |
| ❸ Polymers in Regenerative Medicine and Allied Fields | ❼ Medical Adhesives |
| ❹ Smart Polymers for Medical Applications | ❽ Antiviral Polymers |
| | ❾ Composites and Dental Materials |

About SPSI - Thiruvananthapuram Chapter

The conference is co-organized by **The Society for Polymer Science India - Thiruvananthapuram Chapter** (www.spsitvm.in). The Society for Polymer Science, India, is one of the premier professional societies of the country formed with the intention of promoting research in the field of polymer science and technology and also to provide a forum for interaction among the polymer scientists, engineers and technologists from R&D laboratories, universities and industries across the country. The Thiruvananthapuram Chapter of the Society, formed on 20 January, 1996, strives to help disseminate ideas and facilitates communication among the fellow members by organizing regular meetings, seminars, invited lectures and workshops on scientific and technological advancements and problems in polymer science. The chapter has members from premier institutions like VSSC, IIST, NIIST, SCTIMST, IISER, CUSAT, NPOL, University of Kerala etc., and has about 350 life members.

About SCTIMST

Sree Chitra Tirunal Institute for Medical Sciences & Technology (SCTIMST), Trivandrum played pioneering role in the development of medical devices industry in India. SCTIMST has developed and successfully commercialized a number of biomedical devices and implants, namely, Heart Valve, Blood Bag, Oxygenator, Vascular Graft, Hydrocephalus Shunt, Haemoconcentrator, Dental Composites, Bioactive Composites for Orthopedics and Emily IUS.

During the outbreak of COVID 19 pandemic, SCTIMST developed and commercialized many technologies such as Multiplex RT-PCR kit for SARS CoV2, Universal Transport Medium Kit (UTM kit), Oropharyngeal and Nasopharyngeal swabs and Chitra Acrylosorb Respiratory Secretion Solidification System.

The Biomedical Technology (BMT) Wing of SCTIMST has been engaged in the research and development of medical devices & biomaterials and has built up extensive expertise and facilities for the evaluation of medical devices. Many of its laboratories are accredited by COFRAC, France under ISO/IEC 17025 for the testing of medical devices and materials.

BMT Wing of SCTIMST has been travelling through this arena for over four decades and it recognizes that the expertise and experience gained over these years need to be shared with the medical device industry, the researchers and students.

Invited Speakers



Prof. Ruckmani Kandasamy
BITS, Anna University
Trichirappalli, India



Dr. Narsimha Mamidi
School of Engineering
& Sciences at Tecnológico
de Monterrey, Mexico



Dr. Linh Nguyen
UCL Eastman
Dental Institute
London, UK



Dr. Ognen Pop-Georgievski
Institute of Macromolecular
Chemistry, Czech Republic



Dr. P. Ramesh
SCTIMST
Thiruvananthapuram
India



Dr. Abhishek Sahu
Gwangju Institute of
Science and Technology
(GIST), South Korea



Dr. Michael Schulz
Virginia Tech, USA



Dr. Rithuparna Sinha Roy
IISER Kolkatta, India



Dr. Vinoy Thomas
University of Alabama
at Birmingham, USA



Prof. Sivakumar Vijayaraghavalu
Narayana Medical College
Andhra Pradesh, India

Abstract Submission

Abstracts are invited for contributory presentations. Faculty/Scientists/Students/Researchers interested in delivering contributory talks, in any of the above specified subject areas, may submit their abstracts. All submitted abstracts will be peer reviewed by experts prior to acceptance. Authors of selected abstracts may be required to submit recorded videos (8 minutes duration) of their presentations. After their video presentations, each presenter shall be available for 2 min long live question/answer session. All abstracts will be published in the form of proceedings. Based on the merit 2 presenters will be selected for "ICPMM 2022: Best Contributory Presentation Award".

Abstract format

Authors who wish to submit abstracts may follow the instructions for preparing abstract. The text of the abstract shall not exceed 300 words. It may be prepared in MS Word and send to: icpmm2022@gmail.com. A template for preparing the abstract may be found at the conference page at www.spsitvm.in. For any queries or clarifications, kindly contact the Convener at: icpmm2022@gmail.com.

Registration

All the participants should register for attending ICPMM 2022. Registration fee should be paid through online banking. No registration fee for invited speakers. Account details are provided below.

Registration Fees

Student delegates (Indian)	: INR 500
Student delegates (Foreign)	: USD 50
Regular delegates (Indian)	: INR 1000
Regular delegates (Foreign)	: USD 100
Industry delegates (Indian)	: INR 1500
Industry delegates (Foreign)	: USD 150

For Online Registration Click Here

Bank Details

A/c Name: **SPSI Thiruvananthapuram Chapter**
A/c No. **35852032466**
Bank: **State Bank of India, Thumba (02279)**
IFSC: **SBIN0002279**
Swift Code: **SBININBB486**

E-certificates will be provided to all the participants.

Organizing Committee

Patron: Prof. (Dr.) Ajit Kumar V.K., *Director, SCTIMST, Thiruvananthapuram, India*

Chairman: Dr. Roy Joseph, *SCTIMST, Thiruvananthapuram, India*

Convener: Dr. Renjith S., *SCTIMST, Thiruvananthapuram, India*

Dr. P. R. Harikrishna Varma, *SCTIMST, Thiruvananthapuram, India*

Dr. Benny K. George, *VSSC, Thiruvananthapuram, India*

Dr. Nirmala Rachel James, *IIST, Thiruvananthapuram, India*

Dr. Suresh K.I., *CSIR-NIIST, Thiruvananthapuram, India*

Dr. Lynda V. Thomas, *SCTIMST, Thiruvananthapuram, India*

Dr. Naresh Kasoju, *SCTIMST, Thiruvananthapuram, India*

Dr. Sreejith M., *VSSC, Thiruvananthapuram, India*

Mr. Willi Paul, *SCTIMST, Thiruvananthapuram, India*

Dr. Kuruvilla Joseph, *IIST, Thiruvananthapuram, India*

Dr. E. Bhoje Gowd, *CSIR-NIIST, Thiruvananthapuram, India*

Dr. Manoj Komath, *SCTIMST, Thiruvananthapuram, India*

Dr. Satheesh Chandran M., *VSSC, Thiruvananthapuram, India*

Dr. Shiny Velayudhan, *SCTIMST, Thiruvananthapuram, India*

Dr. Manju S., *SCTIMST, Thiruvananthapuram, India*

Dr. Gijo Raj, *SCTIMST, Thiruvananthapuram, India*

Dr. Francis B. Fernandez, *SCTIMST, Thiruvananthapuram, India*



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Important Dates

Deadline for Submitting Abstracts: 15 January 2022

Acceptance of Abstracts: 01 February 2022

Deadline for Registration: 05 February 2022

Deadline for Submitting Video Presentation: 20 February 2022

Contact

Dr. Renjith S.

Convener, ICPMM 2022

Biomedical Technology Wing

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Medical Sciences & Technology

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