



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Day 0: Saturday, 9 December, 2023	
10:00- 16:00	Pre-conference Workshop on Polymer-based Additive Manufacturing (For student participants)
19:00- 21:30	Inaugural Dinner
Day-1, Sunday, 10 December 2023	
Venue: Bhupen Hazarika Auditorium, IIT Guwahati	
8:00-09:00	Registration
9:00-9:45	Conference Inauguration
Session-1: Chair: Prof. Anil Kumar, IIT Bombay	
9:45-10:30	Dr. S. Sivaram Endowment Lecture: Prof. Stefan Mecking, University of Konstanz, Germany Recyclable and Degradable Polyethylene-Like Material Enabled by Catalytic Methods
10:30-11:15	PL-1: Prof. Sanjay Rastogi, KAUST Saudi Arabia Equilibration of Non-Equilibrium Polymer Melt, Implications on Physical and Mechanical Properties
11:15 – 11:45	Tea Break
Session-2: Chair: Prof. S. Ramakrishnan, IISc Bangalore	
11:45 – 12:15	Prof. Santappa Award Lecture 1: Prof. Susanta Banerjee, IIT Kharagpur High-Performance Fluorinated Polymers and Membranes Thereof for Clean Energy
12:15 - 12:45	Prof. Santappa Award Lecture 2: Prof. Suhrit Ghosh, IACS Kolkata Molecular Recognition Driven Controlled Supramolecular Polymerization
12:45 – 13:15	Dr. K.H. Gharda Industrial Innovation Award Lecture: Dr. Anuya Nisal and Team (Serigen-Mediproducs, Pvt. Ltd.) Natural Silk-Based High-Strength Porous Materials for Bone Repair
13:15 – 14:15	Lunch



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Day-1, Sunday, 10 December 2023				
Time	Hall-1	Hall-2	Hall-3	Hall-4
	Session-3	Session-4	Session-5	Session-6
	Advanced Polymer Synthesis-I	Supramolecular Polymers	Polymer Nanostructures and Nanocomposites	Polymers for Biomedical Applications-I
	Chair: Prof. S. Ramakrishnan, IISc Bangalore	Chair: Prof. Veena Choudhary	Chair: Prof. Ashok Kumar Dasmahapatra IIT Guwahati	Chair: Prof. Sangamesh G. Kumbar UConn Health Center, USA
14:15-14:40	KL-1 Dr. Samir H. Chikkali, NCL Pune	KL-2 Prof. Nikhil Kumar Singha IIT Kharagpur		KL-4 Prof. Sanjeeva Murthy Rutgers University, USA
14:40-15:00	IL-1 Dr. Sanjib Banerjee IIT Bhilai	IL-2 Dr. Goutam Ghosh CeNS, Bangalore	IL-3 Dr. Farsa Ram University of Chicago, USA	IL-4 Prof. Chandra S. Sharma IIT Hyderabad
15:00-15:20	IL-5 Prof. Priyadarshi De IISER Kolkata	IL-6 Dr. Priyadarshi Chakraborty IIT Hyderabad	IL-7 Dr. Subhash Mandal DMSRDE Kanpur	IL-8 Prof. Raja Shunmugam IISER Kolkata
15:20-15:30	OP-1 Bhanendra Sahu	OP-2 Akshay Thorat	OP-3 Mini Mol Menamparabath	OP-4 Sulagna Bhattacharjee
15:30-15:40	OP-5 Parshuram Kambale	OP-6 Vidyalakshmi D	OP-7 Santanu Basak	OP-8 Manju Saraswathy
15:40-15:50	OP-9 Yogesh Patil	OP-10 Neha	OP-11 Rajesh Pandit	OP-12 Ibrahim Bargathulla



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



14:15- 16:45	Indo- Nepal Symposium
15:50-17:30	Poster Session (Poster no. PP-1 - PP-105) and Tea break
17:00-17:45	AGM (SPSI)
	Session-7: Chair: Prof. S. Sivaram, Ex-Director, NCL Pune Venue: Bhupen Hazarika Auditorium, IIT Guwahati
17:45-19:00	Panel Discussion: Research Education in Polymer Science – Future Roadmap
19:00-22:00	Cultural Programme and Conference Dinner



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Time	Indo-Nepal Symposium Venue: Mini Auditorium
	Chair: Prof. Shinichi Sakurai, KIT Japan and Prof. Rameshwar Adhikari, TU Nepal
14:15-14:40	Guest Lecture-1: Prof. Jeng- Ywan Jeng, NTUST Taiwan Advancing Additive Manufacturing Through Innovations in Large Area Liquid Crystal Display (LCD) Vat Photopolymerization
14:40-15:05	Guest Lecture-2: Prof. Abhijit Patra, IISER Bhopal Controlling Molecular Self Assembly for Task Specific Nanoporous Organic Polymers
15:05-15:25	Special Lecture-1: Prof. Balaji Iyer Vaidyanathan Shantha, IIT Hyderabad Multiscale Modeling and Simulations Particle Polymer Hybrid Materials
15:25-15:45	Special Lecture-2: Dr. Jyoti Giri, TU Nepal Characterization of LDPE Plastic Waste Recycled Composites Fabricated with Lantana camara Char and Saw Dust for Various Applications
15:45-16:05	Special Lecture-3: Dr. Rajesh Pandit, TU Nepal Morphological and Mechanical Properties of Bamboo Culms
16:05-16:15	Young Researcher's Presentation-1: Deepshikha Karki, TU Nepal Investigations into Gajal Soot Obtained from Natural Oil and Fibers
16:15-16:25	Young Researcher's Presentation-1: Paudel Palpa, TU Nepal Zinc Oxide Nanoparticles' Anti-Cancer Activity in Photodynamic Therapy
16:25- 16:35	Young Researcher's Presentation-2: N. K. Parajuli, TU Nepal Fabric Dyeing Using Natural Dyes and Mordants
16:35- 16:45	Young Researcher's Presentation-3: M. Pasawan, NTUT, Taiwan Development of green ceramic membranes from waste coal fly ash and bottom fly ash waste via stereolithography technique



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Day-2, Monday, 11 December 2023	
Venue: Bhupen Hazarika Auditorium, IIT Guwahati	
Session-8: Chair: Prof. Anup K. Ghosh, IIT Delhi	
9:00-9:45	PL-2: Prof. Subi Jacob George, JNCASR Bengaluru Structural Control on Supramolecular Polymers
9:45-10:15	Prof. Kishore Memorial Award Lecture-1: Prof. Leena Nebhani, IIT Delhi Synthetic Strategies to Attain Polymer Functionalized Particles and Catalytic Porous Polymer Particles
10:15-10:45	Prof. Kishore Memorial Award Lecture-2: Prof. Ashish Pal, INST Mohali Functional Peptide-Polymer Conjugates for Stereoselective Enhancement of Chiroptical Properties
10:45-11:00	Tea Break



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Day-2, Monday, 11 December 2023

	Hall-1	Hall-2	Hall-3	Hall-4
	Session-9	Session-10	Session-11	Session-12
Time	Advanced Polymer Synthesis-II	Polymers in Energy Applications-I	Biodegradable Polymers-I	Functional and Smart Biomaterials-I
	Chair: Prof. M. Jayakannan IISER Pune	Chair: Prof. Chyi-How Lay Feng Chia University, Taiwan	Chair: Dr. Asha Syamakumari CSIR-NCL Pune	Chair: Prof. Shinichi Sakurai Kyoto Institute of Technology, Japan
11:00-11:25	KL-5 Prof. Tarun K. Mandal, IACS Kolkata	KL-6 Dr. G. Unnikrishnan NIT Calicut	KL-7 Dr. Bhoje Gowd E. CSIR-NIIST, Thiruvananthapuram	KL-8 Prof. Suryasarathi Bose IISc Bangalore
11:25-11:45	IL-9 Dr. Dario Romano KAUST, Saudi Arabia	IL-10 Prof. Sudip Malik IACS Kolkata	IL-11 Dr. Vivek Verma IIT Kanpur	IL-12 Dr. Dibyendu Sekhar Bag DMSRDE, Kanpur
11:45-12:05	IL-13 Dr. Debasis Samanta CSIR-CLRI, Chennai	IL-14 Dr. K. Krishnamoorthy CSIR-NCL Pune	IL-15 Dr. Prodyut Dhar IIT(BHU)	IL-16 Prof. Kanagaraj S. IIT Guwahati
12:05-12:25	IL-17 Dr. Swapnali Hazarika CSIR-NEIST, Jorhat	IL-18 Prof. Tushar Jana University of Hyderabad	IL-19 Prof. Sampa Saha IIT Delhi	IL-20 Dr. Vikram Singh CSIR-CIMFR, Dhanbad
12:25-12:35	OP-13 Radha Sachan	OP-14 Anusha Kadimisetti	OP-15 Shubham Pant	OP-16 Devleena Bose
12:35-12:45	OP-17 Gorakh Ghuge	OP-18 Dhruba P. Chatterjee	OP-19 Akhila N S	OP-20 Dipanjana Patra



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



12:45-12:55	OP-21 Uddhab Kalita	OP-22 Bhanupriya Das	OP-23 Vishalakshi Badalamoole	OP-24 Harpreet Singh
12:55-13:05	OP-25 Monikangkana Talukdar	OP-26 Mayuri Srivastava	OP-27 Kanagaraj S.	OP-28 Jit Sarkar
13:05-14:15	Lunch			
Time	Hall-1	Hall-2	Hall-3	Hall-4
	Session-13	Session-14	Session-15	Session-16
	Functional and Smart Biomaterials-II	Biodegradable Polymers-II	Polymers for Biomedical Applications-II	Advances in Polymers-I
	Chair: Prof. Christine Jerome University of Liege, Belgium	Chair: Prof. Pravindra Kumar IIT Kharagpur	Chair: Prof. Biman B. Mandal IIT Guwahati	Chair: Prof. Priyadarshi De IISER Kolkata
14:15-14:40	KL-9 Prof. Sunil K. Sharma, Delhi University	KL-10 Prof. Vijay Rangari Tuskegee University	KL-11 Prof. Neil Cameron Monash University, Australia	KL-12 Dr. Asha Syamakumari CSIR-NCL Pune
14:40-15:00	IL-21 Dr. Ashootosh Ambade, CSIR-NCL, Pune	IL-22 Dr. Hironori Marubayashi, Kyoto Institute of Technology Japan	IL-23 Prof. Sangamesh G. Kumbar, UConn Health Center, USA	IL-24 Prof. Biplap Kuila IIT (BHU)
15:00-15:20	IL-25 Prof. Utpal Bora IIT Guwahati	IL-26 Prof. Rameshwar Adhikari Tribhuvan University Nepal	IL-27 Dr. G. Krishnamoorthy MCAS, Tamil Nadu	IL-28 Dr. Vijayakumar Chakkooth, CSIR-NIIST, Thiruvananthapuram
15:20-15:30	OP-29 Paramjeet Yadav	OP-30 Sagar Bag	OP-31 Sudip Mukherjee	OP-32 Pankaj Baruah



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



15:30-15:40	OP-33 Debasish Nath	OP-34 Shibam Pal	OP-35 Arbind Prasad	OP-36 Souradeep Ghosh
15:40-15:50	OP-37 Deepjyoti Basumatary	OP-38 Vinothkumar D	OP-39 Shahidkhan Pathan	OP-40 Dipanjan Giri
15:50-16:00	OP-41 Somdatta Rudra	OP-42: Aswathy N R	OP-43 Kuhelika Das	OP-44 Sandeep Kumar Sahoo
16:00-16:10	OP-45 Tanushri Banerjee	OP-46 Kartik R	OP-47 Athira M	OP-48 Parthiv Trivedi
16:10-16:20	OP-49 Jayanta Nanda	OP-50 Arunava Dutta	OP-51 Atish Nag	OP-52 Parul Shukla
16:20-18:00	Tea Break and Poster Session (Poster no. PP-106 – PP-210)			
18:00-18:30	Springer Workshop (Hall-2)			
18:30-19:30	Cultural Programme at Bhupen Hazarika Auditorium			
19:30-21:30	Conference Dinner			



