



Commemorating 100 years of Polymer Science

**National Webinar on
'Polymers – A Century of Advancement'**

Organized by

Centre for Nanoscience & Technology,

Amal Jyothi College of Engineering, Kanjirappally, Kerala



Programme Schedule (10 & 11 July 2020, 9.15 am to 4.00 pm)

Meeting link: <https://us02web.zoom.us/j/87440363318?pwd=eUsvc01CZithdTBSN1E2eE0zc0xtUT09>

Password: [898989](#)

PL – Plenary Lecture, KL – Keynote Lecture, IL – Invited Lecture, SIL – Short invited Lecture

PL – 50 minutes for presentation & 10 minutes for discussion

KL - 40 minutes for presentation & 5 minutes for discussion

IL - 25 minutes for presentation & 5 minutes for discussion

SIL - 12 minutes for presentation & 3 minutes for discussion

Day 1 – 10 July 2020, Friday

9.15 am – 9.30 am		<p><u>Inaugural Session:</u></p> <p>Welcome Address :</p> <p>Dr. Z V Lakaparampil, Principal, Amal Jyothi College of Engineering, Kanjirappaly, Kerala</p> <p>Presidential Address :</p> <p>Rev . Dr. Mathew Paikatt, Manager Amal Jyothi College of Engineering, Kanjirappaly, Kerala</p> <p>Overview of the webinar:</p> <p>Dr. Soney C George, Director & Dean Centre for Nanoscience & Technology, Amal Jyothi College of Engineering, Kanjirappally, Kerala</p>	
9.30 am–10.30 am	PL 1	<p>Inauguration & Plenary Lecture</p> <p>Prof (Dr) Sabu Thomas, Vice Chancellor, Mahatma Gandhi University, Kottayam, Kerala</p>	Evolution of Macromolecular Science
10.30 am–11.15 am	<u>KL1</u>	<p>Dr. Kuruvila Joseph Senior Professor & Dean, Department of Chemistry, IIST Trivandrum</p>	Advances in Polymer composites
11.15am – 12.00pm	<u>KL 2</u>	<p>Prof. Mainak Ghosal Jt. Secretary,Coal Ash Institute of India, IEST,Shibpur</p>	Effect of Polymers in Cement Concrete Behaviors

12.00pm – 12.45pm	<u>KL 3</u>	Prof.Nand Lal Singh Professor of Physics, M.S.University of Baroda, Vadodara	Effect of swift heavy ion irradiation on optical, structural and dielectric properties of polymer/ polymer nanocomposites
12.45 pm– 1.00pm	<u>SIL1</u>	Surinder Singh Assistant Professor, Dr. S S B UICET, Panjab University , Chandigarh	Conducting polymers for toxic pollutants sensing applications
1.00pm – 1.15pm	<u>SIL2</u>	B D S Deeraj IIST Trivandrum, Kerala	Electrospun Polymeric fibers as Effective Strength-Toughness Balancers in Epoxy Composites
1.15pm – 2.00pm	Break		
2.00pm – 2.30pm	<u>IL 1</u>	Deepa K Baby DBSH,Rajagiri School of Engineering and Technology, Kakkaad, Kerala	Chitosan and chitosan derivatives in Biomedical application:Drug delivery
2.30pm – 3.00pm	<u>IL 2</u>	Dr. Vijesh A M Payyanur College, Kerala	Polymeric Membranes for Separation Processes
3.00pm – 3.15pm	<u>SIL3</u>	Jitha S Jayan Department of Chemistry, Amrita Vishwa Vidyapeetham, Amritapuri, Kerala	Block copolymers decorated nanoparticles as potential reinforcing agent for epoxy
3.15pm – 3.30pm	<u>SIL4</u>	Chandresh MP SJCE, JSSSTU, Mysuru	Green Filler to Partially Replace Carbon Black in Tyre Tread Rubber Compound
3.30pm – 3.45pm	<u>SIL5</u>	Arya Ajeev Thrissur Kerala	Ultra high sensitive carbon infused conducting rubber for wearable and flexible human-machine intelligence

			sensing
3.45pm – 4.00pm	SIL6	Jesly Joseph Thrissur, Kerala	Patterning and chemical etching of su-8 photoresist using sacrificial layer for electronic applications"
End – Day 1			

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Day 2 – 11 July 2020, Saturday

9.30 am–10.15 am	KL 4	Dr.P.Ramesh Babu S.K.P.Government Degree College, Guntakal, Andhra Pradesh	Biomedical Applications and Synthetic Biodegradable Polymers
10.15am – 11.00am	KL 5	Dr. Lucky Krishnia Assistant Professor, Amity University Haryana	Activated Carbon based Field emitter
11.00am – 11.30am	IL3	Dr. Ranimol Stephen St. Joseph's College (Autonomous), Devagiri, Calicut, Kerala	Effect of cage structured poss on the gas transport properties of Poly(vinylalcohol) membranes
11.30am – 12.00pm	IL4	Ragin Ramdas M DBSH, Rajagiri School of Engineering and Technology, Kakkanad	Synthesis and Characterization of Tunable Shape Memory Polytriazoles

12.00pm – 12.30pm	IL5	B Suresha Mananthody, Vidyaranyapuram, Mysore	Fiber and fillers role on adhesive and abrasive wear of polymeric composites
12.30pm – 12.45pm	SIL7	Vishnu Prasad Mechanical Engineering Department, National Institute of Technology Calicut, Kerala	Mechanical characterization of nano TiO ₂ added flax fibre reinforced epoxy composites for automotive door panel applications
12.45pm – 1.00pm	SIL8	Mahendra Kumar S JSS Science and Technology University, Mysuru	Design and development of nitrosamine free compound for eco friendly automotive tube
1.00pm – 1.15pm	SIL9	Dr. Ann Rose Abraham Kerala	Artificial Hybrid Multiferroic Nanostructures for Tailored Applications
1.15pm – 2.00pm	Break		
2.00pm – 2.30pm	IL6	Dr.R.Premila Tamilnadu	Ionic conductivity and Thermal studies of PVAc/PEMA GEL POLYMER BLEND ELECTROLYTES FOR LITHIUM ion battery Applications
2.30pm – 2.50pm	IL7	Dr. Grace Moni Government polytechnic college, Vandiperiyar, Kerala	Graphene Based Fluoroelastomer Nanocomposites: A comparative Study

2.50pm – 3.10pm	IL8	Dr. Jiji Abraham Vimala College Thrissur, Kerala, India	MWCNT reinforced polymer composites for EMI shielding applications
3.10pm-3.20pm	SIL10	Sarath PS, Research Scholar Centre for Nanoscience & Technology Amal Jyothi College of Engineering Kerala	Tribological behavior of Silicone rubber composites
3.20pm-3.30pm	SIL11	Sreelekshmi Rajeevan , Research Scholar Centre for Nanoscience & Technology Amal Jyothi College of Engineering Kerala	Electrochemical studies of PVDF/Graphite Composites
3.30pm-4.00pm	Concluding Remarks : Dr Thomasukutty Jose, Organizing Secretary, Polymers – A Century of Advancement.		