



# GOVERNMENT COLLEGE ATTINGAL

## DEPARTMENT OF POLYMER CHEMISTRY



In association with IQAC &  
Breakthrough Science Society, Thiruvananthapuram Chapter



**Organizes**  
**3-Day National Seminar on**

## Functional Polymers for Material Applications (PolyMAT-2025)

**December 03-05, 2025**  
**ORICE Hall, Government College Attingal**

**Sponsored by**



**Directorate of Collegiate Education, Govt. of Kerala**



*"Nothing in life is to be feared,  
it is only to be understood"*





Advanced functional polymers are successfully being implemented in vast areas of material applications. Keeping in mind the enormous potential of development and huge application, Department of Polymer Chemistry, Government College, Attingal organizes a Three-Day National Seminar on “**Functional Polymers for Material Applications (PolyMAT-2025)**” from December 03-05, 2025. The conference targeted to bring together people with shared interests in functional and hybrid polymeric materials and create a cross disciplinary summit that transcends departmental, institutional, industrial, public and private research organizational and global barriers and lend itself to the integration of research and education in the vital field of advanced polymeric materials.

All are cordially invited.

**Dr. Muhammed Arif M.**  
Principal

**Dr. Sumi V. S.**  
Head, Dept. of Polymer Chemistry

**Dr. Archana V. P.**  
Coordinator

**For Registration:**

<https://forms.gle/TBLydTseMDFXZtLM7>



**Registration is FREE for all participants**

**Important dates to remember**

**Deadline for the Registration : 30.11.2025, 5.00 PM IST**

**Deadline for abstract submission: 20.11.2025, 5.00 PM IST**

**Abstracts may be sent to [polymerchemistry@gca.ac.in](mailto:polymerchemistry@gca.ac.in)**

**For more details, contact us: +919061083837, +918547135746**

**Organizing Committee:**

**Dr. Archana V. P., Assistant Professor, Dept. of Polymer Chemistry, GCA (Coordinator)**

**Dr. Sumi V. S., Associate Professor and Head, Dept. of Polymer Chemistry, GCA**

**Ms. Prabha J., Assistant Professor, Dept. of Polymer Chemistry, GCA**

**Ms. Thushara R., Assistant Professor, Dept. of Polymer Chemistry, GCA**

**Dr. Bhagyasree J. B., Assistant Professor, Dept. of Polymer Chemistry, GCA**

**Dr. Soumya S., Assistant Professor, Dept. of Polymer Chemistry, GCA**

**Dr. Adarsh N., Assistant Professor, Dept. of Polymer Chemistry, GCA**





# PROGRAMME

**Day 1: December 03, 2025 (Wednesday)**

**9.30 AM : Registration**

**10.00 AM: Inaugural Ceremony**

**10.20 AM: Honoring the Mentors**

**10.30 AM: TEA BREAK**

**10.45 AM - 11.45 AM:**

**Session 1: Inaugural Lecture (Invited Talk 1)**

**Dr. Hareesh U. S.**

*Chief Scientist & Head, Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram.*

**“Polymer Chemistry in Sustainable Development”**



**11.45 AM - 12.45 PM:**

**Session 2: Invited Talk 2**

**Dr. Mary Gladis J.**

*Professor, Department of Chemistry, Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram.*