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Day-3, Tuesday, 12 December 2023				
Venue: Bhupen Hazarika Auditorium, IIT Guwahati				
	Session-17: Chair: Dr. S. Sivaram			
9:00-9:45	Dr. S. R. Palit Memorial Lecture: S. Thayumanavan, University of Massachusetts, Amherst Reactive Self-Assembly of Polymers and Proteins for Therapeutic Applications			
9:45-10:30	PL-3: Prof. M. Jayakannan, IISER Pune Biodegradable Macromolecular Architectures for Biomedical Applications			
10:30-11:15	PL-4: Prof. Yves Gnanou, KAUST, Saudi Arabia Polycarbonate based Copolymers as Effective and Attractive Substitutes for Polyolefins			
11:15-11:45	Tea Break			
Time	Hall-1	Hall-2	Hall-3	Hall-4
	Session-18	Session-19	Session-20	Session-21
	Polymer Modelling and Simulation	Polymer Packaging	Advances in Polymers-II	Polymers in Energy Applications-II
	Chair: Dr. Amit Kumar IIT Guwahati	Chair: Dr. Bhoje Gowd E. CSIR-NIIST, Thiruvananthapuram	Chair: Prof. Jun-Ichi Horinaka Kyoto University, Japan	Chair: Prof. P. K Iyer IIT Guwahati
11:45-12:10	KL-13 Prof. Upendra Natarajan IIT Madras	KL-14 Prof. Hajime Nakajima Kyoto Institute of Technology, Japan	KL-15 Prof. Pralay Maiti, IIT(BHU)	KL-16 Prof. Arun K. Nandi IACS Kolkata
12:10-12:30	IL-29 Prof. Balaji Iyer Vaidyanathan Shantha IIT Hyderabad	IL-30 Dr. Bindu CIFT, Kochi	IL-31 Dr. Kl Suresh CSIR-NIIST, Thiruvananthapuram	IL-32 Dr. Joshy Joseph, CSIR-NIIST, Trivandrum



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



12:30-12:50	IL-33 Prof. Gaurav Manik IIT Roorkee	IL-34 Dr. P. Aruna CSIR-IICT Hyderabad	IL-35 Prof. Dibakar Dhara IIT Kharagpur	IL-36 Dr. Sujay Chattopadhyaya IIT Roorkee
12:50-13:00	OP-53 Laxmi	OP-54 Tabli Ghosh	OP-55 Ankan Sarkar	OP-56 Uma Chatterjee
13:00-13:10	OP-57 Gangotree Rai	OP-58 Vikrant Bodana	OP-59 Medha Surendranath	OP-60 Lyric F
13:10-13:20	OP-61 Sharanya Alluri	OP-62 Tuhin Bhattacharjee	OP-63 Subin Kc	OP-64 Imran Hussain
13:20-14:30	Lunch			
Time	Hall-1	Hall-2	Hall-3	Hall-4
	Session-22	Session-23	Session-24	Session-25
	Polymer Recycling	Polymer Degradation and Stability	Polymer Rheology	Polymer Nanostructures
	Chair: Dr. Dibyendu Sekhar Bag DMSRDE, Kanpur	Chair: Prof. Rameshwar Adhikari Tribhuvan University, Nepal	Chair: S. Thayumanavan University of Massachusetts, Amherst	Chair: Prof. Shigeru Okamoto Nagoya Institute of Technology, Japan
14:30-14:55	KL-17 Dr. Smita Mohanty CIPET Bhubaneswar	KL-18 Prof. Pravindra Kumar IIT Roorkee	KL-19 Prof. Christine Jerome University of Liege, Belgium	KL-20 Prof. Sabu Thomas, Mahatma Gandhi University, Kerala



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



14:55-15:15	IL-37 Dr. Sukanya Satapathy CSIR-IICT, Telangana	IL-38 Dr. Naba Kumar Kalita KTH Royal Institute of Technology, Sweden	IL-39 Prof. Kamendra P. Sharma IIT Bombay	IL-40 Prof. Sidhharth Sirohi University of Delhi
15:15-15:35	IL-41 Dr. S. B. Idage CSIR-NCL, Pune	IL-42 Dr. Ajeet Kumar IIT Guwahati	IL-43 Dr. Shib Shankar Banerjee IIT Delhi	IL-44 Dr. Titash Mondal IIT Kharagpur
15:35-15:55	IL-45 Dr. Utai Meekum Suranaree University of Technology, Thailand	IL-46 Dr. Rathna GVN CSIR-NCL Pune	IL-47 Dr. Raj Kumar Roy IISER Mohali	IL-48 Dr. Sravendra Rana UPES, Dehradun
15:55-16:05	OP-65 Harshad R. Patil	OP-66 Karthikeyan Sathrugnan	OP-67 Praveen Karebasannanavar Ramachandrappa	OP-68 Akuleti Saikumar
16:05-16:15	OP-69 Aaditya Pandey	OP-70 Nilanjan Mukherjee	OP-71 Moumita Sasmal	OP-72 Banalata Kaibarta
16:15-16:25	OP-73 Punugupati Neelambaram	OP-74 Sachin Kuriachan E	OP-75 Gopal Kumar Gautam	OP-76: Govind Kumar Sharma
16:25-16:35	OP-77 Kishore Khopade	OP-78 Smruti B Bhatt	OP-79 Vedant Joshi	OP-80 Abhishek Verma
16:35-16:45	OP-81 Balendu Shekhar Giri	OP-82 Sambit Roy	OP-83 Anant D. Kulkarni	OP-84 Doli Hazarika
16:45-16:55	OP-85 Rohit Rai	OP-86 Vaibhav Darekar	OP-87 Shailesh Nagarakar	OP-88 Vasi Shaikh
17:00-18:30	Tea and Poster Session (Poster no. PP-211 – PP-305) at Conference Centre Lobby			
18:30-19:30	Cultural Programme at Bhupen Hazarika Auditorium			
19:30-21:30	Conference Dinner			



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Day-4, Wednesday, 13 December 2023				
Venue: Bhupen Hazarika Auditorium, IIT Guwahati				
Time	Session-26: Chair: Prof. Susanta Banerjee, IIT Kharagpur			
9:00-9:45	PL-5: Prof. Shinichi Sakurai, Kyoto Institute of Technology, Japan Strain-Induced Crystallization on Natural Rubber			
9:45-10:30	PL-6: Prof. Kana Sureshan, IISER Thiruvananthapuram Two Structurally Different Polymers from a Monomer			
10:30-10:50	Tea Break			
Time	Hall-1	Hall-2	Hall-3	Hall-4
	Session-27	Session-28	Session-29	Session-30
	Advances in Polymers-III	Polymer Coatings and Surface Functionalization	Polymer Architecture	Advanced Polymer Synthesis-III
	Chair: Prof. Kana Sureshan IISER Thiruvananthapuram	Chair: Prof. Stefan Mecking University of Konstanz, Germany	Chair: Prof. Pralay Maiti IIT(BHU)	Chair: Prof. Gaurav Manik IIT Roorkee
10:50-11:20	KL-21 Prof. Anil Kumar IIT Bombay	KL-22 Prof. S. Ramakrishnan IISc Bangalore	KL-23 Prof. Abhijit Patra IISER Bhopal	KL-24 Prof. Sagar Pal IIT (ISM) Dhanbad
11:20-11:40	IL-49 Prof. Bimlesh Lochab Shiv Nadar University	IL-50 Dr. Anindita Das IACS Kolkata	IL-51 Prof. Parbati Biswas University of Delhi	IL-52 Dr. Ujendra Kumar Komal IIT Guwahati
11:40-12:00	IL-53 Dr. Hari Sharan Adhikari, Tribhuvan University, Nepal	IL-54 Dr. Murugan E. University of Madras	IL-55 Dr. Sushanta Sethi IIT Dharwad	IL-56 Dr. Pavan K. Kancharla IIT Guwahati



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



12:00-12:20	IL-57 Prof. Santanu Chattopadhyay IIT Kharagpur	IL-58 Dr. Suman Kalyan Samanta IIT Kharagpur	IL-59 Dr. Rohidas Arote Jain University, Banglore	IL-60 Dr. Poonam Kumari IIT Guwahati
12:20-12:40	IL-61 Prof. Chyi-How Lay Feng Chia University, Taiwan	IL-62 Dr. Ketan Patel CSIR-CSMCRI Bhavnagar	IL-63 Arindam Kundagrami IISER Kolkata	IL-64 Prof. S.T Mhaske ICT Mumbai
12:40-12:50	OP-89 Srikanth Billa	OP-90 Rajan Kumar	OP-91 Nikhil Dhore	OP-92 Runa Runa
12:50-13:00	OP-93 Tonmoi Hazarika	OP-94 Theerdha V. Nair	OP-95 Ujjal Halder	OP-96 Ayan Jati
13:00-13:10	OP-97 Balaji Krishnasamy	OP-98 Pankaj Kumar	OP-99 Rajkumar Birajdar	OP-100 Krishna Dan
13:10-13:20	OP-101 Ananda Basak	OP-102 Ermiya Prasad Paradhakshina	OP-103 Nitin Bapurao Basutkar	OP-104 Bhawna Sharma
13:20-14:30	Lunch			
Time	Hall-1	Hall-2	Hall-3	Hall-4
	Session-31 Advances in Polymers-IV	Session-32 Advances in Polymers-V	Session-33 Advances in Polymers-VI	Session-34 Advances in Polymers-VII
	Chair: Prof. Kamendra P. Sharma IIT Bombay	Chair: Prof. Kuruvilla Joseph IIST Thiruvananthapuram	Chair: Prof. Nikhil Kumar Singha IIT Kharagpur	Chair: Dr. Vivek Verma IIT Kanpur



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



14:30-14:55	KL-25 Prof. Nita Sahai University of Akron, USA	KL-26 Prof. Shigeru Okamoto Nagoya Institute of Technology, Japan	KL-27 Prof. Biswajit Ray BHU	KL-28 Prof. Arup Bhattacharyya IIT Bombay
14:55-15:15	IL-65 Prof. Niranjana Karak, Tezpur University	IL-66 Dr. Jyoti Giri Tribhuvan University, Nepal	IL-67 Prof. Rabibrata Mukherjee, IIT Kharagpur	IL-68 Dr. Arukkani Murugesan SSNCE, Chennai
15:15-15:35	IL-69 Dr. Senthil Kumar Thangaraj CSIR-Indian Institute of Petroleum, Dehradun	IL-70 Prof. A.S Achalkumar IIT Guwahati	IL-71 Prof. Kinsuk Naskar IIT Kharagpur	IL-72: Sanjib Kumar Patra IIT Kharagpur
15:35-15:55	IL-73 Prof. Jun-Ichi Horinaka Kyoto University, Japan	IL-74 Dr. T. Umasankar Patro Defence Institute of Advanced Technology	IL-75 Dr. Uttam Manna IIT Guwahati	IL-76 Dr. Uday Shankar NIT Allahabad
15:55-16:15	IL-77: Dr. Rajaram Nagarale, CSIR-CSMCRI, Bhavnagar	IL-78: Dr. Santosh Kumar Central Institute of Technology, Kokrajhar	IL-79 Dr. S.N Jaisankar CSIR-CLRI	IL-80 Dr. Amit Kumar IIT Guwahati
16:15-16:25	OP-105 Murali Siva Sundar MS	OP-106 Harish Sharma	OP-107 Balaji Krishnasamy	OP-108 Vijaykumar Ubale
16:25-16:35	OP-109 Balaji Krishnasamy	OP-110 Yub Narayan Thapa	OP-111 Umesh Thapa	OP-112 Shikha Sharma
16:35-17:00	Tea Break			
17:00-17:30	Valedictory session (Bhupen Hazarika Auditorium)			

