MACRO 2017

PROGRAMME DETAILS

International Conference on Polymer Science and Technology

Advances In Polymer Science and New Generation Technologies
SPSI-ACS Jubilee Symposium

January 8-11, 2017
Thiruvananthapuram Kerala, India

sPS

Organized by
SPSI Thiruvananthapuram Chapter

PROGRAMME SUMMARY

SESSIONS	START	END	TITLE			
DAY-1 8th JANUARY 2017	**13:30**	**14:45**	**REGISTRATION**			
	15:00	**16:20**	**INAUGURATION**			
	16:20	17:40	ENDOWMENT AND MEMORIAL LECTURES			
	17:40	***18:00***	***TEA BREAK***			
	18:00	18:40	AWARD LECTURES			
	18:45	19:30	BUSINESS SESSION-1			
	19:30	***21:30***	***CONFERENCE DINNER***			
DAY-2 9th JANUARY 2017	**08:00**	**09:00**	**REGISTRATION**			
	09:00	09:40	KEYNOTE LECTURE			
	09:40	10:15	PLENARY SESSION -1			
	10:15	10:30	BUSINESS SESSION-2			
	10:30	10:35	EXHIBITION INAUGURATION			
	10:35	***11:00***	***TEA BREAK***			
			PARALLEL SESSION-1			
	11:00	12:45	EPM-1	PES-1	GSB-1	NSP-1
	12:45	***14:00***	***LUNCH BREAK***			
	14:00	15:10	PLENARY SESSION-2			
	15:10	15:35	BUSINESS SESSION-3			
	15:35	17:05	POSTER SESSION-1			
	17:05	***17:30***	***TEA BREAK***			
			PARALLEL SESSION-2			
	17:30	18:45	PSC-1	EPM-2	PES-2	GSB-2
	18:45	***19:15***	***SPSI AGM***			
	19:15	***20:15***	***CULTURAL PROGRAMME***			
	20:15	***21:45***	***EXECUTIVE DINNER***			
DAY-3 10th JANUARY 2017	08:45	10:30	SPSI-ACS JUBILEE SYMPOSIUM			
	10:30	***10:50***	***TEA BREAK***			
	10:50	12:35	SPSI-ACS JUBILEE SYMPOSIUM			
	12:35	***14:00***	***LUNCH BREAK***			
			PARALLEL SESSION-3			
	14:00	15:50	NSP-2	PSC-2	EPM-3	PES-3
	15:50	***16:20***	***TEA BREAK***			
	16:05	17:35	POSTER SESSION -2			
	17:35	18:45	PLENARY SESSION-3			
	18:45	19:30	BUSINESS SESSION-4			
	19:30	21:00	***DINNER***			
DAY-4 11th JANUARY 2017	09:00	10:10	PLENARY SESSION-4			
	10:10	***10:40***	***TEA BREAK***			
	10:40	12:30	**PARALLEL SESSION-4**			
			GSB-3	NSP-3	PSC-3	EPM-4
	12:30	***14:00***	***LUNCH BREAK***			
	14:00	15:55	**PARALLEL SESSION-5**			
			PES-4	GSB-4	NSP-4	PSC-4
	16:00	***16:30***	***TEA BREAK***			
	16:30	***17:30***	***CONCLUDING SESSION***			

Venue : **Vizhinjam Hall, Hotel Uday Samudra, Kovalam**

Date: **January 8, 2017**
Time: **15:00 to 16:05 hrs**

15:00 Hrs	**Invocation**	
15:05 Hrs	**Welcome address**	**Dr. Benny K. George** Chairman, Organising Committee, MACRO 2017
15:10 Hrs	**Opening remarks**	**Prof. S. Ramakrishnan** President, SPSI
15:15 Hrs	**Presidential address**	**Dr. K. Sivan** Director, VSSC
15:25 Hrs	**Inauguration & inaugural address**	**Shri A.S. Kiran Kumar** Chairman, ISRO and Secretary, Department of Space
15:40 Hrs	**Release of proceedings & special address**	**Dr. A. Ajayaghosh** Director, NIIST
15:45 Hrs	**Release of Souvenir and special address**	**Dr. V.K. Dadhwal** Director, IIST
15.50 Hrs	**Presentation of SPSI awards**	
15.55 Hrs	**Vote of thanks**	**Dr. R.S. Rajeev** Convener, MACRO 2017
16:05 Hrs	**National Anthem**	

JANUARY 8, 2017		INAUGURAL SESSION		VIZHINJAM HALL
Session Chair: Dr. Suresh Das				
13:30	14:45			REGISTRATION
15:00	16:05			INAUGURATION
16:10	16:50	EL1	MITSUO SAWAMOTO	PRECISION POLYMERIZATIONS AND PRECISION SYNTHESIS OF DESIGNED FUNCTIONAL POLYMERS
16:50	17:30	ML 1	SADHAN C JANA	PROF. S.R. PALIT MEMORIAL LECTURE: CHANGING LANDSCAPE IN POLYMER RESEARCH - CHALLENGES & OPPORTUNITIES
17:30	***17:50***			***TEA BREAK***
17:50	18:10	AL1	GIRIDHAR MADRAS	M SANTAPPA AWARD
18:10	18:30	AL2	SUHRIT GHOSH	KAUSHAL KISHORE MEMORIAL AWARD
18:30	19:10	BL1 BL2 BL3 BL4		ZEBALABS PIDILITE INDUSTRIES XENOCS ATR-ASAHI PROCESS SYSTEM (P) LTD
19:10	***21:30***			***CONFERENCE DINNER***

JANUARY 9, 2017 SESSION 1 VIZHINJAM HALL				
Session Chair: Dr. Sivaram S				
08:00	***09:00***			***REGISTRATION***
09:00	09:40	KN1	SUMIO IIJIMA	ONE-DIMENSIONAL NANOMATERIALS: THEIR STRUCTURE CHARACTERIZATION AND GROWTH
09:40	10:15	PL1	NINAN K N	POLYMERS FOR SPACE APPLICATIONS: AN OVERVIEW OF THE INDIAN SCENARIO
10:15	10:30	BL5 BL6		ATUL LTD CHROMLINE EQUIPMENT PVT.LTD
10:30	10:35			EXHIBITION INAUGURATION
10:35	**11:00**			**TEA BREAK**
JANUARY 9, 2017 SESSION 2 (EPM 1) VIZHINJAM HALL				
Session Chair: Prof. Sunil K.N. Kutty				
11:00	11:25	SL1	ASHISH LELE	UNUSUAL RHEOLOGY OF STAR TELECHELIC POLY(LACTIDE) IONOMERS
11:25	11:45	IL1	SUJITH NAIR S	TYRE MATERIAL TECHNOLOGY – PRESENT STATUS AND FUTURE TRENDS
11:45	12:00	OL1 MACRO 216	VIJAYAKRISHNA KARI	APPLICATIONS OF POLYIONIC LIQUIDS IN ORGANIC SYNTHESIS
12:00	12:15	OL5 MACRO 348	AMAL NARAYANAN	SOLVENT-FREE, PHOTOCURABLE MUSSEL-INSPIRED POLYESTER ADHESIVE FROM RENEWABLE RESOURCES FOR UNDERWATER ADHESION
12:15	12:30	OL9 MACRO 351	INDULEKHA K	NOVEL POLYSILOXANES WITH INHERENT FLAME RETARDANCY: SYNTHESIS AND CHARACTERISATION
12:30	12:45	OL13 MACRO 438	BALA THOTA NS	UNDERSTANDING THE DYNAMICS OF MULTICOMPONENT BTA NANOFIBERS IN AQUEOUS SOLUTIONS

JANUARY 9, 2017 SESSION 3 (PES 1) SEA VIEW HALL				
Session Chair: Dr. Sharma SC				
11:00	11:25	SL2	SHU SEKI	BACKBONE CONFIGURATION OF CONJUGATED POLYMERS AT THE INTERFACES AND UNDER HIGH PRESSURE – ASSESSED BY NON-CONTACT MICROWAVE-BASED CONDUCTIVITY MEASUREMENTS
11:25	11:45	IL2	TUSHAR JANA	NANOCHANNELS IN THE POLYMER ELECTROLYTE MEMBRANE FOR THE PRODUCTION OF GREEN ENERGY
11:45	12:00	OL2 MACRO 408	RENJITH S	RENEWABLE RESOURCE BASED IONIC LIQUID CRYSTALS FOR SAFE AND SUSTAINABLE ENERGY STORAGE
12:00	12:15	OL6 MACRO 205	KALAIYARASI A	SYNTHESIS AND CHARACTERIZATION OF PARTIALLY FLUORINATED, QUATERNIZED ANION EXCHANGE MEMBRANE FOR ALKALINE WATER ELECTROLYSER APPLICATIONS
12:15	12:30	OL10 MACRO 246	CHAYANIKA DAS	FLEXIBLE MICRO-SUPERCAPACITOR USING SILK AND COTTON
12:30	12:45	OL14 MACRO 460	DIBAKAR DHARA	MODIFICATION OF FUNCTIONAL GROUPS IN BLOCK COPOLYMERS TO SYNTHESISE VARIOUS NANOSTRUCTURES
JANUARY 9, 2017 SESSION 4 (GSB 1) TEMPLE VIEW HALL 1				
Session Chair: Prof. Anirudhan TS				
11:00	11:25	SL3	BENJAMIN HSIAO S	NANOCELLULOSES FOR WATER PURIFICATION
11:25	11:45	IL3	ABRAHAM JOY	PEPTIDOMIMETIC POLYESTERS AND POLYURETHANES: A MODULAR BIOMATERIALS PLATFORM WITH DIVERSE APPLICATIONS
11:45	12:00	OL3 MACRO 329	ASHA SUSAN CHACKO	TEMPLATED SYNTHESIS OF PH TRIGGERED HYDROLYTICALLY CLEAVABLE POLYLACTIC ACID HOLLOW SPHERES USING SELF-ASSEMBLED LAYERED SILICATE POLYSTYRENE HYBRID
12:00	12:15	OL7 MACRO 453	MIJANUR RAHAMAN MOLLA	PROTEIN INDUCED DISASSEMBLY AND RELEASE OF GUEST MOLECULES FROM A BIODEGRADABLE NANOCONTAINER
12:15	12:30	OL11 MACRO 163	MANASA MOHAN A	PREPARATION AND CHARACTERIZATION OF NOVEL DUAL DRUG LOADED HYDROGEL FOR COMBINATION THERAPY

12:30	12:45	OL15 MACRO 256	SWECHCHHA PANDEY	HIGHLY REGIOSELECTIVE ISOMERIZING-HYDROFORMYLATION OF PLANT OILS TO MONOMERS AND SUSTAINABLE POLYMERS
JANUARY 9, 2017		**SESSION 5 (NSP 1)**		**TEMPLE VIEW HALL 2**
Session Chair: Prof. Unnikrishnan G				
11:00	11:25	SL4	SABU THOMAS	ENGINEERING AT THE NANOSCALE: A STRATEGY FOR DEVELOPING HIGH PERFORMANCE FUNCTIONAL MATERIALS
11:25	11:45	IL4	KAZUNORI SUGIYASU	LIVING SUPRAMOLECULAR POLYMERIZATION
11:45	12:00	OL4 MACRO 502	YUDHAJIT BHATTACHARJEE	LAYER-BY-LAYER CONSTRUCTION OF ULTRATHIN NANOARCHITECTURE FOR SCREENING ELECTROMAGNETIC RADIATION
12:00	12:15	OL8 MACRO 425	RAMKRISHNA SARKAR	JANUS FOLDED STRUCTURES BASED ON ALTERNATING PERIODICALLY GRAFTED POLYMERS
12:15	12:30	OL12 MACRO 486	RAJENDER NUTENKI	GRAPHENE MODIFIED POLYMERIC SURFACTANT: SYNTHESIS, CHARACTERIZATION AND APPLICATION FOR NARROW DISPERSE POLYSTYRENE NANOPARTICLES
12:30	12:45	OL16 MACRO 193	SAROJADEVI MUTHUSAMY	POSS AND GRAPHENE OXIDE BASED POLYMERIC NANOCOMPOSITES FOR HIGH PERFORMANCE APPLICATIONS
12:45	***14:00***			***LUNCH BREAK***
JANUARY 9, 2017		**SESSION 6**		**VIZHINJAM HALL**
Session Chair: Dr. Pillai CKS				
14:00	14:35	PL2	YVES GNANOU	TRANSITION METAL-FREE ANIONIC COPOLYMERIZATION OF CO2 AND EPOXIDES
14:35	15:10	PL3	JOHN REYNOLDS R	CONJUGATED POLYMERS IN REDOX ACTIVE DEVICES: ELECTROCHROMISM AND CHARGE STORAGE
15:10	15:35	BL7 BL8 BL9		ENGLISH INDIAN CLAYS LTD HUBER INDIA PVT LIMITED METROHM INDIA LIMITED