**“Advanced Materials for Emerging Battery Technologies”**



**12.45 PM - 1.30 PM: LUNCH BREAK**

**1.30 PM - 2.30 PM:**

**Session 3: Invited Talk 3**

**Dr. Renjith S.**

*Scientist 'C', Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram.*

**“Polymeric Medical Devices: Development and Evaluation”**



**2.30 PM: TEA BREAK**

**2.45 PM - 3.45 PM:**

**Session 4: Invited Talk 4**

**Dr. Sandeep K.**

*Assistant Professor of Chemistry, Government Victoria College Palakkad*

**“The Bright Side of Lead Halide Perovskites: How Structure and Solvents Shape Light Reactions”**





## Day 2: December 04, 2025 (Thursday)

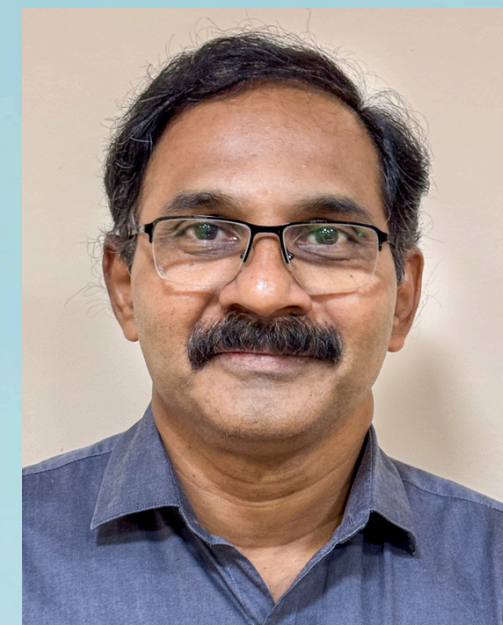
10.00 AM - 11.00 AM:

### Session 5: Special Seminar (Invited Talk 5)

**Dr. Rajeevan P. P.**

*Professor, Department of Avionics, Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram.*

**“How Science Learned to Learn: The Evolution of Scientific Method”**



## 11.00 AM: TEA BREAK

11.15 AM - 12.15 PM:

### Session 6: Invited Talk 6

**Dr. K. Anoop Krishnan**

*Scientist E, National Centre for Earth Science Studies (NCESS), Thiruvananthapuram.*

**“Fluoride in Drinking Water: Remediation Strategies using Advanced Materials”**



## 12.30 PM - 1.30 PM: LUNCH BREAK

1.30 PM - 2.30 PM:

### Session 7: Invited Talk 7

**Dr. Anees Palapuravan**

*Assistant professor, Department of Chemistry, Indian Institute of Science Education and Research (IISER), Tirupati.*

**“DNA Nanodevices: Bioinspired Polymer Systems for Illuminating Life Processes”**



## 2.30 PM: TEA BREAK

2.45 PM - 3.45 PM:

### Session 8: Invited Talk 8

**Dr. Rethesh K.**

*Assistant professor, Department of Chemistry, Government College for Women, Thiruvananthapuram.*

**“Engineering Helical Supramolecular Polymer Networks through Programmable Dynamic Host-Guest Interactions”**



Short Oral Presentations will be held in parallel at the Venue 2 (Smart Class Room, Department of Polymer Chemistry)



## Day 3: December 05 (Friday)

10.00 AM - 11.00 AM:

### Session 9: Invited Talk 9

**Dr. Kalaivanan Nagarajan**

*Assistant Professor, Department of Chemical Sciences, Tata Institute of Fundamental Research (TIFR), Mumbai.*

**“Optical Spectroscopy and Photophysics of Organic Molecules”**



11.00 AM: TEA BREAK

11.15 AM - 12.15 PM:

### Session 10: Invited Talk 10

**Dr. Jubi John**

*Principal Scientist, Chemical Sciences and Technology Division, CSIR-NIIST, Thiruvananthapuram*

**“Viruses, Viral Diseases and Antivirals: An Expedition”**



12.30 PM - 1.30 PM: LUNCH BREAK

1.30 PM - 2.30 PM:

### Session 11: Invited Talk 11

**Dr. Vedhanarayanan B.**

*Assistant Professor, Department of Chemistry, SRM Institute of Science and Technology, Chennai.*

**“Functional Organic Polymers and 2D Hybrids for Energy Conversion and Storage Applications”**



2.30 PM: TEA BREAK

2.30 PM - 3.00 PM: Poster Presentations for Students

**3.00 PM: Valedictory Function**



A comprehensive exhibition about the “**Life and struggles of Marie Curie**” will be held at the Polymer Chemistry Atrium during the Conference days, organized by Breakthrough Science Society, Thiruvananthapuram Chapter



Team Polymer Chemistry