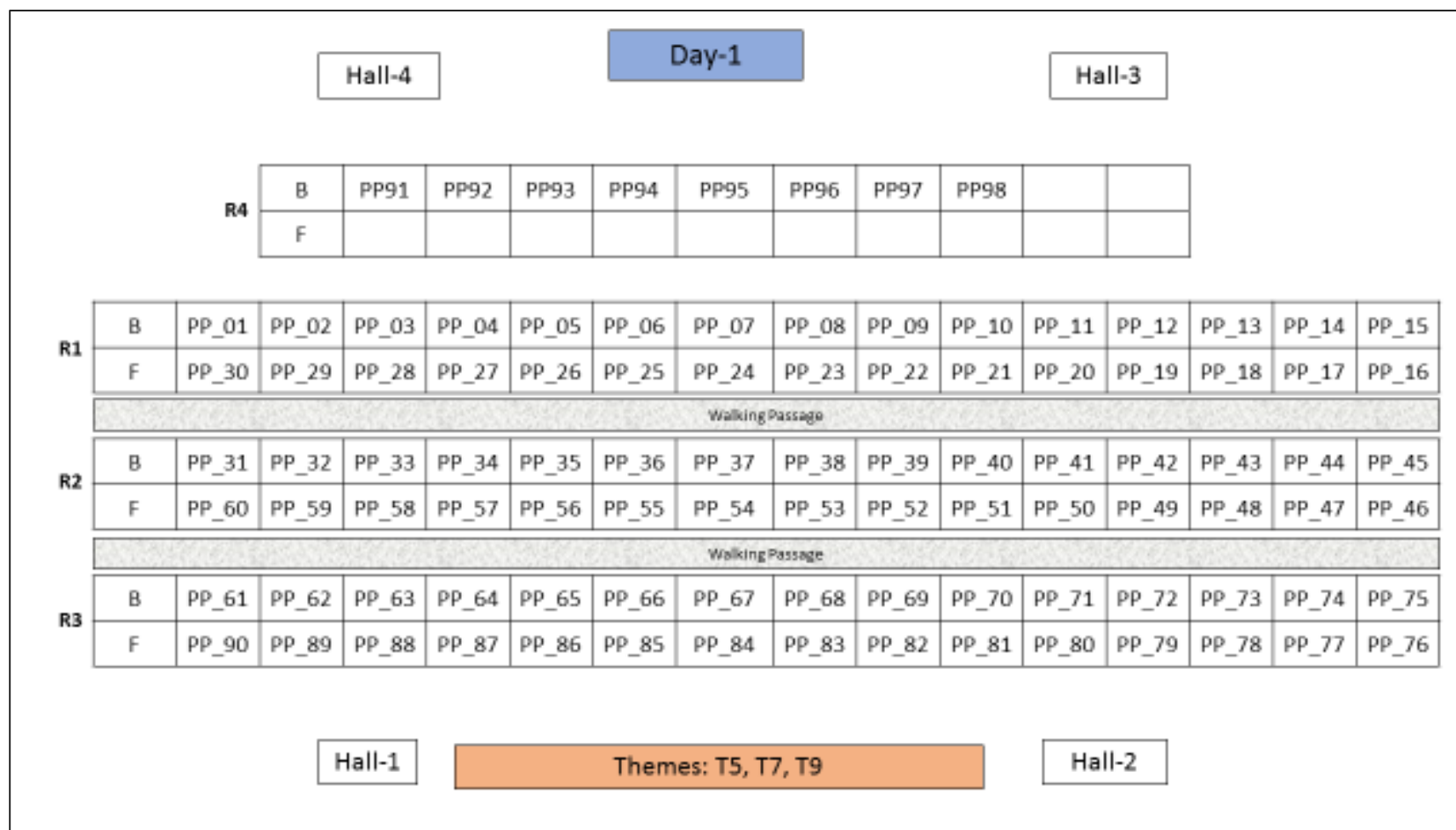


17th International Conference on Polymer Science and Technology SPSI-MACRO-2023

Tentative Programme

Poster Session: Day 1, Sunday, December 10, 2023

Time: 15:50-17:20 hr





17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023

Tentative Programme

Poster Session: Day 2, Monday, December 11, 2023

Time: 16:05-17:35 hr



Hall-4

Day-2

Hall-3

R4

B	PP189	PP190	PP191	PP192	PP193	PP194	PP195	PP196	PP197	PP198
F										

R1

B	PP_99	PP_100	PP_101	PP_102	PP_103	PP_104	PP_105	PP_106	PP_107	PP_108	PP_109	PP_110	PP_111	PP_112	PP_113
F	PP_128	PP_127	PP_126	PP_125	PP_124	PP_123	PP_122	PP_121	PP_120	PP_119	PP_118	PP_117	PP_116	PP_115	PP_114

Walking Passage

R2

B	PP_129	PP_130	PP_131	PP_132	PP_133	PP_134	PP_135	PP_136	PP_137	PP_138	PP_139	PP_140	PP_141	PP_142	PP_143
F	PP_158	PP_157	PP_156	PP_155	PP_154	PP_153	PP_152	PP_151	PP_150	PP_149	PP_148	PP_147	PP_146	PP_145	PP_144

Walking Passage

R3

B	PP_159	PP_160	PP_161	PP_162	PP_163	PP_164	PP_165	PP_166	PP_167	PP_168	PP_169	PP_170	PP_171	PP_172	PP_173
F	PP_188	PP_187	PP_186	PP_185	PP_184	PP_183	PP_182	PP_181	PP_180	PP_179	PP_178	PP_177	PP_176	PP_175	PP_174

Hall-1

Themes: T4, T13, T14, T15

Hall-2



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Poster Session: Day 3, Tuesday, December 12, 2023

Time: 16:25-18:00 hr

Hall-4

Day-3

Hall-3

R4	B	PP_289	PP_290	PP_291	PP_292	PP_293	PP_294	PP_295	PP_296	PP_297	PP_298
	F						PP_303	PP_302	PP_301	PP_300	PP_299

R1	B	PP_199	PP_200	PP_201	PP_202	PP_203	PP_204	PP_205	PP_206	PP_207	PP_208	PP_209	PP_210	PP_211	PP_212	PP_213
	F	PP_228	PP_227	PP_226	PP_225	PP_224	PP_223	PP_222	PP_221	PP_220	PP_219	PP_218	PP_217	PP_216	PP_215	PP_214
Walking Passage																
R2	B	PP_229	PP_230	PP_231	PP_232	PP_233	PP_234	PP_235	PP_236	PP_237	PP_238	PP_239	PP_240	PP_241	PP_242	PP_243
	F	PP_258	PP_257	PP_256	PP_255	PP_254	PP_253	PP_252	PP_251	PP_250	PP_249	PP_248	PP_247	PP_246	PP_245	PP_244
Walking Passage																
R3	B	PP_259	PP_260	PP_261	PP_262	PP_263	PP_264	PP_265	PP_266	PP_267	PP_268	PP_269	PP_270	PP_271	PP_272	PP_273
	F	PP_288	PP_287	PP_286	PP_285	PP_284	PP_283	PP_282	PP_281	PP_280	PP_279	PP_278	PP_277	PP_276	PP_275	PP_274

Hall-1

Themes: T1, T2, T3, T6, T8, T10, T11, T12

Hall-2



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Keynote Lectures

Code	Name	Abstract Title
KL-1	Dr. Samir H. Chikkali	Metal Catalyzed Synthesis of Ethylene Oligomers Polymers and their Applications
KL-2	Prof. Nikhil Kumar Singha	Covalent Adaptive Network in Polymers using Dynamic Chemistry based on Furfuryl functionality
KL-3	Dr. Shotaro Yamaguchi	Speciality Enzymes for a Greener Safer Bio Economy: Its Challenges towards Biopolymer Interventions
KL-4	Prof. Sanjeeva Murthy	Polymer-protein complexes and nanoparticles: Engineered polymers for biomedical applications
KL-5	Prof. Tarun K. Mandal	Diversified Functionalization of Polypeptide Scaffolds and Smart Materials Thereof
KL-6	Dr. G. Unnikrishnan	Nano- generators from Macromolecules
KL-7	Dr. Bhoje Gowd E.	Hierarchically Architected Semi crystalline Polymer Aerogels
KL-8	Prof. Suryasarthi Bose	Upcycling of post-consumer recycled ABS
KL-9	Prof. Sunil K. Sharma	Design and Development of Nonionic Amphiphilic Architectures for Transdermal Delivery
KL-10	Prof. Vijay Rangari	Engineered nanomaterials from waste resources for sustainable polymer composites applications
KL-11	Prof. Neil Cameron	Emulsion-templated Porous Polymers as Scaffolds for Tissue Engineering
KL-12	Dr. Asha Syamakumari	Exploring Eco Friendly Synthetic Strategies for Naphthalene diimide based Acceptor Polymers and their device applications
KL-13	Prof. Upendra Natarajan	Effect of polymer charge and interface concentration on structure of carboxylate polymers at oilwater interface
KL-14	Prof. Hajime Nakajima	Characterization of isosorbide derived biobased polycarbonates and studies about their thermal and rheological properties for understanding of the mechanisms of their functionalities
KL-15	Prof. Pralay Maiti	Design of drug delivery vehicles for healthcare



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



KL-16	Prof. Arun K. Nandi	Tailormade synthesis and tunable properties of polythiophene graft block copolymers
KL-17	Dr. Smita Mohanty	3D Printed Scaffolds from Plasticised Polyhydroxybutyrate (PHB) Polylactic acid (PLA) Blends reinforced with Strontium doped hydroxyapatite
KL-18	Prof. Pravindra Kumar	Elucidating the Structural Insights of Rieske Oxygenases in Plasticizer Degradation
KL-19	Prof. Christine Jerome	Design of self-folding shape memory elastomer composites based on polyphosphoesters
KL-20	Prof. Sabu Thomas	Nanostructured Polysaccharides Materials for Water Purification
KL-21	Prof. Anil Kumar	A New Paradigm in Process Intensification for the Production of Functional Polymers for Optoelectronic Devices
KL-22	Prof. S. Ramakrishnan	Surface- anchored Clickable Coatings
KL-23	Prof. Abhijit Patra	Controlling Molecular Self Assembly for Task Specific Nanoporous Organic Polymers
KL-24	Prof. Sagar Pal	Polysaccharide based copolymers and their biomedical applications
KL-25	Prof. Nita Sahai	Heterogeneous Catalysis in Prebiotic Chemistry and the transition from Geochemistry to Biochemistry
KL-26	Prof. Shigeru Okamoto	Structural Change and its Mechanism of OBDD Triggered by Temperature Change
KL-27	Prof. Biswajit Ray	Random copolymers of N alkyl N (3 isopropylamino) 3 oxopropyl) acrylamide alkyl n propyl and i-propyl and poly(ethylene glycol) methyl ether acrylate as efficient nanocarrier for drug delivery
KL-28	Prof. Arup Bhattacharyya	TBA

TBA: To be Announced



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Award Lectures

Dr. S. Sivaram Endowment Lecture	
Prof. Stefan Mecking	Recyclable and Degradable Polyethylene-Like Material Enabled by Catalytic Methods

Prof. Santappa Award Lecture	
Prof. Susanta Banerjee	High-Performance Fluorinated Polymers and Membranes Thereof for Clean Energy
Prof. Suhrit Ghosh	Molecular Recognition Driven Controlled Supramolecular Polymerization

Dr. K.H. Gharda Industrial Innovation Award Lecture	
Dr. Anuya Nisal	Natural Silk-Based High-Strength Porous Materials for Bone Repair

Prof. Kishore Memorial Award Lecture	
Prof. Leena Nebhani	Synthetic Strategies to Attain Polymer Functionalized Particles and Catalytic Porous Polymer Particles
Prof. Ashish Pal	Functional Peptide-Polymer Conjugates for Stereoselective Enhancement of Chiroptical Properties

Dr. S. R. Palit Memorial Lecture	
Prof. S. Thayumanavan	Reactive Self-Assembly of Polymers and Proteins for Therapeutic Applications



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Plenary Lectures

Name	Abstract Title
Prof. Sanjay Rastogi	Equilibration of Non-Equilibrium Polymer Melt, Implications on Physical and Mechanical Properties
Prof. Subi Jacob George	Structural Control on Supramolecular Polymers
Prof. M. Jayakannan	Biodegradable Macromolecular Architectures for Biomedical Applications
Prof. Yves Gnanou	Polycarbonate based Copolymers as Effective and Attractive Substitutes for Polyolefins
Prof. Shinichi Sakurai	Strain-Induced Crystallization on Natural Rubber
Prof. Kana Sureshan	Two Structurally Different Polymers from a Monomer



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Invited Lectures

Code	Name	Abstract Title
IL-1	Dr. Sanjib Banerjee	Multi stimuli Responsive Molecular Materials Design Synthesis and Applications
IL-2	Dr. Goutam Ghosh	Control Over Nano and Secondary Structures in Peptide Self-assembly
IL-3	Dr. Farsa Ram	Piezo mediated Polymerization for Fiber Reinforced Polymer Composites with Adaptive Mechanical Properties
IL-4	Prof. Chandra S. Sharma	Electrospun Polymer Nanofibers for Controlled & Sustained Drug Release
IL-5	Prof. Priyadarshi De	Cationic Copolymerization of Vinyl Ethers with 2-3, Dihydrofuran
IL-6	Dr. Priyadarshi Chakraborty	DiFmoc based minimalistic dipeptide building blocks as functional hydrogelators
IL-7	Dr. Debmalya Roy	Effect of dispersion on the gas barrier property of hybrid 3D nanofillers incorporated segmented polyurethane nanocomposites
IL-8	Prof. Raja Shunmugam	Designing Functional Polymers for the Biomedical Applications
IL-9	Dr. Dario Romano	Low entangled UHMW polymers
IL-10	Prof. Sudip Malik	Donor Acceptor Donor type Triphenylamine based Electroactive Monomers Electropolymerization and Electrochromic Applications
IL-11	Dr. Vivek Verma	Agar based Materials for Packaging and other Applications
IL-12	Dr. Dibyendu Sekhar Bag	A Glipmse of Polymer Materials and Technologies for Defence Applications
IL-13	Dr. Debasis Samanta	Click Reactions Small molecules to Macromolecules
IL-14	Dr. K. Krishnamoorthy	Polyvalent Interaction Facilitated Improvisation of Li-S Battery Performance
IL-15	Dr. Prodyut Dhar	Value- Added Bio composites from Agro biomass
IL-16	Prof. Kanagaraj S.	Acetabular liner made of UHMWPE and its composites with inborn plateau finish and their testing
IL-17	Dr. Swapnali Hazarika	Designing Thin Film Nanocomposite membrane by Interfacial Polymerization for Separation of Biomolecules
IL-18	Prof. Tushar Jana	Polymer Membrane : Heart of the Hydrogen Value Chain
IL-19	Prof. Sampa Saha	Multicompartmental biodegradable polymeric particles for programmable drug release