JANUARY 9, 2017	POSTER SESSION 1	15.35-17.05
ELASTOMERS, POLYMER PHYSICS AND MODELING (EPM)		
MACRO 117	Influence of Long Chain Branching on Necking Behaviour in Melt Extruded Cast Polyethylene Films Rokade, Dhammaraj; Mulay, Apoorv; Lele, Ashish; Pol, Harshawardhan CSIR-National Chemical Laboratory, Polymer Sci. &Engg. Div., Pashan, Pune – 411008.	
MACRO 149	Segmental motions in PDLLA at the Glass transition temperature, probed using Solid-state NMR Kavalakal Mathai Eldho , P.R. Rajamohanan, Poorvi Purohith,Neelima Bulakh, Ashish Lele,T.G. Ajithkumar Central NMR Facility, Physical Chemistry Division,Polymer Science and Engineering Division, National Chemical Laboratory, Pune 411 008, India.	
MACRO 151	Effect of increasing soft segments on properties of polyurea for blast mitigating applications Iqbal Nahid [a,b], Mitra Arnab[c], Kumar Devendra[b], Roy Prasun Kumar[a] [a]Centre for Fire, Explosive and Environment Safety, DRDO, Timarpur, Delhi 110054, India. [b]Department of Applied Chemistry and Polymer Technology, Delhi Technological University, Delhi 110042, India.[c]Department of chemical Engineering, Birla Institute of Technology and Science, Pilani-333031.	
MACRO 165	A Kinetics Study of Light-Induced E–Z Isomerization in Sol, Gel, Xerogel, and Powder States of an Anthracene-Based Organogelator: Fiber to Crystal Transformation Mondal Sanjoy, Chakraborty Priyadarshi, Nandi Arun K Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700 032, India.	
MACRO 171	Development of New Thermoplastic Elastomeric Polyamide Blends by Electron-Induced Reactive Processing Shib Shankar Banerjee, Uwe Gohs and Gert Heinrich Leibniz-Institut für Polymerforschung Dresden e.V., D-01069 Dresden, Germany.	
MACRO 194	Nylon: Past, Present and Future Perspectives Anuj Mittal, Suchetana K Shetty Engineering Plastics Business, SRF Limited, Manali Industrial Area, Manali, Chennai 600076.	
MACRO 209	Oriented crystallization templated in aligned multi-walled carbon nanotubes arrays Das, N. C*[a], Das, Poushali[b], Ganguly, Sayan[b], Banerjee S[c] [a]Rubber Technology Centre, Indian Institute of Technology, Kharagpur-721302, India. [b] School of Nanoscience and Technology, Indian Institute of Technology, Kharagpur-72130, India.[c]Materials Science Centre, Indian Institute of Technology, Kharagpur-721302, India.	
MACRO 252	Reversible ShapeSwitching Phenomena In Linear Thermoplastic Polyurethane Through Molecular Flipping: Potential Application As Smart Gripper Arpan Biswas, Pralay Maiti School of Materials Science and Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi 221 005, India.	

MACRO 254	Crystallization kinetics, fold surface free energy in immiscible polymer blend pvdf/abs in presence of functionalized multiwall carbon nanotubes Goutam Prasanna Kar; Suryasarathi Bose Department of Materials Engineering, Indian Institute of Science, Bangalore 560012, India.
MACRO 262	Electro-spinning of non-ionic cellulose ethers and characterization by atomic force microscopy, scanning electron microscopy and contact angle measurements A.C. Wali [a] Y. Zhang [b], Y. Higaki [b], A. Takahara [b], M. V. Badiger [a] [a]Polymer Science and Engineering Division, CSIR-National Chemical Laboratory, Dr.Homi Bhabha Road, Pune 411008, India. [b]Institute of Material Chemistry and Engineering (IMCE), Kyushu University, 744 Motooka Nishi-ku, Fukuoka 819-0395, Japan.
MACRO 263	Effect of Sepiolite on Non-isothermal Crystallization Kinetics of Polypropylene Bindu Manchanda[a], K.K. Vimal [b], G. S. Kapur[b], Shashikant[b], Veena Choudhary[a] [a]Centre for Polymer Science and Engineering, Indian Institute of Technology, Hauz Khas, New Delhi 110016.[b]Indian Oil Corporation Ltd., Research & Development Centre, Sector 13, Faridabad, Haryana, 121007.
MACRO 280	Mechanical & Electrical Properties of sPS/P3HT Composites Samanta, Ketaki; Malik, Sudip Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700032, India
MACRO 297	Biomimetic crystallization of polylactide and the development of polymeric brick-and-mortar semi-crystalline microstructure S. Sabapathy, [a] C.B Park [b], A.K Ghosh [a] [a]Centre for Polymer Science and Engineering, Indian Institute of Technology Delhi, New Delhi, India.[b]Department of Mechanical and Industrial Engineering, University of Toronto, Toronto, Canada.
MACRO 298	Effect of chain length on properties predicted by Molecular dynamics simulations Nityanshu Kumara, Sushanta Kumar Sethia, Gaurav Manik Department of Polymer and Process Engineering, Indian Institute of Technology Roorkee, Saharanpur Campus, Saharanpur-247001, India.
MACRO 307	Rheology and foamability of styrene-ethylene/butylene-styrene (sebs)/ polystyrene blends Ritima Banerjee,[a] Suprakas Sinha Ray ,[b] Anup K. Ghosh[a] [a] Centre for Polymer Science & Engineering, IIT Delhi, New Delhi-110016. [b] DST/CSIR Nanotechnology Innovation Centre, National Centre for Nanostructured Materials, Council for Scientific and Industrial Research, Pretoria-0001, South Africa.
MACRO 317	Effect of Compatibiliser on Morphology and Melt Extensional Properties of Halloysite Nanotubes -Filled High Density Polyethylene V. P. Singh[a], K.K. Vimal[b] and G. S. Kapur[b], Shashikant, Veena Choudhary[a] [a]Centre for Polymer Science and Engineering, Indian Institute of Technology New Delhi, India 110016.[b]Indian Oil Corporation Ltd. Research & Development Centre Sector 13, Faridabad, Haryana, India 121007.

MACRO 320	Design and Development of acrylonitrile (AN) and methylmethacrylate (MMA) copolymers for improving the scratch and mar properties of Polymethylmethacrylate (PMMA) Rai, Roopali [a]; Sikder, Arun [a]; Nandi, Sangita [a]; Tanwar Akhilesh [a]; Khatokar, Rukmini [a]; Pask, Stephen D. [b]; and Mitra, Susanta [a] [a] SABIC, Bangalore-562125, India. [b] SABIC, Riyadh, Kingdom of Saudi Arabia
MACRO 330	Synergistic effect of nucleation / stereocomplexation with plasticizer On crystallization of poly(lactic acid) Susheela B. Idage, Megha D. Deokar, Bhaskar B. Idage Polymer Science & Engineering Division, CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pune - 411 008, INDIA
MACRO 345	Processing and nanoclay induced piezoelectricity in poly(vinylidene fluoride-co-hexafluoro propylene) nanohybrid for device application Anupama Gaur[a], Rahul Shukla[b], Kumar Brajesh[c], Sandeep Chatterji[d], Rajeev Ranjan[c] Pralay Maiti[a] [a]School of Materials Science and Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi, 221005, India.[b]Indus Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology, Indore,452013, India.[c]Department of Materials Engineering, Indian Institute of Science, Bangalore, 560012, India.[d]Department of Physics, Indian Institute of Technology (Banaras Hindu University), Varanasi, 221005, India.
MACRO 346	Optimization of PMMA Microcapsules using Taguchi Approach to Improve Self-Healing Performance of Polymer Composites Sharma, Shilpi, Choudhary Veena, Nibhani Leena. Centre for Polymer Science & Engineering, Indian Institute of Technology Delhi, New Delhi (India)
MACRO 349	Novel Polysiloxanes with Inherent Flame Retardancy: Synthesis and characterization K. Indulekha [a], Deepthi Thomas[b], R.S. Rajeev[a] , Gouri Cheruvally[c] [a]Polymers and Special Chemicals Division,[b]Analytical and Spectroscopy Division, [c]Polymers and Special Chemicals Group,Vikram Sarabhai Space Centre, Thiruvananthapuram 695 022, Kerala, India
MACRO 356	Dielectric Evaluation of Polymer Matrix Composites for Stealth Applications Jayalakshmi C. G, Narendhara Kumar, Vishal Madhukar Gavande Composites Research Center, Research and Development Establishment (Engrs) (DRDO), Kalas Road, Dighi, Pune, Maharashtra -411015, INDIA.
MACRO 359	Investigation on Toughening of Epoxy Resin with addition curable PEEK Leena K, Temina Mary Robert, Dona Mathew Polymers and Special Chemicals Division, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala-695022, India.
MACRO 360	Space Durable Siloxane Based Thermal Control Coatings With Tailored Optical Properties For Spacecraft Structures Archana T.S[a], Ann Mathew[b], R.S.Rajeev[b] [a]S.N. College, Kollam. [b]Polymers and Special Chemicals Division, Vikram Sarabhai Space Centre, Trivandrum

MACRO 362	Tetrazole Functionalized Hydroxyl Terminated Polybutadiene polyurethane Moumita Dhara, Bikash kumar Sikda, Tushar Jana School of Chemistry, University of Hyderabad, Hyderabad-500046
MACRO 363	Mechanical characterisation and sorption studies of aromatic solvents through acrylonitrile-butadiene rubber-chitosan biocomposites Meril Shelly, Sini K.S., Tania Francis Post Graduate and Research Department of Chemistry, St. Joseph's College Autonomous, Devagiri, Calicut -8.
MACRO 367	Room temperature processable heat resistant epoxy-oxazolidone based syntactic foams Soorya Nair [a], Temina Mary Robert [b], Sunitha K. [b], Dona Mathew [b] and C.P. Reghunadhan Nair [c] [a]DB College, Sasthankotta, Kollam,[b]Polymers and Special Chemicals Division,Vikram Sarabhai Space Centre, Thiruvananthapuram Kerala, India-695022. [c] Cochin University of Science and Technology, Kerala, India.
MACRO 378	Coconut oil plasticized poly (lactic acid): influence of coconut oil on morphological, rheological and gas barrier properties Bhasney Siddharth, Patwa Rahul, Kumar Ami, Katiyar Vimal* Department of Chemical Engineering, Indian Institute of Technology, Guwahati, Assam, India
MACRO 382	Tuning base polymer molecular weight and filler composition for optimum cure, mechanical and rheological properties of PDMS based one part RTV adhesive Smitha C Sukumaran, Prasanta Kumar Behera, R. Pravin, R. S. Rajeev Polymers and Special Chemicals Division, Propellant, Polymers and Chemicals Entity Vikram Sarabhai Space Centre, Thiruvananthapuram-695 022.
MACRO 385	Recyclable polylactic acid grafted cellulose nanocrystal films through reactive extrusion approach Dhar Prodyut, Kumar Ami, Katiyar Vimal * Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati-781039.
MACRO 386	Early prediction of polymer degradation due to weathering A.K. Sikder, Parthipan B, Chandrashekhar L SABIC Research & Technology Pvt. Ltd, Sarjapura, Bangalore -562125, India.
MACRO 562	Novel High Temperature Resistant Materials Based on Polycyclic Silicones for Space Applications Indulekha K [a], R.S.Rajeev[a], Dona Mathew[a],Gouri C[b], K.N. Ninan[c] [a]Polymers and Special Chemicals Division,[b]Polymers and Special Chemicals Group, [c]IIST, Trivandrum,Vikram Sarabhai Space Centre, Thiruvananthapuram-695 022.
MACRO 564	Acrylonitrile-Butadiene Rubber for Dynamic Application in Semi-Cryogenic Rocket Engine: Effect of Filler Loading Tushar Shriram Bhatt, Shashi Bhushan Singh, Shaikh Mujeeb, Ratheesh S., Elizabeth John Propellants Engineering Division,PSCG/PCM Entity, VSSC, Thiruvananthapuram.

GREEN, SUSTAINABLE AND BIOPOLYMERS (GSB)	
MACRO 113	Metal organic frameworks as accelerators for ring opening polymerisation of bio-based benzoxazines Sharma Pratibha [a,b], Srivastava Manju [a,c], Lochab Bimlesh [d], Kumar Devendra [b], Ramanan Arunachalam [c], Roy Prasun Kumar [a] [a]Centre for Fire, Explosive and Environment Safety, DRDO, Timarpur, Delhi 110054, India. [b]Department of Applied Chemistry and Polymer Technology, Delhi Technological University, Delhi 110042, India.[c]Department of Chemistry, Indian Institute of Technology Delhi, New Delhi-16, India. [d]Department of Chemistry, School of Natural Sciences, Shiv Nadar University, UP 201314, India.
MACRO 122	Mesoporous and Hollow Polymers Nanostructure for Drug Delivery Paik Pradip School of Engineering Sciences and Technology, University of Hyderabad, 500 046 India.
MACRO 126	Galactitol Based Polyesters for Biomedical Applications Janeni Natarjan[a], Sahitya Movva[b], Kaushik Chatterjee[c], Giridhar Madras[b] [a]Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore 560012, India.[b] Department of Chemical Engineering, Indian Institute of Science, Bangalore 560012, India.[c]Department of Materials Engineering, Indian Institute of Science, Bangalore 560012, India.
MACRO 137	Electrospun matrices from advanced emulsion electrospinning approach Archana Samanta, Bhanu Nandan, Rajiv Srivastava Department of Textile Technology, Indian Institute of Technology-Delhi, Hauz Khas, New Delhi 110016 India
MACRO 145	Amphiphilic co-network gels of agarose graft copolymer and polycaprolactone-b-polyethylene glycol-b-polycaprolactone for biomedical application [a,b]chandel, arvind kumar singh, [a]bhingaradiya, nutan, [a,b]jewrajka suresh kumar [a]Reverse osmosis membrane division, csir-central salt and marine chemicals research institute, bhavnagar, gujarat 364002, india. [b]acsir-central salt and marine chemicals research institute, csir-central salt and marine chemicals research institute g. B. Marg, bhavnagar, gujarat 364002, india.
MACRO 157	Water Soluble Poly(ethylene glycol) Methyl Ether Acrylate Containing Polysulfide Polymers via Interfacial Polycondensation Kapil Dev Sayala, Ujjal Haldar, Priyadarsi De Polymer Research Centre, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur - 741246, Nadia, West Bengal, India.
MACRO 159	Adsorption and photocatalytic degradation studies of enrofloxacin using polyacrylic acid-grafted-carboxylic graphene/titanium nanotube composite T. S. Anirudhan, Shainy F, Deepa J R, Anoop S Nair, Manasa Mohan A Department of Chemistry, School of Physical and Mathematical Sciences, University of Kerala, Kariavattom, Trivandrum-695 581, Kerala, India.
MACRO 160	Fabrication of solvent responsive transdermal device for the efficient treatment of skin cancer Anirudhan T S, Anoop S Nair, Sabari J Bino, Deepa J R, Shainy F, Manasa Mohan A Department of Chemistry, School of Physical and Mathematical Sciences, University of Kerala, Kariavattom,Trivandrum-695581, Kerala, India.