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



IL-20	Dr. Vikram Singh	Multifunctional Application of Fluorescent Carbon Nanomaterials
IL-21	Dr. Ashootosh Ambade	Morphology change and controlled release from nanoassemblies of stimuli responsive polymer architectures
IL-22	Dr. Hironori Marubayashi	Side Chain Substituted Poly(lactic acid)s Synthesis Structure and Properties (point comma & hyphen cannot be input in this web form Correct title in uploaded file)
IL-23	Prof. Sangamesh G. Kumbar	Engineered Polymeric Micro-Nano Structures for Tissue Repair and Regeneration
IL-24	Prof. Biplap Kuila	Conjugated polymer framework and their applications
IL-25	Prof. Utpal Bora	Material and Design Considerations for Nerve Tissue Engineering
IL-26	Prof. Rameshwar Adhikari	Nano-hyoxypatite Enfused Traditional Nepali Paper-Based Composite Scaffold Films for Bone Tissue Engineering
IL-27	Dr. G. Krishnamoorthy	Biostable Collagen crosslinked by dialdehyde chitosan-gallic acid for biomedical applications
IL-28	Dr. Vijayakumar Chakkooth	Organic Polymer based Thermoelectric Materials Insights into Structure Doping Mechanisms and Nanocomposite Formation
IL-29	Prof. Balaji Iyer Vaidyanathan Shantha	Multiscale Modeling and Simulations Particle Polymer Hybrid Materials
IL-30	Dr. Bindu	Green Packaging
IL-31	Dr. Kl Suresh	Sustainable Polymer Nanocomposites
IL-32	Dr. Joshy Joseph	Molecular Engineering of Crosslinkable Organic Electrochromic Materials Effect of Hyper Cross linking in Carbazole Diphenylamine Derivatives
IL-33	Prof. Gaurav Manik	Molecular simulation inspired development of hierarchical carbon fibres reinforced high strength light weight hybrid polymer composites
IL-34	Dr. P. Aruna	Sustainable and Green Polymers for Coating, Adhesives and other Applications
IL-35	Prof. Dibakar Dhara	Sustainable Approach Towards Polymer Nanoparticles and Their Application in drug Delivery and Catalysis
IL-36	Dr. Sujay Chattopadhyaya	Macro and Nanoencapsulations of Phase Change Materials for Energy Storage Applications



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



IL-37	Dr. Sukanya Satapathy	Thermomechanically processed chitosan with cyclic carbonate based plasticizers Preparation and Physicochemical properties
IL-38	Dr. Naba Kumar Kalita	Embedded-enzymes for faster degradation rate and chemical recyclability
IL-39	Prof. Kamendra P. Sharma	Self-assembly of similarly charged polyelectrolyte chains in dilute aqueous solution
IL-40	Prof. Sidhharth Sirohi	Ag nanoparticles poly (vinyl alcohol) composite films The tuning of morphology and conductivity
IL-41	Dr. S. B. Idage	Polyethylene surface modification: Surface free energy of sulfonated films
IL-42	Dr. Ajeet Kumar	Multi-material Additive Manufacturing with Lightweight Closed-Cell for enhanced Mechanical and Functional Properties
IL-43	Dr. Shib Shankar Banerjee	Liquid Metal Embedded Soft and Multifunctional Elastomeric Architectures for Soft Matter Engineering
IL-44	Dr. Titash Mondal	Printable Elastomer Composite Sensor- based Smart Mask for Point of Care Diagnostics
IL-45	Dr. Utai Meekum	Effect of Polycarbonate on Flammability and Mechanical Properties of Macro Crosslinked Wood Plastic Composite
IL-46	Dr.Rathna GVN	Advanced technologies for controlling pests
IL-47	Dr. Raj Kumar Roy	An insight into the role of polyprolines secondary structure during thermal phase transition and bulk phase separations
IL-48	Dr. Sravendra Rana	Development of Reprocessable Self adherable High Performance Carbon Fiber Reinforced Vitrimer Composites
IL-49	Prof.Bimlesh Lochab	Rise of Benzoxazines: Conventional to Innovative Applications
IL-50	Dr. Anindita Das	Pathway Complexity in Supramolecular Polymerization and Heterostructures by Seeding Effect
IL-51	Prof. Parbati Biswas	Dynamics and Rheology of Nanoparticle Grafted Ring Polymers
IL-52	Dr. Ujendra Kumar Komal	TBA
IL-53	Dr. Hari Sharan Adhikari	Synthesis Characterization and Anticancer Activity of Phenolic Carbaldehyde Based Chitosan Functionalized Thiosemicarbazones
IL-54	Dr. Murugan E.	Surface Functionalisation of Poly (Amidoamine) and Poly (Propylene Imine) Den Imers for Ug Delivery Application



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



IL-55	Dr. Sushanta Sethi	Exploring the impact of orientation and nature of filler material on water droplet bouncing Insights from molecular dynamics simulations
IL-56	Dr. Pavan K. Kancharla	Strained Bronsted Pair Catalysis for Glycoside Bond Formation
IL-57	Prof. Santanu Chattopadhyay	Development of sustainable ceramic- based flexible composites for advanced multifunctional applications
IL-58	Dr. Suman Kalyan Samanta	Triphenylamine Anthracene Derivatives based Conjugated Microporous Polymers for Visible Light driven Photocatalytic Reactions
IL-59	Dr. Rohidas Arote	Multifunctional Nanocarriers for gene therapy applications
IL-60	Dr. Poonam Kumari	Development of fish scales based biocompatible piezoelectric sensor for biomedical application
IL-61	Prof. Chyi-How Lay	Simultaneous bioremediation and bioelectricity generation by an integrated process of PCVBTiO ₂ photocatalysis and magnetic field microbial fuel cell from diesel pollutant
IL-62	Dr. Ketan Patel	Interplay of monomer geometries in designing functionalized microporous thin films for separation
IL-63	Dr. Arindam Kundagrami	Polymer Complexation Theory and Application to IDPs
IL-64	Prof. S.T Mhaske	Polyhydroxyalkonates Sustainable Biopolymer for Future
IL-65	Prof. Niranjan Karak	Predicting polymer properties using graph based multi headed attention transformers with hierarchical aggregation
IL-66	Dr. Jyoti Giri	Wheat Stalk and Rice Husk-Based Fibers for Reinforcement in Mechanical Strength, Surface Modification and Degradability
IL-67	Prof. Rabibrata Mukherjee	Dynamics of Nano Particle containing Polymer Thin films
IL-68	Dr. Arukkani Murugesan	Synthesis Characterization and Properties of High performance Copoly(etherimide)s via Polycondensation Reaction
IL-69	Dr. Senthil Kumar Thangaraj	Polymeric additives applied to petroleum refineries
IL-70	Prof. A.S. Achalkumar	Development of Dicrotic Liquid Crystals for the Application in Organic Electronic Devices
IL-71	Prof. Kinsuk Naskar	Challenges and Opportunities for Thermoplastic Elastomers (TPEs) as Potential Alternative to Conventional Rubbers in terms of EV, Renewable energy and other Technologies
IL-72	Dr. Sanjib Patra	Design and synthesis of conjugated polymers as efficient probes for detection of environmentally and biologically concerned analytes
IL-73	Prof. Jun-Ichi Horinaka	Comparison of cyclic deformation behavior between kappa Carrageenan and Agarose Hydrogels



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



IL-74	Dr. T. Umasankar Patro	Nanoparticle incorporated carbon foam derived from flexible polyurethane foam as a multifunctional material
IL-75	Dr. Uttam Manna	Designs of bio- inspired polymeric functional coatings
IL-76	Dr. Uday Shankar	High Performance Adsorbent Materials
IL-77	Dr. Rajaram Nagarale	Ion exchange membranes: a potential battery separators
IL-78	Dr. Santosh Kumar	Biopolymer-based films and coating as sustainable alternative to non- biodegradable plastic packaging for shelf- life extension of fruits and vegetables
IL-79	Dr. S.N Jaisankar	Recent development in polyurethanes for biomedical stress sensor applications
IL-80	Dr. Amit Kumar	Molecular Modelling and Simulation of Biodegradable Polymeric Materials



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Oral Presentations

Code	Name	Abstract Title
OP-1	Bhanendra Sahu	Recyclable photoRDRP towards Dual Stimuli Responsive Functional Diblock Copolymer
OP-2	Akshay Thorat	Large area two dimensional supramolecular polymer via controlled assembly
OP-3	Mini Mol Menampambath	Liquid Liquid interface assisted in situ synthesis of conducting polymer MnO ₂ composites
OP-4	Sulagna Bhattacharjee	Biocompatible Chitosan Based Stimuli Responsive Nanogel for Drug Delivery
OP-5	Parshuram Kambale	Development of Steric Hindrance ROP strategy for Beta sheet polypeptides and their Block copolymer
OP-6	Vidyalakshmi D	Photo cross stitching of Folded Periodically Grafted Amphiphilic Polymers
OP-7	Santanu Basak	A Sustainable method for development of natural fibre based flexible composite A step toward leather alternative
OP-8	Manju Saraswathy	Drug eluting mucoadhesive bandage for localized oral drug delivery applications
OP-9	Yogesh Patil	The Novel Indigenous Ziegler Natta catalyst for Ultra High molecular weight poly alpha olefins as drag reducing agent
OP-10	Neha	Stereocomplex copolymers design for orthopaedic fixation devices
OP-11	Rajesh Pandit	Starch/Polyvinyl Alcohol (PVA) Blended Bio-Films from Potato Peels: Preparations and Physicochemical Properties
OP-12	Ibrahim Bargathulla	Nitroxide free radical containing bisindolyl polyurethane dendrimers as potential cytotoxicity for induces cell cycle arrest in breast cancers
OP-13	Radha Sachan	Isothermal Crystallization Kinetics of Thermoresponsive Shape Memory PCLPDMSPCL Triblock Copolymers
OP-14	Anusha Kadimisetti	Analysis of Polymeric material using Analytical Pyrolysis
OP-15	Shubham Pant	Tailoring of 3D Bioprinted PLA MBG Scaffold with Rapid Apatite Crystallization and Enhanced Cytocompatibility for Bone Tissue Engineering
OP-16	Devleena Bose	Drug Eluting orthopaedic fixation devices



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



OP-17	Gorakh Ghuge	Isocyanate Free Poly(hydroxyurethane)s From Vanillin and CO ₂ derived Cyclic Carbonates
OP-18	Dhruba P. Chatterjee	Hierarchical GO graft PANI Nanocomposite by Oligomer Initiated Controlled Polymerization of Aniline for Electrochemical Storage
OP-19	Akhila N S	Enhancing Properties of Poly(3 hydroxybutyrate) Aerogels Through Thermally Induced Structural Transitions
OP-20	Dipanjana Patra	A dual functional smart coating to combat catheter associated urinary tract infections
OP-21	Uddhab Kalita	Terpene Derived Sustainable Elastomers through RAFT Mediated Miniemulsion Polymerization
OP-22	Bhanupriya Das	Microbial Fuel Cells: A transition tool towards circular economy
OP-23	Vishalakshi Badalamoole	development of MMT Cellulose PVA films containing banana bract anthocyanins for smart milk packaging applications
OP-24	Harpreet Singh	Investigation on PMMA SiO ₂ Coating on SS316L using Sol Gel Method for Biomedical Applications
OP-25	Monikangkana Talukdar	Development of Biobased Polycarbonate A Route Towards Sustainability
OP-26	Mayuri Srivastava	PVDF TMDs An Advanced Piezo Polymer with High Piezoelectric Performance for Energy Applications
OP-27	Kanagaraj S.	TBA
OP-28	Jit Sarkar	Development of Sustainable Smart Shape Stable Phase Change Materials (SSPCM) from Waste
OP-29	Paramjeet Yadav	Generation of multicellular tumor spheroids via 3D cell culture utilizing a hydrogel comprising with chitosan and allylthiourea
OP-30	Sagar Bag	Biotinylated Stimuli Triggered Degradable Polyurethane for Anticancer Drug Delivery
OP-31	Sudip Mukherjee	Multifunctional nanogels to cure drug resistant bacterial infections and attenuate bacterial antigen responsive hyperinflammation
OP-32	Pankaj Baruah	Magnetic cellulose nanocrystal based membranes for oil water separation



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



OP-33	Debasish Nath	Biomimetic pH tunable strain stiffening Peptide polymer conjugate Replicating Biopolymeric Networks to Augment Myogenesis
OP-34	Shibam Pal	Degradable Thioene Network from Ethyl Lactate based Polymer for 3D Printing Application
OP-35	Arbind Prasad	Resorbable PLAnHAp composites for Orthopedic Fracture Fixations
OP-36	Souradeep Ghosh	The role of enthalpy and entropy in the binding affinities of polyelectrolyte chains
OP-37	Deepjyoti Basumatary	Cold Atmospheric Pressure Plasma Rapid Synthesis of Custom Peptide Based Structures and gaining Deeper Insights into the Enigma of Amyloid Formation
OP-38	Vinothkumar D	Development of biodegradable polymer using convantional processing equipments
OP-39	Shahidkhan Pathan	Self-immolate macromolecular architectures for drug delivery in vivo.
OP-40	Dipanjan Giri	Ion Size Dependent Electrochromism in Air Stable Napthalenediimide based Conjugated Polymers
OP-41	Somdatta Rudra	Thermoresponsive glycopolymer grafted nanoparticles via RAFT polymerization and their temperature responsive binding with lectin
OP-42	Aswathy N R	Fabrication and characterization of ternary biopolymer hydrogel crystals
OP-43	Kuhelika Das	Coaxially Electro Centrifugally Spun Core Sheath Nanofibers with Dual Drug Loading for Skin Cancer Treatment
OP-44	Sandeep Kumar Sahoo	Aminoacid containing Thermoresponsive Hydrogel MOF composite for Atmospheric Water Harvesting
OP-45	Tanushri Banerjee	Stimuli triggered activation of heavy atom free photosensitizer and implications in targeted photodynamic therapy
OP-46	Kartik R	Processing of Biopolymers into Value Added Products
OP-47	Athira M	Alkaline etching assisted polydopamine coating on 3D printed polylactic acid for enhanced bone regeneration
OP-48	Parthiv Trivedi	Synthesis of high performance polypropylene products for specialty applications
OP-49	Jayanta Nanda	Short Peptide Based Gel Nanofibers and Modulation of Helicity
OP-50	Arunava Dutta	Tunable Solvent Induced Self Assembly in Luminescent Biodegradable Amino Acid based Polyurethanes



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



OP-51	Atish Nag	Chain folding regulated self assembly and antiviral activity of amphiphilic polyurethane
OP-52	Parul Shukla	Effect on enhanced biofilm formation of PHBHHx/PLA-based films by plasma treatment
OP-53	Laxmi	Molecular Dynamic Simulation for Structure Property Relation of Polyolefin
OP-54	Tabli Ghosh	Development of Chitosan Nanostructures Reinforced Pectin Pullulan Based Nanocomposites Assisted With Tea Tree Essential Oil for Sustainable Pouch Packaging
OP-55	Ankan Sarkar	Nuclear Delivery of Molecular Drugs by BioCompatible Polymeric Micelle via NonEndocytic Uptake
OP-56	Uma Chatterjee	Transition metal based bimetallic oxides doped hydrocarbon based polyelectrolyte composite membranes to induce high oxidative tolerance and enhanced performance in hydrogen fuel cells
OP-57	Gangotree Rai	Molecular simulations of aggregation and complex formation between anionic polyelectrolyte and cationic surfactant in water: PAA - CTAB
OP-58	Vikrant Bodana	Development of pomegranate peel extract functionalized jackfruit seed starch-based edible films for food packaging applications
OP-59	Medha Surendranath	Mucin and Aminophenyl Boronic Acid Functionalised Zein PVP Blend Electrospun Membranes A Comparative Evaluation of Transmucosal Delivery of Propranolol Hydrochloride
OP-60	Lyric F	Novel and Controlled Synthesis of hierarchical AgNi ₂ O ₄ on Polypyrrole as an Advanced Electrode material for High performance Supercapacitor
OP-61	Sharanya Alluri	Predicting Structural and Mechanical Properties of Biodegradable Copolymers using Molecular Dynamics Simulations
OP-62	Tuhin Bhattacharjee	Structure and property study of protein based carbon dot incorporated seaweed biopolymer film for food packaging



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



OP-63	Subin Kc	Insitu synthesis of random networks of Zirconium doped manganese oxide nanoribbons and poly(3 4 ethylenedioxythiophene) flakes at water chloroform interface
OP-64	Imran Hussain	Synthesis and Characterization BTCA doped PANI functionalized with MoS ₂ for energy harvesting as supercapacitor application
OP-65	Harshad R. Patil	Solvent based Waste Polyolefins Recycling Challenges and Opportunities
OP-66	Karthikeyan Sathrugnan	Rapid Evaluation of Photo Thermal and oxidative degradative of high impact polystyrene by a xenon based UV online irradiator pyrolysisGCMS System
OP-67	Praveen Karebasannanavar Ramachandrappa	Cutting Edge Solutions Viability of Abrasive Waterjet Machining to Characterise Residual Stress using Contour Method in Polymer Composites
OP-68	Akuleti Saikumar	Effects of antibacterial ZnO nanoparticles on the performance of a mucilage edible coating for post-harvest fruit preservation
OP-69	Aaditya Pandey	Potential applications and challenges of Utilising Waste Recycled Polymers in Polymeric Membrane Fabrication
OP-70	Nilanjan Mukherjee	Flexible and High Temperature Stable Polybenzoxazine Adhesive for Fire Proximity Clothing
OP-71	Moumita Sasmal	An experimental study on lubricating properties of pectin based gel by rheological and tribological measurements
OP-72	Banalata Kaibarta	Clay Based Polyaniline Acetylene Black Nanocomposite For Fabrication Of Symmetric Supercapacitor
OP-73	Punugupati Neelambaram	Cellulose Nanofiber incorporated HighSolid Siloxane Acrylic Latex by Mini emulsion Polymerization for Hydrophobic Coating and Wood Adhesive
OP-74	Sachin Kuriachan E	Influence of chemical pretreatment on the degradation profile of the epoxy resin a precursor to fiber reinforced polymer composite
OP-75	Gopal Kumar Gautam	Development of Novel Nucleating Agent for Polypropylene
OP-76	Govind Kumar Sharma	Nitrogen doped Carbon Nanofiber coated with PEDOT PSS polyvinylpyrrolidone and their PDMS composites as flexible high performance Electromagnetic Interference Shielding Material



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



OP-77	Kishore Khopade	Metal catalyzed depolymerization and upcycling of polyethylene to value added chemicals
OP-78	Smruti B Bhatt	Functionalized jute A biodegradable material with high charge swellability flame retardancy and thermal stability
OP-79	Vedant Joshi	Polyester additives for bitumen modification
OP-80	Abhishek Verma	Nanofibrillated Polymeric Composite Membrane using Electrospinning for Particulate Matter Removal from Ambient Air
OP-81	Balendu Shekhar Giri	Recycling of biopolymers into biochar and removal of hydrogen sulfide to enhance biogas production in anaerobic digestion
OP-82	Sambit Roy	26 Hindered Pyridine Containing Sulfonated Polytriazoles for Proton Exchange Membranes with Enhanced Oxidative Stability and Superior PEMFC Performance
OP-83	Anant D. Kulkarni	Exploring the Structures Growth and Spectral Properties of Some Polymers Ab Initio Quantum Chemical and Density Functional Theory Perspective
OP-84	Doli Hazarika	Fabrication characterization and degradation of carbon dot modified electrospun scaffolds
OP-85	Rohit Rai	Biodegradable hydrophobic antibacterial self- cleaning and sustainable drinking straws from rice crop waste
OP-86	Vaibhav Darekar	A study on the effect of rice husk ash addition on dimensional stability of glass fabric reinforced epoxy hybrid composites
OP-87	Shailesh Nagarakar	Influence of spinbath parameters and spinning speed on mechanical properties of Viscose filaments
OP-88	Vasi Shaikh	Plant extract loaded biocompatible biodegradable and bioactive polymeric films for potential biomedical application
OP-89	Srikanth Billa	Toughened Blend of Epoxy with Glycidyl Terminated Polyurethane Exhibiting Simultaneous Scratch Healing and Shape Memory Properties
OP-90	Rajan Kumar	Efficient Optically Tunable Photoluminescent Polymeric Membrane
OP-91	Nikhil Dhore	Carbonated Castor Oil Bioplasticizer and Toughening Agent for Amine Cured DGEBA Epoxy Resin



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



OP-92	Runa Runa	Direct Synthesis of Janus Hyperbranched Polymers using $AB_2 + A-R + A-R'$ Copolymerization
OP-93	Tonmoi Hazarika	Hydrophilic Enhancement of Cellulose Nitrate Polymeric Membrane Through Plasma Treatment and Identify the Role of Process Gas on it
OP-94	Theerdha V. Nair	Evaluation of bioadhesive properties of boronic acid functionalized electrospun polycarbonate urethane membranes
OP-95	Ujjal Haldar	Development of Novel Biobased Primary antioxidant for the Thermooxidative Stabilization of Polyolefins
OP-96	Ayan Jati	Proximity and Interlocking in Covalent Organic Framework for Diverse Photocatalytic Cross Coupling Reactions
OP-97	Balaji Krishnasamy	Development of photocurable benzoxazines from renewable biophenol for low dielectric and photoluminescence applications
OP-98	Pankaj Kumar	Sulfonated Poly (vinyl alcohol)MoS ₂ based Composite Proton Exchange Membranes with Higher Selectivity
OP-99	Rajkumar Birajdar	Regulating the polyethylene microstructure by increasing steric crowding in naphthoxy imine ligated Ni(II) complexes
OP-100	Krishna Dan	Hyperbranched poly beta thiopropionate ester
OP-101	Ananda Basak	Covalent Organic Frameworks as Porous Pigments for Metal Free Photocatalytic C H Borylation
OP-102	Ermija Prasad Paradhakshina	Simple and effective anticorrosive additives in polyurethane coatings for mild steel protection
OP-103	Nitin Bapurao Basutkar	Photoinduced Multiple Morphology Transitions in Dendronized Linear Block Copolymer Assemblies for Controlled Release
OP-104	Bhawna Sharma	Mechanistic insights on the incorporation of higher alpha olefins into acrylate copolymers via photoATRP
OP-105	Murali Siva Sundar MS	Enhance Thermal Properties of Polycarbonates with Bisphenol A Recovered from waste plastic via Polycondensation Process
OP-106	Harish Sharma	Antimicrobial water based ink for active packaging application



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



OP-107	Balaji Krishnasamy	Valorization of bio-waste material for sustainable utilization of bio-phenol to develop polybenzoxazine composites for multidimensional applications
OP-108	Vijaykumar Ubale	Polyazomethines Emerging Electroactive Material for High Performance of Supercapacitors
OP-109	Balaji Krishnasamy	Studies on impact of biocarbon reinforced sustainable polybenzoxazine composites derived from biophenol for superhydrophobic and dielectric applications
OP-110	Yub Narayan Thapa	Structural and Functional Properties of <i>in situ</i> Polymerized Polyaniline and Multiwalled Carbon Nanotubes Coated Paper
OP-111	Umesh Thapa	Wound Infection Healing Properties of Nanoparticles Coated Natural Fibers
OP-112	Shikha Sharma	Studies on enhancing shelf-life of cut apple using polysaccharide based edible packaging



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



Poster Presentation

Code	Name	Abstract Title
PP_01	Masum Das	Effect of SiO ₂ Nanofiber on the Electrical Properties of Cellulose Acetate Based Gel Polymer Electrolyte
PP_02	Ankita kumari	Unraveling the Role of Solvophobic Sequences Grafted on Hyperbranched Polymer in their Self-Assembly Behaviour and Stimuli Responsiveness
PP_03	Ankur Katherina	Super Stretchable Self-Healing 2d Mxene Based Composite for Thermal Management and Electromagnetic Shielding Applications
PP_04	Biswajit Mishra	Flexible Covalent Organic Framework Membranes with Linear Aliphatic Amines for Enhanced Organic Solvent Nanofiltration
PP_05	Deepjyoti Adhikari	Physical Morphological Thermal and Micromechanical Properties of Allo Fiber Loaded Resorcinol Formaldehyde Resin Composites
PP_06	Nupur Borah	Valorization of Waste Fish Scales for Development of Vegetable Oil Based Composites
PP_07	Jurita Baishya	Impact of Nanoclay on the Properties of Citric Acid Crosslinked Green Composites Based on Coconut Fiber and Modified Vegetable Oil
PP_08	Lukkumanul Hakkim N	Nitrone Functionalized Green Silica Polymer Grafting and Reinforcing Potential in Styrene Butadiene Rubber Compound
PP_09	Num Kant Parajuli	Natural Dye Extracted from Marigold Flower for Fabric Dyeing Using Natural Mordants
PP_10	Shekhar Hazarika	Role of Compatibilizer on the Various Properties of Biofiller Based Synthetic Polymer Composites
PP_11	Silpa T S	Effect of Modified Cellulose Nanofiber on the Thermomechanical Properties of Cardanol Based Benzoxazines
PP_12	Adithya A V	Synthesis and Development of Surface Modified Cellulose Nanofiber Composites for High Performance Materials
PP_13	Nishtha Arora	Performance and Characterization of PLA Bio-Waste Based Composite for FDM 3D Printing
PP_14	Gopika Preethikumar	Fabrication of Dual Sized Linearly Aligned Electrospun CA PVP Core Shell Fibre Membrane
PP_15	Jitu Padhee	Green Catalyst for Styrene Oxidation Reaction Using Stimuli Responsive Polymer Stabilized Iron Oxide Nanoparticle