MACRO 166	Prodrug immobilized nanoparticles of human serum albumin and PLGA for treatment of colorectal cancer Patel Pratikshkumar R, Rathna Gundloori Polymer Science and Engineering, CSIR National Chemical Laboratory, Pune 411008, India.
MACRO 172	Polymer-Chlorambucil Drug Conjugates: A Dynamic Platform of Anticancer Drug Delivery Saha, Biswajit, Haldar, Ujjal, De, Priyadarsi Polymer Research Centre, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur - 741246, Nadia, West Bengal, India.
MACRO 175	Injectable, Elastic and Conducting Hydrogel for Tissue Engineering Applications Komeri Remya and Muthu Jayabalan Sree Chitra Tirunal Institute for Medical Sciences and Technology, Polymer Science Division, BMT Wing, Thiruvananthapuram – 695 012, Kerala State, India.
MACRO 178	Synthesis, characterization and in-vitro studies of folic acid decorated graphene oxide/chitosan nanocomposites for cancer drug delivery Ananya Deb, Vimala.R School of Biosciences and Technology, VIT University, Vellore, Tamilnadu, India-632014
MACRO 179	Synthesis and Characterization of Sodium Alginate / Gelatin /Hydroxyapatite Green Nanocomposites Mohanan, A Department of Chemistry, Nehru Arts & Science College, Kanhangad, Kerala, India
MACRO 187	Microwave assisted polymerization of water soluble monomers Poorvi M. Purohit, Gajanan M. Pawar and Deepa A. Dhoble Polymer Science and Engineering Division, National Chemical Laboratory, Pune 411008, India.
MACRO 190	Designing double network hydrogels for biomedical applications Sanoop B. Nair, Arun Torris A. T., Manohar V. Badiger Polymer Science and Engineering Division, CSIR – National Chemical Laboratory, Pune-411008, India
MACRO 192	Polycarbonate-based biodegradable copolymers for stimuli responsive targeted drug delivery P. Kumar, M. N. Ganivada, P. Kanjilal, R. Shunmugam Polymer Research Centre, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur-741246
MACRO 198	Norbornene based copolymer for site-specific theranostic application S. Mukherjee, D. Patra, R. Shunmugam Polymers Research Centre, Department of Chemical Sciences, IISER- Kolkata, Mohanpur, Nadia-741246, India
MACRO 199	A New Class of Fe(III) Containing Norbornene Copolymer: Very Efficient Theranostic Agent for Cancer Therapy Patra, D, Shunmugam, R Polymer Research Centre, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur-741246

MACRO 204	Synthesis and characterization of n-vinyl-2-pyrrolidone based graft copolymers for delivery of levofloxacin Kumar Ashok, Deepak, Sharma Swati, Afgan Sere, Kumar Rajesh Organic Polymer Laboratory, Department of Chemistry, Centre of Advanced Studies in Chemistry, Banaras Hindu University, Varanasi-221005, UP, India,
MACRO 206	Modulation of protein adsorption and cell proliferation on polyethylene immobilized graphene oxide reinforced hdpe bionanocomposites Upadhyay, Rahul [a]; Naskar, Sharmistha [c]; Bhaskar, Nitu [a]; Bose, Suryasarathi [b]; Bikramjit Basu [a, c] [a]Laboratory for Biomaterials, Materials Research Center, Indian Institute of Science, Bangalore-560012, India.[b]Department of Materials Engineering, Indian Institute of Science, Bangalore-560012, India. [c]Center for Biosystems Science and Engineering, Indian Institute of Science, Bangalore-560012, India.
MACRO 223	Novel Borassus fiber-reinforced polylactic acid composites: processing and mechanical properties Y. N. Marathe, M. V. Badiger Polymers Science and Engineering Division, CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pune-411008, India
MACRO 233	Enhanced drug release by selective cleavage of crosslinks in a double crosslinked hydrogel Neha Tiwari, Manohar V. Badiger Polymer Science & Engineering Division, National Chemical laboratory, Pune-411008, India.
MACRO 236	Study of swelling characteristics and mechanical properties of 2-acrylamido-2-methylpropane sulphonic acid (amps) based hydrogels Chaurasia Siddhant[a], Singh Neelima[b], Shaikh Vasi[c], Tiwari Neha[d], Badiger Manohar [e] [a]Student, Polymer Engineering, Maharashtra Institute of Technology, Pune, India. [b]Student, Polymer Engineering, Maharashtra Institute of Technology, Pune, India. [c]Professor, Polymer Engineering, Maharashtra Institute of Technology, Pune, India. [d]Senior Research fellow, Polymer Science and Engineering, CSIR-National Chemical Laboratory, Pune, India.[e]Chief Scientist, Polymer Science and Engineering, CSIR-National Chemical Laboratory, Pune, India.
MACRO 238	Modification and hydrogel preparation of chitosan for controlled drug delivery and tissue engineering Arun Kumar Mahanta, Pralay Maiti School of Materials Science and Technology, IIT (BHU), Varanasi- 221 005, India.
MACRO 239	Nanostructure regulated in vitro-in vivo controlled delivery of hydrophobic anticancer drug Sudipta Senapati,[a] Dipak Rana[b], Reshmi Shukla[c], Y.B. Tripathi[c] and Pralay Maiti [a] [a]School of Materials Science and Technology, Indian Institute of Technology (Banaras Hindu University) Varanasi 221005, India.[b]Industrial Membrane Research Institute, Department of Chemical and Biological Engineering, University of Ottawa, 161 Louis Pasteur St., Ottawa, ON, Canada KIN 6N5. [c] Department of Medicinal Chemistry, Institute of Medical Science, Banaras Hindu University, Varanasi 221005, India.

MACRO 241	Mechanically tunable curcumin incorporated polyurethane Hydrogels as potential biomaterials V.D. Anumon, B.A. Lal, S.S. Sachin, A.T. Arun Torris, M.V. Badiger Polymer Science and Engineering Division, c Physical and Material Chemistry Division, CSIR–National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411008, India
MACRO 244	Nano-curcumin encapsulates for targeted cancer therapy Amarnath Singam, GVN Rathna Polymer Science and Engineering Division, CSIR-National Chemical Laboratory, Pune-411008, India
MACRO 253	Effect of Different Cross – Linkers on Structure and Stability of Polyacrylamide Hydrogels Khandai Santripti, K. Mithra, Jena S. Sidhartha Department of Physics & Astronomy, National Institute of Technology Rourkela, Rourkela 769008, Odisha, India
MACRO 255	Synthesis, characterization and application of dextrin grafted polyurethane co polymers Shukla, A, Maiti,P. School of Materials Science and Technology, IIT BHU, Varanasi-221005, Uttar Pradesh.
MACRO 258	Self Assembled Nanostructures from Amphiphilic Mannose 6-phosphate Glycopolypeptides for Lysosome Targeting Pandey, Bhawana; Mondal, Basudeb, Sen Gupta, Sayama Chemical Engineering Division, CSIR National Chemical Laboratory, Dr. Homi Bhabha Road, Pune - 411008, India
MACRO 266	Copolymerization studies of allyl glycidyl ether with different hydrophobic methacrylates: lipase immobilization study Rajdeo Kishor,[a,b] Tayal Rajiv,[a] Mule Smita,[a] Ponrathnam Surendra,[a] Pardeshi Satish [b] and Chavan Nayaku [a] [a] Polymer Science and Engineering Division, CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pashan, Pune-411 008, India.[b] Department of Chemistry, Savitribai Phule Pune University (Formerly University of Pune), Ganeshkhind, Pune-411 007, India.
MACRO 336	Synthesis and Characterization of Surface functionalized and Quaternised Dendrimers for Bio Medical Applications E. Murugan, V. Yogaraj Department of Physical Chemistry, School of Chemical Sciences, University of Madras, Maraimalai Campus, Guindy, Chennai – 600 025, Tamil Nadu.
MACRO 563	Manufacture of small prosthetic joint surfaces that resist microbial colonisation Maria G Katsikogianni[a], David W Williams[b], Ian Fallis[c], Athanasia Dervisi[c], Anna M Snelling[d],Seni Chanapai[c], Colin A Grant[a], Mark GJ Waters[f], Sam Evans[e], Paul Milward[b], Melanie J Wilson[b], Ben R Whiteside[a]. [a]Advanced Material Engineering, Faculty of Engineering and Informatics, University of Bradford, UK.[b]School of Dentistry, Cardiff University; [c]School of Chemistry, Cardiff University; [d]School of Medical Sciences, Faculty of Life Sciences, University of Bradford,[e]School of Engineering, Cardiff University; [f]MBI Wales Ltd, *Current address: School of Chemistry, Faculty of Life Sciences, University of Bradford, UK.

NANOSTRUCTURES, SELF-ASSEMBLY AND SUPRAMOLECULAR POLYMERS (NSP)	
MACRO 121	Amphiphilic and pH Responsive Functionalized Hyperbranched Copolymer: Self Assembling from Polymersomes to Aggregates and Waste Water Treatment through Host-Guest Applications Das Tamalika, Sengupta Srijoni, Bandyopadhyay Abhijit Department of Polymer Science & Technology, University of Calcutta, 92 A.P.C Road, Kolkata 700009, West Bengal, INDIA
MACRO 125	Synthesis and characterization of HMDA-PCNSL modified kaolin (PBT-H) as a reinforcing filler in rubber/clay nanocomposites R. V Sreelekshmi [a], Dr. J. D Sudha[b], Dr. A. R. R Menon [a] [a] Material Science and Technology Division (MSTD), [b] Chemical Science and Technology Division (CSTD), CSIR-National Institute for Interdisciplinary Science & Technology (NIIST), TVM.
MACRO 128	Au@SiO2@PSS Hybrid Nanostructures Prepared via Block Copolymer Template Approach: Catalytic Studies Aruni Shajkumar,[a] Bhanu Nandan,[b] Victoria Albrecht, [a] Myong-Hoon Lee,[c] Manfred Stamma,[d] and Andriy Horechyy [a] [a] Leibniz-Institut für Polymerforschung Dresden e.V., Hohe Straße 6, Dresden D-01069, (Germany). [b] Department of Textile Technology, Indian Institute of Technology Delhi, New Delhi 110016 (India).[c] The Graduate School of Flexible and Printable Electronics, Center for Polymer Fusion Technology, Chonbuk National University, Jeonju, Chonbuk 561-756 (South Korea).[d] Technische Universität Dresden, Physical Chemistry of Polymeric Materials, Dresden D-01062 (Germany)
MACRO 130	Environmentally Friendly Approaches to the Synthesis of Silver Nanoparticles (Ag-NPs) Using Polymeric Materials Extracted from Plants Songca SP[a] Oluwafemi OS[b] [a]Department of Chemistry, Walter Sisulu University, Private bag X1, Mthatha, 5117, South Africa.[b]Department of Applied Chemistry, University of Johannesburg, P.O. Box 17011, Doornfontein 2028, Johannesburg, South Africa.
MACRO 133	Triggered Supramolecular Polymerization Pal, D. S.; Kar, H. and Ghosh, S Polymer Science Unit, Indian Association for the Cultivation of Science Kolkata 700032 India
MACRO 135	Fractionated crystallization behaviour of semicrystalline polymers under confinement in electrospun nanofibers of polymer blends Samanta, Pratick[a] Srivastava, Rajiv[a], Nandan, Bhanu[a] Chen, Hsin-Lung[b] [a] Department of Textile Technology, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016 (India).[b] Department of Chemical Engineering and Frontier Center of Fundamental and Applied Sciences of Matters, National Tsing-Hua University, Hsinchu 30013 (Taiwan).
MACRO 136	Chirality issues in supramolecular polymerization using 1,3-dihydroxyl synthon Ghosh G, Ghosh S Polymer Science Unit, Indian Association for the Cultivation of Science 2A and 2B Raja S. C. Mullick Road, Jadavpur, Kolkata-700032
MACRO 138	Functional poly(disulfide)s: synthesis, aggregation and triggered disassembly Raju Bej, Dipankar Basak, Suhrit Ghosh Polymer Science Unit, Indian Association for the Cultivation of Science 2A & 2B Raja S. C. Mullick Road, Kolkata, India-700032