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_16	Prem Pal Singh	Ionic Liquid Dispersed PDMS SWCNT Ag@Ni Hybrid Composite for Temperature and Pressure Sensitive Smart Electromagnetic Shielding Application
PP_17	Reshna Suresh	Lightweight and Flexible Electrospun Polyurethane Fibre Coated with Carbon Black Polyvinyl Alcohol for Electromagnetic Interference Shielding
PP_18	Aniket Sahoo	Silver Loaded Triazole Based Porous Organic Polymer for Rapid Cyclization of Propargylic Amines with CO ₂ to Oxazolidinone Derivatives
PP_19	Jefin Parukoor Thomas	Phytic Acid Modified Boron Nitride Nano Sheets as Sustainable Multifunctional Nanofiller for Poly(3 Hydroxybutyrate)
PP_20	Siddhartha Shankar Kashyap	Role of Zeolite Nanocontainers as a Corrosion Resistant Filler in Biobased Hybrid Coatings
PP_21	Gunjan Kumar	Fabrication of Humidity Sensor Based on PANI/ PVA Hydrogel
PP_22	Shivalika Sharma	Protonation and Self-assembly Behaviour of Fluorophore Labelled Like Charged Polyethylneimine Chains in Water
PP_23	Lekshmi L	Combination of Screen Printable Fluorescent Polymer Ink with Angle Dependent Structurally Colored Colloidal Photonic Crystals
PP_24	Devikrishna K S	Studies on Amphiphilic GO@CeO ₂ Polyurethane Hybrid Nanocomposites as Corrosion Protective Coatings
PP_25	Maromi Roy	Synthesis and Characterizations Of Poly(Butyl Acrylate Co Vinyl Acetate Co Acrylic Acid) Polymer with Kaolin Clay Composites
PP_26	Shibani Mohata	Interfacial Layer Grafting of Janus Type Covalent Organic Frameworks Thin Films
PP_27	Sajan Singh	Mechanism of Solvent Mediated Metal Infiltration Into Block Copolymer Nanopatterns and Formation of Metal Oxide Arrays
PP_28	Jyoti Jain	Photocatalytic Degradation of Eosin Y Dye in Aqueous Solution by Using SnO ₂ Nanoparticles
PP_29	Himadree Sarmah	Guar Gum Based Gel Polymer Electrolytes Dispersed with SnO ₂ Nanofibers
PP_30	Priyam Ghosh	Amyloid Targeting Artificial Chaperon Impairs Oligomer Mediated Neuronal Damage and Mitochondrial Dysfunction associated with Alzheimer Disease
PP_31	Subhash Mandal	Effect of Dispersion on the Gas Barrier Property of Hybrid 3D Nanofillers Incorporated Segmented Polyurethane Nanocomposites



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_32	Kuldeep Kr Maurya	Fabrication of Dopamine Sensor Based on a Carbon Paste Electrode Modified with Tetracyanoquinodimethane and Cobalt Tungstate Nanoparticles
PP_33	Athira M P	Transient Self-assembly of Nanoparticle via Cucurbituril Host Guest Interaction
PP_34	Rituja Gupta	Polymeric 3D Scaffolds for Cell Capture and Evaluating Drug Efficacy
PP_35	Siddhesh Manalkar	Aesthetic Transparent Wood: Preparation and Characterizations
PP_36	Subhadip Roy	Napthalimide Based Fluorescent Polymeric Probe for Ultrafast Sensing of Formaldehyde in both Gaseous and Aqueous Phase
PP_37	Kulveer Singh	Electrochemical Determination of NADH using Pd Co Nanocomposite Modified Carbon Paste Electrode
PP_38	Saikrushna Jena	Designing Balanced Janus Nanocatalysts for Biocatalytic Application
PP_39	Swapan Maity	Interaction of Doxorubicin Drug and Ldhs Nanocarriers Potential Innovation in Nanotechnology as Inorganic Drug Delivery Nanovehicle for Cancer Treatment
PP_40	Mahuya Kar	Azo Bridging of Poly(2 Oxazoline) with Phenolic Polymers Multi Stimuli Responsiveness and Micellization for Guest Encapsulation
PP_41	Abhinav Kumar Singh	Versatile Applications of Polyacrylates and Their Derivatives: A Review
PP_42	Prabir Maity	A Copolymerization Approach to Stabilize PPI and PPII Structure of Polyproline
PP_43	Arjun Singh Bisht	Design and Synthesis of Periodically Grafted TEG Polyproline via Click Chemistry: A Comparison of its Thermoresponsive Behaviour with Native Polyproline
PP_44	Sneha C	Polyprolines with Periodically Placed Clickable Units: An Investigation Of Structural Dynamics and Thermoresponsive Behaviour
PP_45	Soumen Ghosh	Synthesis of Stimuli Responsive Fluorescent Microgels and Application in Temperature pH and Metal Ion Sensing
PP_46	Amit Kumar	Solvent Responsive Polymer Gel with Inherent Antimicrobial Properties
PP_47	Anup Singhania	An Intelligent Nanobot Resonance Drug for Anti-Cancer Activity
PP_48	Keya Mondal	Innovation of Shola (Aeschynomene Aspera) as a Natural 3d Porous Hydrophobic Oleophilic Sorbent for Oil Spill Cleanup



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_49	Subhashree Subhasmita Pradhan	Synthesis of Polymer Brush Modified Multicompartment Particles and Their Application as Pickering Emulsion Stabilizer
PP_50	Prathiba Thamizhavel	Biopolymer Membranes For Carbon Capture
PP_51	Gaurav Kumar	Coherent Fabrication of Bio Based Ion Conductive Interpenetrating Polymer Network Flexible Organohydrogel for Physiological Temperature Sensing
PP_52	Rahul Ahmed	Phenoxazine Based Self Assembled Luminescent Liquid Crystals
PP_53	Swati Saini	Polycationic Nanoparticles for Microbial Inhibition and Killing
PP_54	Sateesh Kumar Gupta	Calcium and Ferric Ion Doped Low Methoxy Pectin (LMP) and Sodium Carboxymethyl Cellulose (Nacmc) Based Conductive Hydrogels Rheology and Broadband Dielectric Spectroscopy Investigations
PP_55	Janaki Komadur	Co-pyrolysis of PET Plastic and Wheat Straw: Product Distribution and Reaction Mechanism
PP_56	Divya Gaur	Building Soft and Responsive Colloidosomes using Pickering Emulsion
PP_57	Athira K R	Hydrophilic Modification of Electrospun Poly Ethylene Co Vinyl Alcohol for Wbc Syringe Filter Membrane
PP_58	Desoshree Ghosh	Biotin Tagged Theranostic Polymer Prodrug Nanoparticle for Dual Drug Delivery
PP_59	Shankarrao Avhad	Photo and pH Dual Stimuli Responsive Polymer Assemblies for Drug Delivery Application
PP_60	Sukanya Bera	Comparison Between Hyperbranched and Linear Polymer Aggregates for Intracellular Drug Delivery
PP_61	Supriyo Saha	Synthesis and Self-Assembly of Polythiourethane Based ABA Type Amphiphilic Polymers
PP_62	Aarti Aarti	Synthesis and Transport Potential Study of A2B Type Amphiphilic Architectures
PP_63	Kamal Kaushik	Phloroglucinol Based Stimuli Responsive Non-Ionic Amphiphiles for Controlled Drug Delivery
PP_64	Komal Verma	Optimizing Sonocatalytic Degradation with Hydrogels Beads of Nanoparticles for Effective Industrial Wastewater Treatment
PP_65	Sudhanshu Vats	Design and Synthesis of Gemini Amphiphiles and Study of Their Transport Potential
PP_66	Swarup Maity	Fluorophore Derived Multi Stimuli Responsive Polymers
PP_67	Juthi Pal	Application of Dual Thermo Responsive Block Copolymers in Size Tunable Strategy Towards Improved Retention in Tumor Tissues and AIE Based Real Time Monitoring
PP_68	Nishikanta Singh	Design and Synthesis of Multi Stimuli Responsive Multi Arm Star Polymers



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_69	Khushnuma Asghar	pH Responsive Nanovesicles for Effective Combination Therapy of Drug Resistant Cancer
PP_70	Mohammed Khuddus Maniyar	Development of L Aspartic Acid Based Biodegradable Polyester for Drug Delivery in Cancer Cells
PP_71	Alpana Boruah	Transforming C Peptide Through Strategic Modifications into a Prospective Therapeutic Peptide Hormone for Type 2 Diabetes Mellitus
PP_72	Abinash Padhy	Design and Synthesis of Homoarginine and Shikimic Acid Based Cationic Blockcopolypeptides for Cancer Cell Specific Gene Transfection
PP_73	Abu Raihan Sarkar	Sound Responsive Nanomicelle for Cancer Therapy via Intracellular Reactive Oxygen Species
PP_74	Sourav Jana	Redox Responsive Core Crosslinked Block Copolymer Micelles to Overcome Multidrug Resistance in Cancer Cells
PP_75	Debojit Chakraborty	Disulfide Based Micellar System for Glutathione Responsive Drug Delivery
PP_76	Anchal Gupta	Design and Synthesis of Piperazine Based Water Dispersible Polyurethane Coatings for Biomedical Applications
PP_77	Mekha Mariam Mathew	Development of Biobased Conductive Self-Healing Polymer Blends Based on Natural Rubber Latex Dextrin as Flexible Wearable Sensors for Biomedical Applications
PP_78	Narayan Das	Naphthalene Derived Hyper Branched Polymeric Self Assembly for Monitoring Azoreductase Activity Under Hypoxic Environment
PP_79	Moumita Gupta	Hierarchical Self Assembled Structures of Norbornene Based Amphiphilic Polymers
PP_80	Dona Deb	Silk Based Hydrogel Formulation for Transdermal Delivery of Diclofenac
PP_81	Manisha Khamrai	Histidine Based Reduction Sensitive Star Polymer Inclusion Complex as a Potential DNA Carrier Biophysical Studies Using Time Resolved Fluorescence as an Important Tool
PP_82	Renuka Vijayaraghavan	Fabrication of 3D Bioprinted Gelma Methylcellulose Hydrogel Closely Resembling the Native Corneal Model with Improved InVitro Cytocompatibility and Sustained Keratocyte Phenotype for Enhanced Stromal Regeneration
PP_83	Monisha M	Cationic Porphyrin Incorporated Electrospun Fibres For Effective Photoinactivation Of Bacteria
PP_84	Archana Tanwar	Release Profile Of Curcumin When Loaded In Bare Form And In The Form Of Its Inclusion Complex Via Hydrogel Nanocomposite



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_85	Anushree Mondal	Antioxidant Polymers For The Mitigation Of Cellular Oxidative Stress
PP_86	Komal Verma	Optimizing Sonocatalytic Degradation With Hydrogels Beads Of Nanoparticles For Effective Industrial Wastewater Treatment
PP_87	Kaustubh Naik	Smart 3D Printable Amyloid Based Hybrid Hydrogel Of Bovine Serum Albumin And Hyaluronic Acid As Personalized Treatment Of Diabetic Wound Healing
PP_88	Sangita Rajwar	Photoswitchable Smart Antibacterial Polypeptide Coating For Enhance Antibacterial Activity
PP_89	Ratan Halder	Redox Responsive Norbornene Based Drug Delivery Against Multidrug Resistance For Targeted Cancer Theranostic
PP_90	Asmita Nandi	The Morpholinone Based Dual Drug Conjugated Polymer System An Efficient Multi Stimuli Responsive Theranostic Nano Material For Targeted Cancer Therapy And NIR Imaging
PP_91	Amita Santra	Photopolymer Grafted Polyurethane As A Control Drug Delivery Vehicle For Biomedical Application
PP_92	Rachna Kurian	Synthesis And Characterization Of Acrylamidopropyl Trimethylammonium Chloride Grafted Chitosan Copolymers For Controlled Drug Delivery Applications
PP_93	Pankaj Chaudhary	Evaluation Of Antimicrobial Activity Of Essential Oils Encapsulated In Polyvinyl Alcohol Chitosan Composite Films
PP_94	Niranjan Karak	Biobased Biodegradable Green Polyurethanes And Their Nanocomposites
PP_95	Kalyan Dutta	Smart Bio Based Epoxy Nanocomposites
PP_96	Raghav Poudel	Biobased Sustainable Plastic Nanocomposites
PP_97	Kriti Yadav	Biobased Flexible UV Shielding Epoxy Coatings From Gallic Acid Derivative
PP_98	Ashok Bora	Starch Based Hydrogel Composite With Wastepaper For Agricultural Application
PP_99	Shelly Km	Facile Chemical Modification Of Chitosan And Poly(Vinyl Alcohol) Using Chloroacetic Acids
PP_100	Nidi Shirke	Biobased Epoxy Composite Derived From Renewable Feedstock
PP_101	Akhil A B	Investigation Of Coir Fiber-Reinforced Sustainable Geocomposites
PP_102	Priyanshi Goel	Advanced Reprocessable Thermosets Derived From Polybenzoxazine
PP_103	Kankana Baruah	Expurgation of anionic dyes from contaminated aquatic sources by an organogel for a sustainable environment
PP_104	Kashmiri Borah	Castor Polyol and Cellulose Polyol based biofoams for improved thermal insulation