MACRO 148	Antifouling Thin Film Composite Polyamide Nanofiltration Membranes for the Removal of Heavy Metals from Ground Water [a,b]Bera Anupam, [a]Bhalani Dixit, [a,b]Jewrajka Suresh Kumar [a]Reverse Osmosis Membrane Division, CSIR-Central Salt and Marine Chemicals Research Institute, G. B. Marg, Bhavnagar-364002, Gujarat, India. [b]AcSIR, CSIR-Central Salt & Marine Chemicals Research Institute, G. B Marg, Bhavnagar-364002, Gujarat, India
MACRO 181	Preparation and properties of Hyperbranched polymides/MWCNT nanocomposites M. Fathima Rigana, M. Sarojadevi Department of Chemistry, Anna University, Chennai-25, India.
MACRO 201	Dopant-Assisted Hierarchical Electrical Conducting Folic acid/Polyaniline/ silver-nanoparticles hydrogel with Enhancement of Photoresponse and Energy storage Das, Sujoy; Nandi, Arun K. Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700032, India.
MACRO 211	Reduced graphene-polyaniline nanofibres hybrid as peroxidase mimetic material: Exploited for H_2O_2 and cholesterol recognition Singh Shikha[a], Gundampati Ravi K.[b], Mitra Kheyanath[a], Jagannadham Medicherla V.[b], Ray Biswajit[a] [a]Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi – 221005, India. [b]Molecular Biology Unit, Institute of Medical Science, Banaras Hindu University, Varanasi–221005, India.
MACRO 218	Fluorescent polymer films of carbon dots-PMMA nanocomposites Suchithra C,[a]Manjunatha Ganiga[b] and Jobin Cyriac[b] [a]ASD, ASCG/PCM, VSSC Thiruvananthapuram – 695022, Kerala. [b]Department of Chemistry, Indian Institute of Space Science and Technology, Thiruvananthapuram – 695 547, Kerala.
MACRO 221	Superhydrophobic and pH tolerant silica surface decorated with oligomers; self-assembled micro-flower bunches and nanofolds Ramakrishna S., Dona Mathew, Santhosh Kumar K.S. Polymers and Special Chemicals Division, Vikram Sarabhai Space Centre, Thiruvananthapuram-22
MACRO 225	Influence of the Diamine Modified Graphene on Polyurethane Properties and its Biological Applications Patel, Dinesh, Maiti, Pralay School of Material Science and Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi.
MACRO 227	Size-Dependent Interaction between PIL Stabilized Silver Nanoparticles and DNA: A Spectroscopic Investigation Kasina Manojkumar, Akella Sivaramakrishna, Kari Vijayakrishna Department of Chemistry, School of Advanced Sciences, VIT University, Vellore-632014, Tamil Nadu, India
MACRO 232	An approach for controlled grafting of PANI chains from fluorescent carbon nanodots Ghosh, T.,[a]Basak, U.,[a]Majumder, S.,[b] Ball, R.,[c]Chatterjee, D.P.[a] [a]Department of Chemistry, Presidency University, Kolkata- 700073, India. [b]Department of Chemistry, Indian Institute of TechnologyKharagpur- 721302, India [c]Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai-400076.

MACRO 234	In situ Fabrication of Catalytic Platinum Nanoparticles Embedded Poly(Vinyl alcohol) and Fluorescent Gold Nanocluster Embedded Poly(methyl methacrylate) Films Madhuri, U. D., Radhakrishnan, T. P. School of chemistry, University of Hyderabad, Hyderabad, India -500046
MACRO 237	Synthesis and Application of Carbon Quantum Dot Grafted Stimuli Responsive Polymer Systems Ball, R., Majumdar, S., Ghosh, T., Basak, U. and Chatterjee, D.P. Department of Chemistry, Presidency University, Kolkata, India
MACRO 264	Fabrication of Anisotropic Self-assembled liquid Crystalline Poly (3, 3''' dialkylquarterthiophene) Films over Liquid Surface Pandey, R. K.; Mishra, R.; Prakash, R. School of Materials Science and Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi-221005, India,
MACRO 293	Change in Energy Transfer between Donor-Acceptor Molecules on Stimuli-Induced Disintegration/Transition of Nanostructured Assemblies Prepared from Amphiphilic Block Copolymers Maiti, Chiranjit; Dhara, Dibakar Department of Chemistry, Indian Institute of Technology Kharagpur, West Bengal 721302 India
MACRO 305	Polypeptide-Based Thermoresponsive Graft Copolymer and Their Self-Aggregation Behaviour in Solution Bose Avijit, Jana Somdeb, Saha Anupam, Mandal Tarun Kumar Polymer Science unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata 700 032, India
MACRO 306	Preparation and Characterization of Shear Thickening Fluids with Surface Modified Silica Nanoparticles Swarna[a] , Pattanayek S.K[b], Ghosh A.K[a] [a] Center of Polymer Science and Engineering, Indian Institute of Technology Delhi, New Delhi, India.[b] Department of Chemical Engineering, Indian Institute of Technology Delhi, New Delhi.
MACRO 318	Preparation and characterization of PMMA/Cu-Cr LDH nanocomposites via melt intercalation method Kumar Manish[a] , Pradeep Upadhyaya [b] , G. Pugazhenthi[a] [a] Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati-781039, Assam, India.[b] Central Institute of Plastics Engineering and Technology (CIPET), Ahmedabad 382 445, Gujarat, India
MACRO 325	Development of Methylcellulose Based Nanocomposites and their Application Possibilities Pramanik, Dibyendu, Saha, Nayan Ranjan, Chattopadhyay, Dipankar Department of Polymer Sc. & Tech., University of Calcutta, 92, A.P.C. Road, Kolkata 700009.
MACRO 331	Polymer Supported Large Area Periodic Silver Nanostructures as an Efficient SERS Platform V. Rajia,[b] RenyThankam Thomas[a] , Nabeela Kallayia, [b] Saju Pillai [a,b] [a]CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Pappanamcode, Thiruvananthapuram, Kerala-695 019, India.[b]Academy of Scientific and Innovative Research (AcSIR), New Delhi-110 001, India.

MACRO 337	Nano-sized Coordination Polymers for Cell Imaging and Heterogeneous Catalysis Sarkar, K.; Dastidar, P. Department of Organic Chemistry, Indian Association for the Cultivation of Science (IACS), Kolkata.
MACRO 342	Production of Multiwalled Carbon Nanotubes from PongamiaOil Using Chemical Vapour Deposition Method and Preparation of Polymer Nanocomposites By Using CNTs Bagotia N.[a], Choudhary V.[b], Sharma D. K. [a] [a]Centre for Energy Studies, Indian Institute of Technology Delhi, New Delhi, India.[b]Centre for Polymer Science & Technology, Indian Institute of Technology Delhi, New Delhi, India.
MACRO 352	Mechanically Strong Self-healing Acrylic Copolymers MirchandaniGirisha,[b] Singha Nikhil K.[a] [a]Rubber Technology Centre, Indian Institute of Technology, Kharagpur, 721302, India. [b] Research & Technology Center, Asian Paints, Navi Mumbai, 400703, India
MACRO 354	Effect of Functionalised Graphene on Sulfonated poly(ether ether ketone) Membrane Ghosh Priyanka[a], Ganguly Saibal[b], Banerjee Dipali[c], Kargupta Kajari [a] [a]Chemical Engineering Department, Jadavpur University, Kolkata, India. [b]Chemical Engineering Department, BITS PILANI, Goa Campus, India. [c]Department of Physics, Indian Institute of Engineering Science and Technology (I.I.E.S.T), Shibpur, West Bengal, India.
MACRO 452	Effect of copolymer functionalized graphene oxide at low loading on interfacial, thermo-mechanical and wear properties epoxy nanocomposites Rohini Rani, K Lasitha, Bose Suryasarathi Department of Materials Engineering, Indian Institute of Science, Bangalore-560012, India.
POLYMERS FOR ENERGY AND SENSING APPLICATIONS (PES)	
MACRO 111	Fabrication of A Polyaniline Transduced Imidazole Based Conductometric Sensor for Rapid Detection of Cyanide Paul Anirban [ab], Perween Mosarrat [ab], Saha Sukdeb [ab], Srivastava Divesh N.[ab], Das Amitava[abc] [a]Analytical Division and Centralized Instrument Facility, CSIR-Central Salt and Marine Chemicals Research Institute, Gijubhai Badheka Marg, Bhavnagar 364002, India.[b]Academy of Scientific and Innovative Research-CSMCRI, Gijubhai Badheka Marg, Bhavnagar 364002, India.[c]Organic Chemistry Division, CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411008.
MACRO 114	Strain Rate Sensitivity of Epoxy Composites Toughened with 2D Molybdenum Disulphide Parthsarthy, S. Chaudhary, S. Roy, P. K. Centre for Fire, Explosive and Environment Safety, DRDO, Timarpur, Delhi 110054, India.
MACRO 140	Preparation and characterization of terpolymer based cation exchange membrane for water desalination by electrodialysis Bhadja Vaibhavee[a], Jewrajka Suresh[b]., Chatterjee Uma[a] [a]Electromembrane Processes Division,[b]Reverse Osmosis membrane Division, CSIR-Central Salt & Marine Chemicals Research Institute,G. B. Marg, Bhavnagar, Gujarat, India
MACRO 141	Modulation of protein adsorption and cell proliferation on polyethylene immobilized graphene oxide reinforced HDPE bionanocomposites Upadhyay, Rahul [a]; Naskar, Sharmistha [c]; Bhaskar, Nitu [a]; Bose, Suryasarathi [b]; Basu, Bikramjit [a, c] [a]Laboratory for Biomaterials, Materials Research Center, Indian Institute of Science, Bangalore, India. [b]Department of Materials Engineering, Indian Institute of Science, Bangalore, India. [c]Center for Biosystems Science and Engineering, Indian Institute of Science, Bangalore, India.

MACRO 146	Thermally and pH Responsive Poly(dimethyl aminoethyl)methacrylate-b-Poly(N-isopropyl acrylamide)/Polycaprolactone Amphiphilic Conetwork Gels Jewrajka Suresh Kumar [a,b], Chandel Arvind K Singh[a,b], Bhingaradiya Nutan[a] [a]Reverse Osmosis Membrane Division, AcSIR-Central Salt and Marine Chemicals Research Institute, CSIR-Central Salt and Marine Chemicals Research Institute, G. B. Marg, Bhavnagar, Gujarat 364002, India.[b]AcSIR-Central Salt and Marine Chemicals Research Institute, CSIR-Central Salt and Marine Chemicals Research Institute G. B. Marg, Bhavnagar, Gujarat 364002.
MACRO 147	Tailoring pyrazoline–aromatic donor based luminescent polymers for organic-electronics T.Vandana, A. Karuppusamy, P. Kanna Department of Chemistry, Anna University, Chennai, 600025, India.
MACRO 155	Planar Heterojunction Perovskite Solar Cell with Poly(3-thiophene acetic acid) as Hole Transporting Layer under Ambient Condition Arnab Shit, Arun K. Nandi Polymer Science Unit, Indian Association for the Cultivation of Science,Jadavpur, Kolkata -700 032, India.
MACRO 156	A Potential polyaniline and Perylene Diimide Based Acceptor Material for Highly Efficient Dye sensitized solar cell with 4.32% Efficiency Pousali chal, Arnab Shit, Arun K. Nandi The Polymer Science unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700032, India.
MACRO 158	Development of electrochemical sensor for detection of creatinine with silane functionalized graphene oxide based molecularly imprinted polymer film T. S. Anirudhan,Deepa.J.R, Nisha.S,, Shainy.F, Anoop.S.Nair., Manasa Mohan.A. Department of Chemistry, School of Physical and Mathematical Sciences, University of Kerala, Kariavattom, Trivandrum-695 581, Kerala.
MACRO 164	Fabrication of Graphene Quantum Dot-Doped Polyaniline Nanostructure and Its Opto-electronic and Photovoltaic Properties Maity, Nabasmita; Kuila, Atanu,Nandi, Arun. K. Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700 032, INDIA.
MACRO 182	All-polymer Solar Cell Performance Of N-type Napthalenediimide/ Perylenediimide - Bithiophene Copolymer [a]Sharma Sandeep[ab], Kolhe Nagesh B.[a], Asha S. K.,[ab] [a]Polymer Science and Engineering Division, CSIR-NCL, Pune, India-411008.[b] Academy of Scientific and Innovative Research, New Delhi, India
MACRO 183	Glutamic Acid Appended Water-Soluble Conjugated Polymer for Fluorescence Sensing and Imaging of Fe^{2+} Ions in Live Cells Nikam, Shrikant B. [a,b] T. Sethilkumar,[a] Parekh Nimisha ,S. K. Asha [a,b] [a] Polymer Science and Engineering Division, CSIR-NCL, Pune, India-411008.[b] Academy of Scientific and Innovative Research, New Delhi, India.[c] Chemical Engineering and Process Development Division, CSIR-NCL, Pune,India-411008.

MACRO 184	Highly Efficient Supercapacitor Performance of Iodine Doped Reduced Graphene oxide Produced *via* Mild Reaction Condition Mandal, Debasish[a]; Routh, Parimal[b] and Nandi, Arun K[a] [a]Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700 032, INDIA.[b]Department of Chemistry, Charuchandra College, 22 Lake Road, Kolkata 700 029.
MACRO 188	A new class of polymeric network as an efficient water toxicant remover Rajan Kumar, Raja Shunmugam Polymers Research Centre, Department of Chemical Sciences,Indian Institute Of Science Education and Research Kolkata (IISER K),Mohanpur- 741246, India.
MACRO 191	A new class of norbornene based dyes for in-field rapid as(iii) sensing Tapendu Samanta, Vikas Verma, Raja Shunmugam Polymer Research Centre, Department of Chemical Sciences,Indian Institute of Science Education and Research, Kolkata, Mohanpur-741246.
MACRO 195	Fluorene based triazine framework as chemosensor for selective sensing of Nitroaromatic explosives. Saumya Krishnan, T. S. Aruna., C. V. Suneesh Department of chemistry, University of Kerala, Kariavattom campus, Thiruvananthapuram.
MACRO 202	Fluorescent Polystyrene Nanobeads for Biosensing and Imaging Sarabjot Kaur [ab], Asha S. K.,[ab] [a] Polymer Science and Engineering Division, CSIR-NCL, Pune, India-411008.[b] Academy of Scientific and Innovative Research, New Delhi, India
MACRO 212	Surfactant triggered fluorescence turn "on/off" behavior of a polythiophene – graft - polyampholyte Ghosh, Radhakanta[a], Das Sandip[a], Chatterjee Dhruba P[b].,Nandi AK. [a]Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700 032, INDIA, [b]Dept. of Chemistry, Presidency University, Kolkata-700 073.
MACRO 230	Carbamoylmethylphosphine oxide (cmpo) derived cross-linked polymers for uptake of uranium (vi) from nitric acid media Suresh Annam,[a] Kari Vijayakrishna, [a] Akella Sivaramakrishna,[a] C.V.S. Brahmmananda Rao,[b] and N. Sivaraman[b] [a] Department of Chemistry, School of Advanced Sciences, VIT University, Vellore-632014,Tamil Nadu, India.[b] Chemistry Group, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam-603102,Tamil Nadu, India.
MACRO 235	Luminescence Study of Pyrene-Tagged Poly-(N-Vinyl-2-Pyrrolidone) Mitra Kheyanath,[a] Singh Shikha,[a] Hira Sumit K.,[b] Patel Vijay K.,[a] Singh Deovrat,[a] Manna Partha Pratim,[b] Ray Biswajita [a] Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi – 221005, India. [b] Immunobiology Laboratory, Department of Zoology, Banaras Hindu University, Varanasi – 221005, India.
MACRO 242	Design and synthesis of new organic electronic materials based on hetero doped organic polymers X-Yu Cao[a] , A. Pradhan[b] [a] Xiamen University, Xiamen-361005, China. [b] Department Material Science, DST-Inspire Faculty, IACS, Kolkata-700032, India.

MACRO 248	BODIPY based Polymers for Organic Field Effect Transistors Singh, Saumya Singh, Anup Kumar; and Krishnamoorthy, Kothandam Polymer Science and Engineering Division, CSIR-National Chemical Laboratory, Pune, India
MACRO 251	Highly Acid/Oxidative Resistant Cation-Exchange for Membrane Electrolysis Arindam Kumar Das[a], Vinod K. Shahi [a] Electro-Membrane Processes Division and Academy of Scientific and Innovative Research, CSIR-Central Salt and Marine Chemicals Research Institute, Council of Scientific & Industrial Research, Gijubhai Badheka Marg, Bhavnagar 364002, Gujarat, India.
MACRO 268	HDPE - Sillimanite Mineral Based Composites For Electronic Applications I.J. Induja [a], M. R. Varma [a], M.T Sebastian [b] [a]Materials Science & Technology Division, National Institute for Interdisciplinary Science & Technology, Trivandrum, 695019 India.[b] Microelectronics Research Unit, Faculty of Information Technology & Electrical Engineering , University of Oulu, 90014, Finland.
MACRO 274	Porous Benzimidazole linked Aryl-imide polymers in The Application of Gas Storage Capacity Roy, Arkapal[a]; Halder, Arijit[b]; Mondal, Sanjoy[a]; Ghoshal, Debajyoti[b]; Malik, Sudip[a] [a]Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700032, India.[b]Department of Chemistry, Jadavpur University, Jadavpur, Kolkata-700032, India.
MACRO 301	Nano-porous Coordination Framework for Electro-sensing of Atropine Sulphate Vinita; Tiwari, M.; Kumar, A.; Prakash, R. School of Materials Science and Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi-221005, India.
MACRO 304	Polypyrrole Coated Fabrics for EMI Shielding Application Gahlout Pragat, Choudhary Veena Centre for Polymer Science and EngineeringIndian Institute of Technology Delhi.
MACRO 309	Microwave Assisted Synthesis of Poly (indole-5-carboxylic acid) for Sensing Application Tiwari, P; Prakash R. School of Materials Science and Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi-221005, India.
MACRO 311	Thin Film Composite Membranes Containing Functionalized Carbon Nanotubes for Low Pressure Desalination Process Km Nikita[a], Aswal V. K .[b], Murthy C. N.[a] [a]Applied chemistry Department, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara, India.[b]Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, India.
MACRO 324	Redox polymers for electro-kinetic flow-in-a cell Selvam Math, Rajaram K. Nagarale Electro Membrane Processes Division, CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar,364002 Gujarat, India.
POLYMER SYNTHESIS AND CHARACTERISATION (PSC)	
MACRO 127	Synthesis and antimicrobial activities of dendrimers with indazole as surface units and melamine, S-BINOL core units Mani Jayanthi,Perumal Rajakumar Department of Organic Chemistry, University of Madras, Chennai – 600 025, TamilNadu, India.

MACRO 153	Alkaline Earth Metal Complexes Of Bis-phosphiiminoselenoid Ligand As Highly Iso- selective And Active Catalysts For Ring-Opening Polymerization Of rac-Lactide. Bhattacharjee Jayeeta, Panda Tarun K. Department of Chemistry, Indian Institute of Technology Hyderabad, Kandi – 502 285, Sangareddy, Telangana, India.
MACRO 170	Synthesis and Characterisation of Bio-Surfactant Assisted Conducting Polypyrrole Adhikari, Arpita[a], Dutta, Koushik[a], Chakraborty, Mukut[b], Chattopadhyay, Dipankar [a]Department of Polymer Sc. & Tech., University of Calcutta, 92, A.P.C. Road, Kolkata 700009, India.[b] Department of Chemistry, West Bengal University, Barasat, 700126, India.
MACRO 176	Design and synthesis of new organic electronic materials based on hetero doped organic polymers Dr. Anirban Pradhan, DST Inspire Faculty, Department of Materials Science Indian association for the cultivation of Science(IACS), Jadavpur, Kolkata-32
MACRO 197	Synthesis, Electrolyte and pH Responsive properties of Poly(4-vinylpyridine) Star Polymers A.Gopinath, A.Sultan Nasar Department of Polymer Science, University of Madras, Guindy Campus, Chennai 25, India
MACRO 215	Synthesis and Characterization of Flexible/Stretchable Polyimides Containing Long/Bulky Aromatic Side Chains Tharakan Simi Annie, Muthusamy Sarojadevi, Department of Chemistry, Anna University, Chennai-25, India.
MACRO 216	Applications of poly(ionic liquids) in organic synthesis Kari Vijayakrishna, Department of Chemistry, School of Advanced Sciences, VIT University, Vellore, Tamil Nadu.
MACRO 219	Synthesis and diversified applications of water soluble polythiophene based 'smart' graft copolymers Chatterjee D. P. [a]; Ghosh, Radhakanta[b]; Das, Sandip[b]; . and Nandi, Arun. K[b]. [a]Dept. of Chemistry, Presidency University, Kolkata-700 073. [b]Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700 032, INDIA
MACRO 226	Synthesis of PVDF based graft copolymer for affinity chromatography applications. Majumdar, S.,[a] Basak, U.,[b] Ghosh, T.,[b] Ball, R.,[c] Chatterjee, D.P.[b] [a]Department of Chemistry, Indian Institute of TechnologyKharagpur- 721302, India. [b] Department of Chemistry, Presidency University, Kolkata- 700073, India.[c] Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai-400076, India
MACRO 228	Controlled Synthesis of End-Functionalized Mannose-6-phosphate Glycopolypeptides for Lysosome Targeting Das, Soumen, Parekh, Nimisha Mondal, Basudeb and Sen Gupta, Sayam CReST Chemical Engineering Division, CSIR National Chemical Laboratory,Dr. Homi Bhabha Road, Pune 411008, India.
MACRO 231	Strategic Catalyst Designing for Insertion Copolymerization of Polar Olefins with Ethylene Deshmukh Satej S.[a]; Gaikwad Shahaji R. [a]; Chikkali Samir H. [a,b] [a]Polyolefin Lab, Polymer Science and Engineering Division, National Chemical Laboratory, Pune-411008, India. [b]Academy of Scientific and Innovative Research, Anusandhan Bhawan, 2 Rafi Marg, New Delhi 110001, India

MACRO 240	Synthesis of Amino Phosphonate Grafted Resin and Their Extraction Behaviour Towards Actinides Dhrubajyoti Das[a], Kari Vijayakrishna[a], Akella Sivaramakrishna[a], C.V.S. Brahmmananda Rao[b] [a] Department of Chemistry, School of Advanced Sciences, VIT University, Vellore, Tamil Nadu. [b] Chemistry Group, Indira Gandhi Centre for Atomic Research, Kalpakkam 603 102, Tamil Nadu
MACRO 249	Synthesis, characterization and property investigation of pvdf/rgo nanocomposites for energy harvesting application Chandan Kumar[a], Anupama Gaur[b], Pralay Maiti[b] and Sanjay Kumar Rai[a] [a] School of Biomedical Engineering, Indian Institute of Technology-BHU, Varanasi, India. [b] School of Materials Science and Technology, Indian Institute of Technology-BHU, Varanasi.
MACRO 250	Water Soluble Polyperoxides Mete, Sourav; De, Priyadarsi Polymer Research centre, Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Mohanpur - 741246, Nadia, West Bengal, India.
MACRO 259	Synthesis of Polyaniline & Polypyrrole Nanofibers via Continuous flow And Microfluidic Dropletgenerator method Bajpai Rishab, Kumar Anil, Chemistry Department IIT Bombay, Mumbai, India
MACRO 260	Synthesis of 'living' poly (dimethylaminoethyl methacrylate) using cucl.pmdeta complex in environmentally benign conditions Basak, U[a].; Majumdar, S.[b]; Ghosh, T.[a]; Ball, R.[c]; Chatterjee, D.P.[a] [a]Department of Chemistry, Presidency University, Kolkata, India.[b]Department of Chemistry, Indian Institute of Technology, Kharagpur- 721302, India. [c]Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai-400076, India
MACRO 272	Novel L-Menthol-Based Initiators for Atom Transfer Radical Polymerization (ATRP) Vishwakarma Sambhav,[a] Kumari Archana,[a] Singh Rajshree,[a] Ramesh K.,[a,b] Misra Nira,[b] Ray Biswajit[a] [a]Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi-221005, India.[b]School of Biomedical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi-221005, India.
MACRO 273	Synthesis of amphiphilic block copolymers through RAFT polymerization and their application as surf-RAFT agent for the miniemulsion polymerization of styrene Kishor Pawar [a,b], S. N. Raju Kutcherlapati [b], Niranjan Yeole [b], Dilip Hundiwale [a], Tushar Jana[b] [a] School of Chemical Sciences, North Maharashtra University, Jalgaon-425 001.[b] School of Chemistry, University of Hyderabad, Hyderabad-500 046
MACRO 284	Synthesis of PEG and NIPA Containing Cationic Block Copolymers with Different Architectures and their Interaction with DNA Sahoo, Satyagopal; Dey, Debabrata,; Dhara, Dibakar Department of Chemistry Indian Institute of Technology Kharagpur, West Bengal 721302 India
MACRO 285	Modified dendritic amine grafted on mesoporous silica: a highly effective reusable catalyst for one-pot synthesis of conjugated nitroalkenes and nitroaldols K. A Jisha, K. Sreekumar Dept. of Applied Chemistry, Cochin University of Science and Technology, Cochin-22. India.
MACRO 290	Synthesis and Photovoltaics Applications of Novel Fluorene based Donor-Acceptor Cross-Conjugated Polymers Bhavna Sharma and Josemon Jacob Centre for Polymer Science and Engineering, Indian Institute of Technology,New Delhi, India.