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_105	Gaurav Rai	Vitrimers derived from polybenzoxazines incorporating dynamic covalent bonds
PP_106	Neha Kanitkar	Epoxidized soyabean oil based UV curable Epoxy Acrylate resin for Digital Light Processing (DLP) 3D Printing
PP_107	Mugdha Shigrekar	Development of Hybrid emulsion from plant based acrylates for adhesive application
PP_108	Pramod Kumar	A phosphorus based olefin linked fully conjugated polymeric ligand for palladium catalysed trans selective dicarbofunctionalization of internal alkynes
PP_109	Mandavi Goswami	Effect of clove bud essential oil in guar gum-chitosan based edible coating on the postharvest shelf life of <i>Khasi</i> mandarin at ambient condition
PP_110	Rahul Ranjan	Rice straw based packaging film
PP_111	Poulami Majumder	Proximity enable photochemical C H bond functionalization using a covalent organic framework confined Fe (IV) species in water
PP_112	Chandan Upadhyay	Catalyst Free Bio Based Dynamic Covalent Adaptable Networks along with Recycling and Self-Healing Properties
PP_113	Ananda Barman	Fabrication and Characterization of Cellulose Acetate based Polymeric films
PP_114	Ashwani P V	High performance epoxy vitrimers based on Schiff base chemistry
PP_115	Shiwani Singh	Synthesis & characterization of an amphiphilic block copolymer derived from amino acid based monomer using xanthate RAFT and its Impact on cell viability and cytotoxicity
PP_116	Priyanka Meena	Development and evaluation of carboxymethyl tamarind kernel gum based pH responsive hydrogel for release of diclofenac sodium
PP_117	Arun Mondal	Poly (disulfide)s by a Three Component Cascade Reaction involving (alfa) Lipoic Acid Thiolactone and Amine: A Therapeutic Architecture for Stable Encapsulation and Controlled Release of Anticancer Drug
PP_118	Soumen Kuila	Probing molecular chirality on the self assembly and gelation of naphthalimide conjugated dipeptides
PP_119	Haripriya Patra	Synthesis of chitosan intercalated hydrogel and their applications in controlled drug release slow fertilizer release and dye intrapment
PP_120	Ravi Pankaj	Amphiphilic Fluorescent Well Defined Living Polymer from Indole 3-carboxaldehyde and 4 Bromo 1 8 Naphthalic anhydride Synthesis and Characterization



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_121	Manideepa Dhar	Design of a self-cleanable multilevel anticounterfeiting interface through covalent chemical modulation
PP_122	Niladri Hazra	Surface modification of the carbon dots via peptide covalent conjugation
PP_123	Loganathan M	Conversion of Waste PET into Bis(2hydroxyethyl)terephthalate for the synthesis of value added Copolycarbonate via Melt depolymerization reaction using Recoverable Yttrium oxide catalyst
PP_124	Surbhi Dhukia	Design synthesis and physicochemical characterization of a few novel poly(ionic liquid)s and their applications
PP_125	Ayan Datta	Tetraphenyl 1 3 butadiene as AIE based building blocks tethered with thiazolothiazole linker to construct different linear and branched polymers having excellent solid state emissive property
PP_126	Debasmita Sarkar	Beta Amine ester Linkage Assisted Design of Substrate Process and Liquid Independent
PP_127	Shubham Verma	Functional Polymers based on Dynamic Boronic Ester Network
PP_128	Swadhin Chakraborty	Designing mechanophoric polymer materials based on Rhodamine and epoxy system
PP_129	Sk Sujauddin	Solvent Geometry Regulated J and H Type Aggregates of Azobenzene Based Organogelator Phase selective thixotropic Gelation and Oil Spill Recovery
PP_130	Santhosh V	Development of Cellulose CNT PVA intelligent films by incorporating anthocyanins of banana bract and their applicability as freshness sensors for fish during storage
PP_131	Chinmoy Kumar Behera	Diketopyrrolopyrrole anchored A alt B type based metallopolymer as fluorescent probe for selective recognition of amino acids
PP_132	Lalmohan Das	Design and synthesis of Perylene Diimide (PDI) Based Donor Acceptor (DA) Type Polymers with Low Energy Band Gap Efficient for Energy Storage Application
PP_133	Dattatray Sutar	Photoreforming of Polystyrene Segmented Glycopolymer Architectures For Green Hydrogen Generation
PP_134	P.M.Hari Babu	RAFTderived poly(vinyl alcohols) and its block copolymer
PP_135	Tilottama Baisakhi	Influence of Spacer effect for Chirality Transformation during Helicity Induction in Chiral Polymers
PP_136	Gopal Lal Dhakar	Hybrid Network of Syndiotactic Polystyrene-Poly(3-octylthiophene-2,5-diyl); Spectral, Morphological, and Rheological Properties



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_137	Bankim Paul	Effect of Substituents of Napthalene Diimide Derivatives On Electrochromic Behaviours Observed in Proto type Devices
PP_138	T. Sandeep Kumar	Glycopolymers architectures for improved biocompatibility and curcumin delivery applications
PP_139	Megha Keshari	Design and synthesis of polymeric catalysts and their applications
PP_140	Sonu Kumar	Study of physiological parameter for Chitosan incorporated with functional cinnamon and coconut oil as dip coated strawberry
PP_141	Hariharan Arumugam	Development of trifunctional polybenzoxazines coated hydrophobic cellulose paper for packaging material applications
PP_142	Navnath Kakde	Continuous Flow Synthesis of Defect free High Molecular weight P(NDI2ODT2) by Stille and DHAP polymerization
PP_143	Vinitha A	Synthesis of CuCo ₂ S ₄ PANI@rGO nanocomposite via hydrothermal method for high performance supercapacitor application
PP_144	Prachuritha Bantumelli	solid polymer electrolytes utilizing catechol-based polyphosphates for 2D channel formation and microstructure enhanced Li ion conductivity
PP_145	Akhil Gorre	Mixed matrix composite PEM with super proton conductivity developed from ionic liquid modified silica nanoparticles and polybenzimidazole
PP_146	Sandip Shelake	Photoreforming of carbazole and quinoline based glucopyranoside macromolecules for green hydrogen evolution
PP_147	Bholanath Ghanti	Synthesis and characterization of sulfonated polytriazoles utilizing 1,4 bis(4 azido 2 (trifluoromethyl)phenoxy)benzene for the proton exchange membrane applications
PP_148	Samaresh Ghosh	Sciff base crosslinker enabled PANI hydrogel synthesis and its electrochemical performance for supercapacitor applications
PP_149	Jagannath Majhi	Development of flexible polymer substrate for organic solar cell application
PP_150	Kumari Priya	Synthesis and Characterization of a Conducting Copolymer Electrode for Energy Storage Applications
PP_151	Subhendu Samanta	Translating conformational controlled solution structure into solid state and their application in Organoelectronics
PP_152	Sourav Jana	A Novel approach to synthesize ferrocene grafted hydroxyl terminated polybutadiene



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_153	Ritu Saraswat	Multicationic alkaline anion exchange membranes of Polybenzimidazole
PP_154	Neelam Gupta	Sidechain modification in conjugated polymer frameworks for the electrocatalytic oxygen evolution reaction
PP_155	Sarvatej Kumar Maurya	The Cooperative enhancement of a novel NiCo ₂ O ₄ ppy composite OER catalyst in alkaline media
PP_156	Deepan M	POLY(PYRROLE) supported NiCoBenzimidazole on Ni foam for high performance supercapacitor application
PP_157	Ingita Tiwari	Heteroatom enriched polybenzoxazine as a precursor for N and O codoped carbon structures for supercapacitor application
PP_158	Sumanta Bera	Metal Organic Framework Derived ZnO Assisted beta Phase Stabilized High Performance PVDF ZnO PDMS rGO Nanocomposite as Piezo Tribo Hybrid Nanogenerator
PP_159	Sudhir Kumar	Copper Doped Polyaniline Wrapped Graphene Oxide for Energy Storage Application
PP_160	Kaviya Nissi D	Synthesis of Metal Complex immobilized conjugated polymer and its application to Supercapacitors
PP_161	Niranjana Sreelal	Phthalonitrile Cyanate ester Blend Resin Infused Carbon Foam Systems with Superior Electromagnetic Interference Shielding Performance
PP_162	Ashitha George	Directional Freezing Induced Self Poled Piezoelectric Nylon 11 Aerogels as High Performance Mechanical Energy Harvesters
PP_163	Shashikant Yadav	Preparation of sodium alginate based conducting hydrogel material and its conductivity studies
PP_164	Arpan Tewary	Studies on the Impact of Variation in Nickel Nitride Nanocatalyst Concentration on the Electrocatalytic Bifunctional Efficiency of Sustainable Electrodes for Alkaline Water Splitting
PP_165	Gopika M	Development and characterisation of MPU CA nHA composite films as flexible tribo piezoelectric nanogenerators
PP_166	Subrata Kumar Maiti	Design principle of high performance SPEEK QMPSF based bipolar membrane for water splitting application
PP_167	Kaviya Sri M	Enhanced dielectric properties of MoWO ₃ metallate fabricated on Polyvinylidene Fluoride for efficient supercapacitor application
PP_168	Aparajita Roy	Energy harvesting from real wastewater using biodegradable polymer based microbial fuel cell



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_169	Ravi Prakash	Nontoxic CuInS ₂ quantum dots sensitized solar cell with functionalized thermoplast polyurethane gel electrolytes
PP_170	Avoy Mondal	Polyether sulfone base Janus membrane for osmotic energy conversion device
PP_171	Madhuparna Ray	Incorporation of MOF based superior proton conductive fillers and antioxidants in SPEEK for enhanced performance and stability in PEM fuel cells
PP_172	Soumalya Bhowmik	Molecular Architectonics Guided Carbon Nitride Polymers for Boosting Sunlight Absorption for Photocatalysis a Combinatorial Approach
PP_173	Pratip Sankar Banerjee	Fabrication of H bonding assisted soft multifunctional liquid metal integrated elastomer architectures for soft matter engineering
PP_174	Arpita Sahoo	Piezoelectric Polymers Used in Mechanical energy harvester
PP_175	Santosh Semwal	Anew Synthetic Polymer Based Bifunctional Catalyst for Water and H ₂ S Splitting
PP_176	Dipanjan Majumder	Unraveling Mechanistic insights in Covalent Organic Frameworks for Highly Efficient Sequestration of Organic Iodides From simulated Nuclear Waste
PP_177	Sonal Sharma	Design Synthesis and Characterization of Redox active Heteroatomic azo based Ligands and their Ru(II) polymers as novel functional material
PP_178	Vysakh C C	Amplifying Plasmonic Chiroptical and Magnetochiral effects Via Peptide Derived Chiral Conjugated Polymers
PP_179	Tapas Kumar Dutta	Vis to NIR Multistate Electrochromic Switching with Covalent Organic Framework Film
PP_180	Saikat Bag	Covalent Organic Framework Thin film Photodetectors from Solution Processable Porous Nanospheres
PP_181	Mumthaz Salim	Polymer Crystallization Enabled Excimer Emission in Anthracene Appended Poly(L-lactide)s
PP_182	Manish Kumar	Functionalized polymer using PET RAFT polymerization
PP_183	Debashish Gogoi	A review on metallization techniques for additively manufactured polymer antenna
PP_184	Rida Sange	Conducting Polymer Based on Dibenzofluorene and Anthraquinone moiety for Optoelectronic Device Application
PP_185	Apparav Wale	Biobased Bisphenol Containing Built-in Alkoxy Group as a Building block for Synthesis of Aromatic (Co)poly(ether sulfone)s Bearing Function Group via Postpolymerization Modification



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_186	Sunita Kumari Malla	Polymerizable porogens Synthesis of multifunctional porous polymers and the influence of branching in the porogenic segment of structure of porous polymer
PP_187	Manu	Inulin based crosslinked superabsorbent hydrogel Synthesis and Characterization
PP_188	Jitendra Kumar	Moringa Oleifera gum cl acrylic acid polyethylene glycol based hydrogel Future scope for wound healing application
PP_189	Nilesh Mote	Phthalate free electron donors for Ziegler Natta catalyst and propylene polymerization
PP_190	Udayan Basak	Controlled Synthesis of PVDF based Affinity Membrane and insight to the Mechanism of Activation
PP_191	Raj Roy	Synthesis and characterization of oligoglycerol based Dendronized amphiphilic polythiourethane
PP_192	Anil Patil	Photoinduced Electron Transfer Reversible Addition Fragmentation Chain Transfer (PET RAFT) Polymerization by New Organic Photocatalysts under Blue Light Irradiation
PP_193	Priyanka Dinda	Acryloyl L Serine Derived Polypeptides with Stimuli Responsiveness Amphiphilicity and Gelation
PP_194	Md Anas	Alkyl Side Chain Functionalization of Poly(L glutamate) can Introduce Thermoresponsiveness Self Assembly and Semicrystallinity
PP_195	Shivam S. Joshi	Gallic Acid Based Rust Conversion and Corrosion Resistant Coating Through Mini Emulsion Process
PP_196	Amul Jain	multi stimuli responsive smart polymeric materials bearing reactive pendant functionalities
PP_197	Maulali Shaikh	Imine Thiophene Ligated Chromium Complex as Single Site Catalyst in Ethylene Polymerization
PP_198	Pranjal Protim Dutta	Comb like polymer poly(alkyl methacrylate) as polymer additive and its rheological study for waxy crude
PP_199	Bitupan Mohan	Poly(eicosyl methacrylate) via reverse ATRP and their Evaluation as Flow Improver for Model oil
PP_200	Yogesh Gaikwad	DLP 3D Printing Demonstrated using Modified PEEK Polymer
PP_201	Sachin Dua	Polymers as corrosion inhibitors for mild steel corrosion prevention
PP_202	Harshita Sardana	Probing of chain collapse
PP_203	Chhanda Mondal	Synthesis of Well-defined Soluble Coil like Polypyridyl Appended Polymers to access Functional Side chain Metallopolymer by Controlled Radical Polymerization
PP_204	Soumita Basu Mallick	Design and synthesis of fluorene based zirconocene catalyst for ethylene polymerization
PP_205	Vaishali Prashar	Thermal and rheological analysis of Cassia Fistula based hydrogel