MACRO 291	Synthesis and third-order nonlinear optical properties of phenothiazine-triazine copolymer S. Narayanan[a], S. Mathew,[b] K. Sreekumar,[c] C. Sudha Kartha,[d] R. Joseph,[e] K. S. Devaky[a] [a]School of Chemical Sciences, MG University, Kottayam, India.[b] International School of Photonics, CUSAT, Cochin-22, India. [c] Department of Applied Chemistry, CUSAT, Cochin-22, India.[d] Department of Physics, CUSAT, Cochin-22, India.[e] Polymer Science and Rubber Technology, CUSAT, Cochin, India.,
MACRO 292	Synthesis of N-Vinyl Pyrrolidone Based Smart Polymers and their Application as Self-Immolative Polyprodrug and Targeted Delivery Vehicles Maiti, Saikat; Dhara, Dibakar Department of Chemistry, Indian Institute of Technology Kharagpur, West Bengal 721302 India
MACRO 303	Synthesis and Characterization of Blue Emitting Materials for Organic Light Emitting Diode Applications Kaur Banpreet, Jacob Josemon Centre for Polymer Science and Engineering, Indian Institute of Technology Delhi, Hauz Khas.
MACRO 313	Synthesis and Characterization Of β-CD Induced Block Copolymers via ARGET-ATRP of Vinyl and Acrylate monomers Karkare P., Murthy C. N. Macromolecular Materials Laboratory, Applied Chemistry Department , Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda, Vadodara, India.
MACRO 314	Synthesis and Aggregation Behavior of Poly(2-oxazoline)-Based Light- and Thermo-responsive Block and Random Copolymers Jana Somdeb, Saha Anupam, Bose, Avijit and Mandal, Tarun Kumar Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, India.
MACRO 319	Poly(vinylidenefluoride)(PVDF) graft Copolymer in Alcohol-Water Environment Kuila, A.; Maity, N.; Chatterjee, D. P.a; Nandi, A. K. Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur,Kolkata. Department of Chemistry, Presidency University, Kolkata. India.
MACRO 323	Synthesis of Fluorescent Water-Soluble Amphiphilic Peptide-Polymer Bioconjugate: for Cell Imaging and RNA Binding Dule, Madhab; Biswas, Yajnaseni and Mandal, Tarun Kumar Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, India
MACRO 326	Synthesis of superporous polyhipe hydrogels as a scaffold material for tissue engineering application Nalawade A. C Qureshi. M. S, N.N Chavan, S. P. Ponrathnam Polymer science division, NCL, Pune-411008, India. Chemical Engineering and process Development Division, NCL, Pune-411008, India.
MACRO 327	Thermo-, pH-, and Anion-Responsive Phosphonium and Imidazolium Poly(ionic liquid)s Biswas, Yajnaseni; Maji, Tanmoy; Dule, Madhab; Mandal, Tarun K Polymer Science Unit, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, India
MACRO 443	Synthesis of amphiphilic block copolymers using new method of catalysing thiol-ene reaction Hafeez Sumbul, Nebhani Leen Centre for Polymer Science and Engineering, Indian Institute of Technology, HauzKhas, New Delhi 110016, India
17.05-17.30	Tea Break

JANUARY 9, 2017		SESSION-7 (PSC-1)		TEMPLE VIEW HALL-2
Session Chair: Prof. Sreekumar K				
17:30	17:55	SL5	ANIL KUMAR	CONTINUOUS FLOW PROCESS: A NEW PARADIGM IN CONJUGATED POLYMER SYNTHESIS
17:55	18:15	IL5	MURUGAN E	MODIFIED DENDRIMERS AND CNT COMPOSITES FOR CATALYSIS AND BIOMEDICAL APPLICATIONS
18:15	18:30	OL17 MACRO 116	SMITHA GEORGE	FACILE SYNTHESIS OF DENDRIGRAFT POLYMER HAVING POLYEPICHLOROHYDRIN CORE AND INVESTIGATION OF THEIR STRUCTURE PERFECTION
18:30	18:45	OL21 MACRO 281	POUSALI SAMANTA	ARM FIRST APPROACH TOWARDS THE SYNTHESIS OF CORE CROSS-LINKED STAR POLYMER WITH HYDROPHOBIC BIODEGRADABLE CORONA VIA CLICK CHEMISTRY
JANUARY 9, 2017		SESSION-8 (EPM-2)		VIZHINJAM HALL
Session Chair: Prof. Veena Choudhary				
17:30	17:55	SL6	JEAN- FRANCOIS LUTZ	ABOUT SEQUENCES, CODES AND POLYMERS
17:55	18:15	IL6	MOHAN SRINIVASA RAO	SPONTANEOUS EMERGENCE OF CHIRALITY IN ACHIRAL SYSTEMS: THE CASE OF LYOTROPIC CHROMONIC LIQUID CRYSTALS (LCLCS)
18:15	18:30	OL18 MACRO 119	ANOOP ANAND	LARGE SCALE PRODUCTION OF NYLON NANOFIBERS THROUGH ELECTROSPINNING AND THEIR USE IN STRUCTURAL COMPOSITES
18:30	18:45	OL22 MACRO 269	KINSUK NASKAR	NOVEL SUPER TPV: A NEW GENERATION THERMOPLASTIC ELASTOMER
JANUARY 9, 2017		SESSION-9 (PES-2)		SEA VIEW HALL
Session Chair: Dr. Ilangovan SA				
17:30	17:55	SL7	SUSANTA BANERJEE	NEW MEMBRANE MATERIALS FOR EFFICIENT GAS SEPARATION
17:55	18:10	OL19 MACRO 500	VIKAS KUMAR	NMR AS A TOOL TO STUDY MOLECULAR INTERACTION IN LITHIUM ION BATTERIES
18:10	18:25	OL23 MACRO 515	JEFFREY PYUN	POLYMERIZATIONS WITH ELEMENTAL SULFUR

JANUARY 9, 2017		SESSION-10 (GSB-2)		TEMPLE VIEW HALL-1
Session Chair: Dr. Sharma CP				
17:30	17:55	SL8	SUWABUN CHIRACHANCHAI	WATER-BASED CHITOSAN FOR BIOMEDICAL APPLICATIONS
17:55	18:15	OL50 MACRO 539	SIDHHARTH SIROHI	SYNTHESIS AND CHARACTERIZATION OF GREEN POLYESTER FILMS
18:15	18:30	OL20 MACRO 270	ABHIJIT SHETE	NOVEL SILK FIBROIN BASED COATINGS FOR PDMS BREAST IMPLANTS
18:30	18:45	OL24 MACRO 478	THAMPI SUDHIN	IMPROVED HAEMOCOMPATIBILITY OF SURFACE MODIFIED POLYCARBONATE URETHANE
JANUARY 9, 2017				
18:45	19:15	SPSI AGM		
19:15	20:15	CULTURAL PROGRAM		
20:15	21:45	EXECUTIVE DINNER		

JANUARY 10, 2017		SESSION-11 (SPSI-ACS)		VIZHINJAM HALL
Session Chair: Prof. Ramakrishnan S				
08:45	09:20	PL4	TIMOTHY P LODGE	50 YEARS OF MACROMOLECULES: WHAT HAVE WE LEARNED?
09:20	09:55	PL5	ANIL K BHOWMICK	THERMOPLASTIC ELASTOMERS: STRUCTURE AND PROPERTIES AT MICRO-, NANO- AND MOLECULAR LEVELS
09:55	10:30	PL6	NIKOS HADJICHRISTIDIS	POLYHOMOLOGATION: TOWARDS WELL-DEFINED POLYETHYLENE-BASED CO/TERPOLYMERS WITH COMPLEX MACROMOLECULAR ARCHITECTURES
10:30	10:50			**TEA BREAK**
10:50	11:25	PL7	REGHUNADHAN NAIR CP	"CLICK CHEMISTRY" IN THE DESIGN OF PROPELLANTS, POLYMERS, CHEMICALS AND MATERIALS FOR SPACE RESEARCH
11:25	12:00	PL8	MARC HILLMYER	BICONTINUOUS NANOSTRUCTURE RECIPES USING BLOCK POLYMERS AS KEY INGREDIENTS
12:00	12:35	PL9	JAYAKANNAN M	L-AMINO ACID BASED POLYMER PLATFORM FOR DRUG DELIVERY IN CANCER THERAPY
12:35	14:00			**LUNCH BREAK**
JANUARY 10, 2017		SESSION-12 (NSP 2)		TEMPLE VIEW HALL-2
Session Chair: Shri Muraleekrishnan R				
14:00	14:25	SL9	NANDI A K	GRAPHENE OXIDE GRAFTED STIMULI-RESPONSIVE BLOCK COPOLYMER
14:25	14:45	IL9	ARUP BHATTACHARYA	CARBON NANOTUBES AND GRAPHENE BASED POLYMER NANOCOMPOSITES: RECENT STATUS
14:45	15:05	IL13	SANTHOSH KUMAR K S	FASCINATING SURFACE STRUCTURES OF OLIGO (URETHANES) FOR SUPERHYDROPHOBIC SURFACES
15:05	15:20	OL25 MACRO 203	SWATI SHARMA	SYNTHESIS AND CHARACTERIZATION OF PH RESPONSIVE SELF-HEALING HYDROGEL
15:20	15:35	OL29 MACRO 247	SUDIPTA MONDAL	FORMATION OF FUNCTIONAL SUPER-HELICAL ASSEMBLIES BY CONSTRAINED SINGLE HEPTAD REPEAT
15:35	15:50	OL33 MACRO 334	RAJDIP ROY	SUPRAMOLECULAR SYNTHONS IN DESIGNING GELATORS DERIVED FROM MULTIPLE DRUGS

JANUARY 10, 2017		SESSION-13 (PSC 2)		TEMPLE VIEW HALL 1
Session Chair: Prof. Damodharan				
14:00	14:25	SL10	BRIGITTE VOIT	MULTIFUNCTIONAL AND RESPONSIVE POLYMERSOMES THROUGH CRP AND EFFICIENT POST FUNCTIONALIZATION
14:25	14:45	IL10	NIKHIL K SINGHA	FLUOROPOLYMERS AND THEIR NANOCOMPOSITES VIA IN SITU RAFT POLYMERIZATION IN EMULSION
14:45	15:05	IL14	ROY SHENHAR	QUASI-BLOCK COPOLYMERS
15:05	15:20	OL26 MACRO 426	SURESH KUMAR PERALA	HYPERBRANCHED POLYMERS AS SCAFFOLDS FOR SUPPORTED CATALYSIS
15:20	15:35	OL30 MACRO 222	NELLEPALLI POTHANAGANDHI	SYNTHESIS AND APPLICATIONS OF ACHIRAL & CHIRAL POLY(IONIC LIQUIDS)
15:35	15:50	OL34 MACRO 295	RAJU S N KUTCHERLAPATI	SYNTHESIS OF GLYCOPOLYMER COATED SILICON NANOPARTICLES VIA GRAFTING FROM APPROACH USING RAFT POLYMERIZATION
JANUARY 10, 2017		SESSION-14 (EPM 3)		VIZHINJAM HALL
Session Chair: Dr. Asish Lele				
14:00	14:25	SL11	KOHJI TASHIRO	NOVEL CONCEPTS IN THE STUDY OF PHASE TRANSITION AND CRYSTALLIZATION PHENOMENON OF POLYMERS VIEWED FROM THE WIDE HIERARCHICAL POINTS
14:25	14:45	IL11	CHANGWOON NAH	RECENT ADVANCES IN FUNCTIONAL APPLICATION OF RUBBERS USING ELASTICITY
14:45	15:05	IL15	GURUSWAMY KUMARASWAMY	COLLOIDAL MODELS FOR POLYMERS
15:05	15:20	OL27 MACRO 428	JANISHA JAYADEVAN	STUDIES ON NOVEL BLEND MEMBRANES FROM CHEMICALLY MODIFIED NATURAL RUBBER LATEX AND POLY(VINYL ALCOHOL)
15:20	15:35	OL31 MACRO 527	BDS DEERAJ	DEVELOPMENT OF HIGH PERFORMANCE IN-SITU POLYMER/POLYMER MICROFIBRILLAR COMPOSITES BASED ON PP/NYLON 6 BLEND SYSTEM: EFFECT OF DRAW RATIO AND NANO FILLERS
15:35	15:50	OL35 MACRO 139	GARIMA AGRAWAL	MULTI-FUNCTIONAL MICROGELS AS BUILDING BLOCKS FOR NANOSTRUCTURED MATERIALS
JANUARY 10, 2017		SESSION-15 (PES 3)		SEA VIEW HALL
Session Chair: Dr. Dona Mathew				
14:00	14:20	IL12	GUPTA K C	BLOCK COPOLYMER MODIFIED CARBON NANOTUBES FOR SENSING APPLICATION

14:20	14:40	IL7	SATISH PATIL	CHAIN-LENGTH DEPENDANT OPTICAL AND TRANSPORT PROPERTIES OF ORGANIC SEMICONDUCTORS
14:40	14:55	OL28 MACRO 200	MALIK SUDIP	FLUORENE BASED POLYMERS AND COPOLYMERS AS SENSORS
14:55	15:10	OL32 MACRO 472	SUJOY BANDYOPADHYAY	MULTIFUNCTIONAL POROUS ORGANIC POLYMERS
15:10	15:25	OL36 MACRO 543	BIMLESH LOCHAB	COPOLYMERS OF WASTE RAW MATERIALS: SULPHUR AND PHENOLS FOR LI-SULPHUR BATTERY
15:50	16:20			**TEA BREAK**

DAY-3, 10.01.2017 POSTER SESSION -2 16.05-17.35	
ELASTOMERS, POLYMER PHYSICS AND MODELING (EPM)	
MACRO 390	Investigations On Low Density Insulation Materials For Solid Rocket Motors Ajith kumar H,Shashi Bhushan Singh, Ratheesh.S, Bhatt Tushar Shiram, Muraleekrishnan R Elizabeth John PCM Entiy, Vikram Sarabhai Space Centre, Thiruvananthapuram 695 022 INDIA.
MACRO 399	Structural and Dielectric Properties of Syndiotactic Polystyrene in Bulk and Aerogels Joseph A.M , Surendran K.P., Bhoje Gowd E Materials Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, India
MACRO 400	Polymer-based flexible ferroelectric nanocomposites Anupriya Vijayakumari, Swapnil Aherrao, Aniket Gudadhe, Kadhiravan Shanmuganathan Polymer Science and Engineering Division, CSIR-National Chemical Laboratory, Dr. Homibhaba Road, Pune-4111008, India
MACRO 406	Solvent-induced crystallization and phase transitions of poly(-lactide) (plla) Shaiju, P, Bhoje Gowd, E Materials Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology(NIIST), Trivandrum 695 019, Kerala, India. [b]Academy of Scientific and Innovative Research (AcSIR), New Delhi 110 001, India.
MACRO 410	Fully “face-on” vs fully “edge-on”: rational functionalization of thiophene oligomers for control over film-state packing Ghosh, Tanwistha and Nair, Vijayakumar Photosciences and Photonics Section, Chemical Sciences and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology (NIIST), Trivandrum.
MACRO 414	Understanding the Interactions of Poly(propylene Glycol) with Thermoplastic Polymers Muthukrishnan. Sharmila, Banerjee, Debasish, Farhood-Al, Bander SABIC Research & Technology Pvt. Ltd., Plot No. 81 to 85 Village, Chikkadunnasandra, Off. Sarjapura-Attibele State Highway,Bangaluru-562125 SABIC STR, Al-Kharj High Road, Second Industrial City, P.O. Box:42503,Riyadh 11551, Saudi Arabia
MACRO 424	Malachite green based photo-decross-linkable systems Orodepo Gabriel O. and S. Ramakrishnan Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.
MACRO 436	Electrochemical behavior and corrosion inhibiting effects of green nanosilver modified epoxy coatings Ulaeto, Sarah B.,[a,b,c] Rajan, Ramya,[a] Pancrecious, Jerin K.,[a,b] T.P.D. Rajan,[a,b] Pai, B. C.[a] [a]Material Science and Technology Division, CSIR-NIIST, Trivandrum, Kerala, India. [b]Academy of Scientific and Innovative Research (AcSIR), New Delhi, India.[c]Department of Chemical Sciences, Rhema University, Aba, Abia State, Nigeria
MACRO 456	Studies on the influence of free volume on transport properties of millable polyurethane/natural rubber blends Renu Jose [a], Lity Alen Varghese [b], G Unnikrishnan [a] [a]Department of Chemistry, National Institute of Technology, Calicut, Kerala-67360, India.[b]Department of Chemical Engineering, National Institute of Technology Calicut, Kerala-673601, India.

MACRO 457	Autonomic Healing of Polymers with Embedded Microcapsules Rajasekaran Divya, Maji PK Department of Polymer and Process Engineering,, Indian Institute of Technology Roorkee, Saharanpur campus,, Saharanpur-247001(UP)
MACRO 461	Rheological and thermal studies of poly lactic acid/hydroxyapatite composites Prasad Arbind[a], Roy Kakoli[b], Katiyar Vimal[c], Ravi Sankar M[a] [a]Department of Mechanical Engineering, IIT Guwahati, Assam,India-781039.[b]Department of Mechanical Engineering, RSET, Guwahati Assam,India-781035.[c]Department of Chemical Engineering, IIT Guwahati, Assam,India-781039
MACRO 462	Effect of Process Parameters and Cure Catalysison the HTPB-IPDI BasedSolid Propellant Behavior CH Devi Vara Prasad[e], SrinivasBabu N [a], P Kanaka Raju[b], Ranganathan V[c], K N Ninan[d] [e]Scientist, Solid Propellant Plant, SatishDhawan Space Center, Sriharikota, India. [a]Manager, Solid Propellant Plant, SatishDhawan Space Center, Sriharikota, India [b]DGM, Solid Propellant Plant, SatishDhawan Space Center, Sriharikota, India.[c]Deputy Director, Solid Propellant Plant, SatishDhawan Space Center, Sriharikota, India.[d]Former Emeritus Professor,IIST,Trivandrum,ISRO.
MACRO 468	Novel Gel Polymer Electrolyte films: Preparation and characterization Nisha Balachandran, Parvathy C, Sadhana R, Rajeev R Analytical and Spectroscopy Division, PCM Entity,Vikram Sarabhai Space Centre, Thiruvananthapuram-695022
MACRO 473	New physical insights into shear history dependent polymorphism In poly(vinylidene fluoride) Amanuel Gebrekrstos,[a] Maya Sharma,[b] Giridhar Madras,[a], Suryasarathi Bose[c] [a]Department of Chemical Engineering, [b] Centre for Nanoscience and Engineering, [c]Department of Materials Engineering,Indian Institute of Science, Bangalore, India.
MACRO 474	Translocation of polymer through nanopore under end pulling force BappaGhosh,Srabanti Chaudhury Department of Chemistry, Indian Institute of Science Education and Research, Pune, Maharashtra-411008, India
MACRO 497	Role of size of fillers on the development of an electrically conductive RTV silicone single part adhesive for space applications Prasanta Kumar Behera, R. Pravin, Indulekha K and R. S. Rajeev Polymers and Special Chemicals Division, Propellant, Polymers and Chemicals Entity Vikram Sarabhai Space Centre, Thiruvananthapuram-695 022
MACRO 498	Effect of particle shape of BN in enhancing thermal conductivity of thermal interface materials N.Neeraj, K. Leena, R. Pravin, N. Supriya, R. Rajeev, K.G. Benny Propellants Polymers Chemicals and Materials Entity, Vikram Sarabhai Space Centre Thiruvananthapuram- 695022, India
MACRO 499	Intermolecular Ene Reaction for High Temperature Curable Polybutadiene Systems Gayathri S, Reshmi S Propellant Engineering Division, Vikram Sarabhai Space Centre, Thiruvananthapuram.
MACRO 505	Effect of maleic anhydride grafting on MA-g-ABS/EVA miscible blend for high impact strength materials O. Manaf,A. Sujith Materials Research Laboratory,National Institute of Technology Calicut, Calicut-673601.

MACRO 507	Thermo-mechanical evaluation of organically modified clay filled Polymethylsilsesquioxane Ancy Smitha Alex[a], R.S. Rajeev [b], Jamin Joy[a], Sreelekshmi K.R[a], Vijendra Kumar[a], Bandyopadhyay.G.G[a], Sekkar. V[a], Gouri. C[b] [a]Analytical Division, Chemical Systems Group, PCM, Entity, Vikram Sarabhai Space Centre, Thiruvanathapuram-695022, India.[b]Polymers and Special Chemicals Group, PCM, Entity, Vikram Sarabhai Space Centre, Thiruvanathapuram-695022, India
MACRO 511	Studies on polysiloxane derived porous SiOC/ SiO2 ceramics via sacrificial filler route Shikha K.T, Jamin Joy, Ancy Smitha Alex, Nisha Hasmi K, Vijendra Kumar, Bandyopadhyay G.G, Sekkar V. Analytical Division, Chemical Systems Group, PCM, Entity, Vikram Sarabhai Space Centre, Thiruvanathapuram-695022, India
MACRO 514	A comparative study on the piezoelectric generation in PANI/ZnO/rGO and PANI/ZnO/f-MWCNT ternary nanocomposites T.P.Nisha, L.Ajai Raj, KailasGautham, John Honey Dept. of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Kerala-682022, India
MACRO 517	Kinetics and regioselectvity of phenol-formaldehyde reaction; new insights Praveen Kumar Solasa[a], S.K.Manu[b], VijendraKumar[c], AncySmithaAlexd, C.P ReghunadhanNair[e] [a] Scientist/Engineer, Propellant Fuel Complex, CSG, PCM Entity,[b]Deputy General Manager, Propellant Fuel Complex, CSG, PCM Entity, [c]Scientist/Engineer, Analytical Division, CSG, PCM Entity, [d]Scientific Assistant, Analytical Division, CSG, PCM Entity Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram-695 022. [e]Visiting Professor, Cochin University of Science and Technology, Kochi – 682 022.
MACRO 518	Electrospun polyurethane fibres reinforced resorcinol-formaldehyde composites S. Kiran, N.R James Department of Chemistry, Indian Institute of Space Science and Technology Thiruvananthapuram – 695 547, Kerala, India
MACRO 520	A combined theoretical and experimental investigation on the effect of microphase separation on shape memory behavior of polyurethane E. Swathi,[a,b] R. Rakesh,[a] S. Titus[a] and K.G. Sreejalekshmi[a] [a] Department of Chemistry, Indian Institute of Space Science and Technology, Valiamala Post, Trivandrum-695547, India.[b] Department of Metallurgical and Materials Engineering, Indian Institute of Technology Madras, Chennai-600368, India.
MACRO 521	Influence of Catalyst and Alternate Polyamidoamine Hardener on the Chemical and Physical Properties of 4-Component Epoxy System Used in Solid Rocket Motor Pradhan S , Sureshbabu K V, Rama Teja A S, Srikanth A, SrinivasBabu N, Kanakaraju P, Syed Hameed A Solid Propellant Space Booster Plant (SPROB), Satish Dhawan Space Centre, Sriharikota-524124.
MACRO 522	Experiments on Filled and Unfilled HTPB based elastomeric materials for potential applications in solid rocket motors Ravishankar.PM, Venkat Ajay K, Himanshu Shukla, Venkateswara Rao V, Ranganathan V Solid Propellant Plant, Satish Dhawan Space Centre, Sriharikota-524124, India.

MACRO 523	Effect of Graphene Oxide (GO) on Properties of Thermoplastic Polymer Composites Shashikant Supare[a], Sachin Jain[b], Jayant Gadgil[c], Pramod Joshi[c], Deepti Marathe[a], Hemant Joshi[a] [a]Polymer Engineering Department, MIT, Pune ,[b] DSM Engineering Plastics Ltd., Pune [c] Polymer Consultant, Pune.
MACRO 524	Kinetic studies of Phenol-Formaldehyde Resins using NMR spectroscopy Srinivas Chinthalapalli, Temina M. Robert, Praveen Kumar Solasa, Smitha Ancy Alex, Sadhana R., C. P. Reghunadhan Nair Propellants, polymers, Chemicals and Materials Entity, Vikram Sarabhai Space Centre, Thiruvananthapuram, India-695022.
MACRO 525	Scale up of processing of resole type phenolic resin for silica phenolic throat inserts for liquid engines Praveen Kumar Solasa[a], Ambili K[b], N. Saravanan[c], K. Mohanakumar[d], S.K.Manu[e] [a-d]Scientist/Engineers, Propellant Fuel Complex, CSG, PCM Entity,[e] Deputy General Manager, Propellant Fuel Complex, CSG, PCM Entity,Vikram Sarabhai Space Centre, ISRO, Thiruvananthapuram-695022.
MACRO 526	Development of High Performance In-Situ Polymer/Polymer Microfibrillar Composites Based on PP/Nylon 6 Blend System: Effect of Draw Ratio and Nano Fillers Deeraj B.D.S, Konnala Raneesh and Joseph Kuruvilla Indian Institute of Space Science and Technology, Trivandrum, Kerala, India
MACRO 531	Evaluating the Performance of Early Transition Metal Complexes in the Preparation of Disentangled Ultra-High Molecular Weight Poly(ethylene) Ketan Patel, Samir Chikkali and Swaminathan Sivaram Polymer Science and Engineering Division, CSIR-National Chemical laboratory, Pune.
MACRO 533	Studies on the effect of catalyst and reaction kinetics of Polyether Based PUIR Foam Remya Balakrishnan,Monisha K, Suresh Kumar, Vibhu Unnikrishnan, Vijayakumar V C Application Development Division, CSG, PCM entity, VSSC, ISRO, Thiruvananthapuram.
MACRO 534	Flexible Polyurethane Elastomer bearing Ionic Liquid Crosslinks Prasanta Kumar Behera, Nikhil K. Singha Rubber Technology Centre, Indian Institute of Technology Kharagpur, Kharagpur - 721302, West Bengal, India.
MACRO 541	Role of sample preparation techniques for analysis of trace metals in polymers A.D. Rosa ,[a] R. Ganeshan,[b] [a] Analytical Division, SABIC technology center, Bangalore562125, India.[b] Analytical Division, SABIC technology center, Bangalore-562125, India
MACRO 544	A Promising Approach to Design and Develop UV/Thermal Dual Cure Acrylate Binder from Renewable Resources Ozlem Kubra AKDOGAN Polymers and CVoating Technology, Eastern Michigan University, USA
MACRO 548	Fiber based poly(lactic acid) materials for self-reinforced composites de Kort, G. W.[a,b]; Auhl, D*. [a,b]; Wilsens, C.H.R.M.[a,b]; Rastogi, S [a,b]. [a]Department of biobased materials, Maastricht University, P.O. Box 616, 6200MD Maastricht, The Netherlands.[b]Aachen-Maastricht Institute for BioBased Materials (AMIBM), Urmonderbaan 22, 6167 RD, Geleen, The Netherlands.