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_206	Tiyasha Biswas	Norbornene Conjugated Small Molecular Probe based Organogel for removal of Copper from aqueous media
PP_207	Moirangthem Anita Chanu	Fine Tuning of polyfluorene backbond in molecular or aggregated level A new strategy for HSA detection
PP_208	Jagdish Mahindrakar	Study of poly(ether imide)s post introducing triptycene moiety
PP_209	Pooja Tendolkar	Evaluation & optimization of mechanical properties of bio polyol based polyurethane films
PP_210	Tata Birla Sheyara R	Transparent Superhydrophobic Coatings of Silica NanoParticles using Functionalized Polyurethanes
PP_211	Umeshchandra Makwana	Synergistic Enhancement of Polyethylene Characteristics through Graphene Incorporation using Catalyst Driven Polymerization
PP_212	Aradhana Chaudhary	Fabrication of Chitosan based Microgel Enzyme Bioconjugates and Study their Catalytic Application
PP_213	Sazzadur Rahman	Biopolymer Cellulose Nanofiber Composite Film High Strength Chemical Resistant and Printable Material for Packaging Application
PP_214	Puja Kumari	Synthesis and Characterization of polyethylene furanoate (PEF) using Monomer 2,5-Furandicarboxylic Acid (FDCA)
PP_215	Vikash Chandravanshi	Synthesis and Characterization of biobased succinic acid derived Polybutylene succinate(PBS)
PP_216	Sangeetha Karthikeyan	Structure Property Coorelation Studies of Homo Polypropylene Grades of Injection Moulding Applications
PP_217	Daan Kaur	Blends of Polyhydroxybutyrate and Polypyrrole rheological and mechanical properties
PP_218	Mehul Verma	Assessing the Rheological Properties and Self-Healing Capabilities of Moringa and Chitosan based Hydrogel for Bioprinting
PP_219	Shailesh Nagarkar	Influence of spinbath parameters and spinning speed on mechanical properties of Viscose filaments
PP_220	Debabrata Majumder	Effect of alumina addition on the gelation behaviour of Pluronic F127
PP_221	Ehteshamul Islam	Concerted effect of boron and porosity on shear thickening behaviour of hybrid mesoporous silica dispersions
PP_222	Pinaki Pal	Rheological Characteristics of Methylcellulose based TiO ₂ Inks
PP_223	Abhishek Singh	Development and Rheological Performance of Eco-friendly Abrasive Flow Finishing Medium



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_224	Aritri Pal	Effect of chirality on the ferroelectricity of hydrogen bonded supramolecular assemblies of ambipolar systems
PP_225	Leimapokpam Sophia Devi	Study the effect of constituent components of PANI PVA Conductive Hydrogels for Sensing Applications
PP_226	Deepak Yadav	Synergetic Hydrogen bonding and CT Interaction Mediated Hierarchical Assemblies Results in Room Temperature Ferroelectrics Exhibiting Piezo and Pyroelectric Energy Conversion
PP_227	Ipsita Sahu	A Bioinspired Nanoengineered Hydrogel for Versatile Applications
PP_228	Ravi Prakash Behere	Enhancement of the electrochemical performance of a cathodically colored organic electrochromic material through the formation of hydrogen bonded supramolecular polymer assembly
PP_229	Ashis Ghosh	Dynamic metal coordinated and hydrophobically associated mechanically robust hydrogel for multifunctional application
PP_230	Sangita Pandit	Freeze thaw induced metal coordinated stimuli responsive mechanically robust hydrogel for multifunctional application
PP_231	Satyajit Patra	Liquid Liquid Phase Separation (LLPS) as Metastable Process for Kinetically Controlled Synthesis of Supramolecular Polymers
PP_232	Anjali Anand	Emission Enhanced Supramolecular Polymers in Aqueous Medium
PP_233	Jahanvi Ralhan	Fidelity of selfsorting and Mixed Coblock supramolecular polymerization in peptides as minimal structural perturbation for eventual functional response
PP_234	Muhammed Nasik Komalam	Stereocomplex formation of polylactides in gels and aerogels studies on the influence of molecular weight and composition of homopolymers
PP_235	Roja Arivazhagan	Rapid Adsorption of Molecular Iodide by Tripodal Receptor Crosslinked Polymer
PP_236	Saikat Ghosh	Synthesis of Orthogonal Heterostructures through Stereoselective Surface Catalyzed Nucleation
PP_237	Venthanarasu K M	cryptand based crosslinked polymer for iodine adsorption
PP_238	Venthanarasu K M	Octaazacryptand crosslinked polymer for Efficient Iodine Vapor Capture and Water Remediation
PP_239	Bhuvaneshwari Elango	Pillararene based 3D Crosslinked Polymer for Fast and Efficient Iodine Removal from Water
PP_240	Sachin Kumar	Development and Characterization of Hybrid Recycled Polymer Composite Reinforced with Naturally Sourced Basalt Fiber and Groundnut Shell Powder



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_241	Aniruddha R	Structure Property Study of Bio Based Vitrimers Composites
PP_242	Pragti Saini	Presence of Volatile Organic Compounds and Odorous Compounds in Recycled Plastic
PP_243	Arnab Banerjee	Landfill Mined Soil Like Fractions Have Polymer Composting Potential: A Study Using Precision Metagenomics and Geo-Environmental Characterization
PP_244	Aaditya Pandey	Impact Analysis of the Forward Osmosis Process Combined with Ultrafiltration Pre-Treatment in Coconut Water Concentration
PP_245	Salaman Ahamad	Plastic Waste Recycling by Utilizing Advanced 3D Printing Approach
PP_246	Shaista Fatima	Vitrimeric Chemistry as a Tool for Combating the Issue of Plastic Waste Recycling
PP_247	Poorvi Purohit	Study of The Effect of pH on the Thermal Properties of The Various Compositions of Polymer Thermosets With the Cleavable Bonds for the Hydrogen Storage
PP_248	Akshai Gopi	Poly (lactic acid) Vitamin D3 Based Composites for Active Food Packaging Application
PP_249	Raja Samyuktha	Amine Functionalized Green Mesoporous Silica Reinforced Polylactic Acid Based Composite Films for Active Food Packaging
PP_250	Richa Sharma	Chitosan Guar gum Tannic acid Based Composite Films for Active Packaging Application
PP_251	Kona Mondal	Tailoring Curcumin Migration in PLA Based Active Films by Cellulose Nanocrystals and its Application as Secondary Packaging
PP_252	Niranjan Karak	Predicting polymer properties using graph based multi headed attention transformers with hierarchical aggregation
PP_253	Anal Inamdar	QSPR and density functional theory study for estimating the mechanical properties of polymers
PP_254	Aditi Chavan	Polymer Membrane Fuel Cells: Ab Initio Quantum Chemical and Density Functional Theory Perspective
PP_255	Monica Denise R	In Vitro And In Silico Approach Towards Biocidal and Antioxidant Behaviour of Water Soluble Chitosan Dialdehyde Biopolymers
PP_256	Kumar Shanu	A Molecular Simulation study of Barrier property of PLA PBAT Blends with Cellulose Nanocrystals
PP_257	Sonali Kamble	Formulation and modeling of polyol based crosslinking systems
PP_258	Sachin Gautham MB	Nonlinear Rheology of Polymer Grafted Nanoparticle solutions
PP_259	Jyothilakshmi C G	Post-consumer recycling of high density polyethylene lubricant bottles



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_260	Jijo Lukose	Development of a Micro Raman Spectroscopic System for Visualization and Identification of Microplastics from Environmental Samples
PP_261	Shaista Fatima	Application of Vitrimetric Chemistry for the Upcycling of Commodity Polymer Polyvinyl Chloride (PVC)
PP_262	Chandan Kumar Munagala	Upcycling of Fast-moving Consumer Goods Waste Through Catalytic Pyrolysis for Fuel Oil Production: A Strategy for Multilayer Plastic Management
PP_263	Chhandita Chakraborty	Redox Responsive Two Dimensional Assemblies from Chromophore Appended Crystallizable Poly(L lactide) Effect of Variation of Chain Length on Highly Efficient Energy Transfer
PP_264	Soumya Kolay	Enzyme Mediated Disintegration of a Polymeric Scaffold Noncovalent Drug Encapsulation and Targeted Chemotherapeutic Application
PP_265	Shweta Sagar	Highly Efficient and Well Controlled Ring Opening Polymerization and Copolymerization of Cyclic Esters Using a Cesium Complex
PP_266	Priyanku Nath	Binuclear and Mononuclear Aluminum Complexes as Quick and Controlled Initiators of Well-ordered ROP of Cyclic Esters
PP_267	Subhendu Biswas	A Versatile Transesterification Approach for Functional Degradable Polyesters from an Activated Diester Monomer
PP_268	Mohammad Lone	Stereoselective Ring Opening Polymerization of Racemic Lactide by Racemic OrganoCatalyst at Room Temperature Direct Access to Stereocomplex Poly lactides
PP_269	Aiswarya Thattaruthodikayil	TEMPO oxidized Nanofibrillated Cellulose as a Potential Drug Carrier Sustained delivery of Triclosan
PP_270	Tejas Rajput	Enhancing The Mechanical Stability of Carboxymethylcellulose Hydrogels Through Dual Crosslinking: A Comparative Study
PP_271	Ankita Sharma	Tuning the Hydrophobicity of Cellulose Through Controlled Esterification with Various Fatty Acids
PP_272	Kunal Verma	Single-Step Synthesis of Tailored Biodegradable Core-Shell Microparticles for Controlled Herbicide Release in Sustainable Agriculture
PP_273	Kshitij Madhu	Property Optimization of Melt Processed Starch (An Experimental and Computational Study)
PP_274	Sharad Raghuvanshi	Effect of Ionic Liquid Combined Hygrothermal Pretreatment on Porosity Chemical composition and Cellulose Crystalline Structure of Poplar Wood Cell Walls



17th International Conference on Polymer Science and Technology
SPSI-MACRO-2023
Tentative Programme



PP_275	L Susmita Devi	Development of Active Coatings Based on Carnuba Wax and Neem Oil Nanoemulsion for Prolonging Postharvest Shelf Life of Citrus Fruits
PP_276	Prasannatha Bantumelli	Amino Acid Derived Polyhydroxyurethanes as Drug Carriers And Cell Adhesive Scaffolds
PP_277	Pooja Singh	Green Bio Nanocomposite Prepared Using Polylactic Acid and Plant Based Nanoparticle: A Review
PP_278	P Maheswar Reddy	Biodegradable Polymers and the use of Bamboo Foliage in Plaster Reinforcement Ancient Knowledge and Sustainable Applications A Review
PP_279	Kuhelika Das	Pullulan: A Comprehensive Review on its Properties, Production and Multifaceted Applications
PP_280	Badri Rahul	Silk Sericin: A Promising Biomaterial for the Fruit Preservation
PP_281	Pankaj Kumar	A review of 4D printing advanced shape memory polymers in biomedical engineering
PP_282	Surya Kumari Joshi	Non-edible Vegetable Oils as a Source of Green Diesel and Lubricant
PP_283	Deepshika Karki	Structural Characterization of <i>Gajal</i> Soot Obtained from Vegetable Oil
PP_284	P. Paudel	Anti-Cancer Activity of Differently Synthesized Zinc Oxide Nanoparticles in Photodynamic Therapy
PP_285	E. Dongol	Developing New Composite Material by Blending Waste Commodity Plastics with Natural Fibers
PP_286	Amrit Pritam Rout	Studies on Additive Manufacturing using Biodegradable Resins
PP_287	Aniket Baburao Gole	Survey and Studies of Microplastic on Shorelines of Rivers: A Review
PP_288	Shivani Behare	A Concise Overview of PBAT Degradation: Current Insights and Future Prospects
PP_289	Manoj K. Dhal	Melt processed polylactic acid polycaprolactone sawdust based biocomposites trays with enhanced compostability
PP_290	Viraj Nagariya	Studies of Color Migration of Different Colored Polymers in Food Stimulant
PP_291	Kritika Narula	Magnetic nanoparticles coated synthetic receptors for the specific capture and detection of <i>Staphylococcus aureus</i>