MACRO 552	Cure characteristics and physico-mechanical properties of a conventional sulphur-cured natural rubber with a novel anti-reversion agent G.S Shibulal, J.Y. Jung, K.U. Jeong , C. Nah Haptic Polymer Composite Research Team & Department of Polymer-Nano Science and Technology, Chonbuk National University, 567 Baekje-daero, Jeonju 561-756, Republic of Korea
MACRO 554	Molecular design of high performing polymers for 3D FDM printing Srinivas, V.[a,b]; Harings, J .[a]; Van Hooy, T.[b] ; Dietmar, A. [a]; Rastogi, S.[a,b] [a]Department of biobased materials, Maastricht University, P.O. Box 616, 6200MD Maastricht, The Netherlands,[b]Zuyd University, Nieuw Eyckholt 300, 6419 DJ Heerlen, The Netherlands.
MACRO 557	Fracture mechanics of natural rubber and blends using Finite element analysis Anand Poomuthu[a], Santanu Chattopadhyay[a], Dipak Khastgir[a], Michael Kaliske[b], Arghya Deb[c] [a]Rubber Technology Center, Indian Institute of Technology Kharagpur, India.[b] Institute for Statics and Dynamics of Structures, Technische Universität Dresden, Germany.[c] Department of civil Engineering, Indian Institute of Technology Kharagpur, India.
GREEN, SUSTAINBALE AND BIOPOLYMERS (GSB)	
MACRO 271	Modified Silk Fibroin based 3D Scaffolds for Bone Tissue Engineering Parekh Nimisha[a] , Nisal Anuya[a] , Sen Gupta Sayam[b], B.L.V. Prasad[c] [a]Polymer Science and Engineering Division, CSIR - National Chemical Laboratory, Dr. HomiBhabha Road, Pune-411008, India,[b]Chemical Engineering and Process Development Division, CSIR - National Chemical Laboratory, Dr. HomiBhabha Road, Pune-411008, India.[c]Physical and Materials Chemistry Division, CSIR - National Chemical Laboratory,Dr. HomiBhabha Road, Pune-411008, India.
MACRO 275	Synthesis of Photo Responsive Polymers and their Applications in Photoresponsive Surfaces and Drug Delivery Biswas, Gargi; Ikbal, Mohammed; Banerjee, Rakesh; Singh, N. D. Pradeep; Dhara, Dibakar Department of Chemistry, Indian Institute of Technology Kharagpur, West Bengal, India
MACRO 276	Thermal and pH Responsive Polymer-Grafted Magnetic Nanoparticles for Targeted Delivery of Anti-Cancer Drug Bera, Sharmita; Sahoo, Banalata; Dutta, Sujan; Dhara, Dibakar Department of Chemistry, Indian Institute of Technology Kharagpur, West Bengal, India
MACRO 277	Temperature, pH and Redox Responsive Carbohydrate based Hydrogels for Protein Delivery Dutta, Sujan; Deb Barman, Tanay; Dhara, Dibakar Department of Chemistry, Indian Institute of Technology Kharagpur, West Bengal, India
MACRO 278	Synthesis of dendrimers for targeted drug delivery Naresh Killi, Gundloori Rathana VN Polymer Science and Engineering Division, CSIR-National Chemical Laboratory, Pune,Dr. Homi bhabha Road, Pune -411008, India
MACRO 282	L-Amino acid Based Enzyme and pH Dual Responsive Nano-carrier for Multi-drug Delivery to Cancer Cells Saxena, Sonashree; Jayakannan, Manickam Department of Chemistry, Indian Institute of Science Education and Research-Pune, Dr. Homi Bhabha Road, Pune 411008, Maharashtra, India

MACRO 283	π-Conjugated Fluorophore-block-Biodegradable Polymer Nano-carrier for Cellular Imaging and Drug Delivery Kulkarni, Bhagyashree; Jayakannan, Manickam Department of Chemistry Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pune 411008.INDIA
MACRO 286	Polysaccharide-Cisplatin Vesicular Nano-scaffold for Combination Therapy in Cancer Deshpande, Nilesh U; Jayakannan, Manickam Department of Chemistry, Indian Institute of Science Education & Research (IISER-Pune), Dr.Homi Bhabah Road, Pune 411008, Maharashtra, INDIA
MACRO 287	Dynamic Self Assembly of Polyarginine based Polypeptides for Biomedical Applications Korra,Praveen; Pandey, Bhawana; Sen Gupta,Sayam Chemical Engineering Division, CSIR-National Chemical Laboratory, Dr. HomiBhabha Road, Pune 411008, India
MACRO 288	Random and Block Copolymer Polycaprolactone Nano-assemblies for Drug Delivery Malhotra, Mehak; Jayakannan, Manickam Department of Chemistry, Indian Institute of Science Education and Research-Pune, Dr. Homi Bhabha Road, Pune 411008, Maharashtra, India
MACRO 300	Synthesis and design of curcumin based gels Metta Lokanadham; Gundloori Rathna V. N. Polymer Science and Engineering Division, CSIR-National Chemical Laboratory, Dr. Homi bhabha Road, Pune, Maharastra-411008, India.
MACRO 312	Rheological behavior of the biocomposites based on Poly(lactic acid)/jute fibers Mohammad Tahir Zafar, Saurindra Nath Maiti, Anup Kumar Ghosh Centre for Polymer Science and Engineering, Indian Institute of Technology Delhi, New Delhi 110 016, India
MACRO 332	Biodegradable nanoparticles for better encapsulation of hydrophilic anticancer drug gemcitabine Sachin S. Surwase, Susheela B. Idage, Bhaskar B. Idage Polymer Science & Engineering Division, CSIR-National Chemical Laboratory Dr. Homi Bhabha Road, Pune - 411 008, INDIA
MACRO 339	Green polymer nanocomposites of self-assembled polysaccharide hydrogels Prasad V S, Asha Susan Chacko, Anju, P., Brahmakumar, M., Sumesh Soman, Sruthy K. Velayudhan, Tinu Rose, M. P. CSIR- National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram 695019, India
MACRO 364	Tapioca Starch Grafted Polyacrylamide Application in Water Treatment Kranthikumar Tungala[a], Pubali Adhikary[a], Krishna Kumar[b], Abhishek Maurya[a], S. Krishnamoorthi[a] [a]Department of Chemistry, Centre of Advanced Studies, Banaras Hindu University, Varanasi -221005, India.[b]Department of Applied Science, Madan Mohan Malaviya University of Technology, Gorakhpur-273010, India.
MACRO 370	Thermal Degradation and Mechanistic Study of Guar Gum, Xanthan Gum and Gum Arabic using Hyphenated TGA-FTIR Analysis: A Comparative Study Monikaa , Dr. Vimal Katiyar Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati, 781039, Assam, India.

MACRO 373	Effect of Hydrolytic Degradation on the Wettability Behaviour of Bio-filler Reinforced Poly (lactic acid) Extruded Bionanocomposites. Kalita, Kumar, Naba; Patwa, Rahul; Dhar, Prodyut; Katiyar, Vimal Department of Chemical Engineering, IIT Guwahati, India.
MACRO 375	Melt extruded poly lactic acid/chitosan-grafted-oligo l-lactic acid bionanocomposite films for high gas barrier applications Pal, Akhilesh Kumar, Katiyar, Vimal Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam-781039, India
MACRO 379	An investigation of the viscoelastic and thermal behavior of silk nanoparticles/polylactic acid nanocomposites P. Rahul, T. Melaku, K. Manash Jyoti, K. Amit,K. Vimal Department of Chemical Engineering, Indian Institute of Technology, Guwahati-781039.
MACRO 381	Poly lactic acid (PLA) based conductive biomaterial for the detection of Alcohols Gourhari Chakraborty, Vimal Katiyar, G. Pugazhenthi Department of Chemical Engineering, IIT Guwahati, Guwahati, Assam, India.
MACRO 384	Bioactive and non-cytotoxic magnesium incorporated inorganic-organic hybrid resin for biomedical applications. C Vibha, PP Lizymol Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences and Technology,Poojappura, Thiruvananthapuram 695012.
MACRO 404	Green one step morphosynthesis of silver nanoparticles and their antibacterial and anticancerous activity Maity, Dipanwita[a]; Pattanayak, Sutanuka[b]; Chakraborty, Mukut[b]; Chattopadhyay, Dipankar[a] [a]Department of Polymer Sc. & Tech., University of Calcutta, 92, A.P.C Roy Road, Kol-9, [b]Department of Chemistry, West Bengal State University, Barasat, Kolkata.
MACRO 405	Antibacterial and DNA degradation potential of silver nanoparticles-polysaccharide composite synthesized via green route Manna, Dilip Kumar; Maity, Kankan Kumar Department of Chemistry & Chemical Technology,Vidyasagar University, Midnapore, West Bengal, 721102.
MACRO 407	A study on acid and enzymatic hydrolysis of millet bran, strain screening and effect of neutralizing agents on fermentative production of d-lactic acid Rengesh Balakrishnan[a], Subbi Rami Reddy Taddi[b], Senthilkumar Sivaprakasam[b], Shyam Kumar Rajaram[a] [a] Department of Biotechnology, Kamaraj College of Engineering and Technology, Virudhunagar, Tamil Nadu - 626001, India.[b] BioPAT Laboratory, Department of Biosciences and Bioengineering, Indian Institute of Technology Guwahati, Assam – 781039, India.
MACRO 416	Osteogenic Drug–Layered Magnesiosilicate Complex and its Composite Scaffold for Bone Tissue Engineering Applications S. Megha[a], Bindu P. Nair[a], Prabha D.Nair [b] [a]Department of Chemistry,Mahatma Gandhi College,Thiruvananthapuram-695022, India. [b]SreeChitraTirunal Institute for Medical Sciences and Technology,Thiruvananthapuram 695012, Kerala, India.

MACRO 423	Covalently cross-linked multifunctional polycaprolactone / graphene composites for bone tissue regeneration applications Padmavathy Nagarajan, L.R. Jaidev , Kaushik Chatterjee Department of Materials Engineering, Indian Institute of Science, Bangalore-560012
MACRO 431	Interpenetrating photopolymers for intraocular lens application Shaik Syed Hussain, Shailaja Donempudi, Shekharam Tammisetti Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Hyderabad-500007, India.
MACRO 433	Copper decorated reduced graphene oxide nanoparticle embedded polycaprolactone nanocomposite for blood vessel tissue engineering L.R. Jaidev, Sachin Kumar, Sai Ramakrishna Meka, Kaushik Chatterjee Department of Materials Engineering, Indian Institute of Science, Bangalore, India.
MACRO 448	Guar gum based super absorbent hydrogels for agricultural applications Thombare, Nandkishore[a], Jha, Usha[b], Mishra, Sumit[b]Siddiqui, MZ[a] [a] Processing and Product Development Division, ICAR-Indian Institute of Natural Resins and Gums, Namkum, Ranchi-834010, India.[b]Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi-835215, India.
MACRO 454	Development of polysaccharide derived carbon blocks for the removal of perchlorate from water R. Radhika *, G. Rekha Krishnan, Deepthi L. Sivadas, Salu Jacob, R. Rajeev Analytical and Spectroscopy Division, Analytical Spectroscopy and Ceramics Group, Propallents Polymers Chemicals and Materials Entity, Vikram Sarabhai Space Centre, Thiruvananthapuram- 695 022, India
MACRO 458	Effect of hydroxyapatite loading on polylactic acid/hydroxyapatite composites on its mechanical, thermal and degradation properties Prasad Arbind[a], Sinha Aditya[b], Katiyar Vimal[c], Ravi Sankar M[a] [a]Department of Mechanical Engineering, IIT Guwahati, Assam,India-781039. [b]Department of Mechanical Engineering,NERIST,Nirjuli,Arunachal,India-791109 [c]Department of Chemical Engineering, IIT Guwahati,Assam,India-781039.
MACRO 477	Self Cross-linkable Anionic waterborne polyurethane-silanol dispersions from Cottonseed oil-based phosphorylated polyol as ionic soft segment Sashivinay kumar Gaddam, Aruna Palanisamy Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad, India, 500007.
MACRO 485	8-hydroxypyrene-1,3,6-trisulfonic acid trisodium salt (HPTS) based high fluorescent waterborne polyurethane dispersion coating Kumar Rajnish, Bhosale Rajesh, Yadav Ramkeval, Raju KVSN, Narayan Ramanuj Polymers & Functional Materials Division CSIR-Indian Institute of Chemical Technology, Hyderabad, India
MACRO 487	Cellulose nanomaterials: a natural biopolymer as sustainable material for future Chandravati, Saini Arun, Maji Pradip K. Department of Polymer and Process Engineering, Indian Institute of Technology Roorkee, Saharanpur Campus, Saharanpur-247001, U.P., India.
MACRO 490	Dual Responsive Alginate/poly(N-isopropyl acrylamide)/Graphene Oxide Composite Gels for Controlled Release Studies of Anti-cancer Drug K. Sudhakar, S.J.Moloi, Department of Physics, University of South Africa, Private Bag X6, Florida 1710, South Africa.

MACRO 491	Phosphorous and Sulphur Containing Bio-based Polyurethanes from Non-edible Renewable Resource: Their Thermal, Mechanical and Anti-corrosive Properties Somisetti Varaprasad, Ramanuj Narayan, K.V.S.N Raju Polymers and Functional Materials division, CSIR-Indian Institute of Chemical Technology, Hyderabad-500007, India.
MACRO 508	Silver and ZnO Nanoparticles Incorporated Agar Biodegradable Composites for Antibacterial Applications Rathore, Kalpanaa; Verma, Vivek Department of Materials Science and Engineering, Indian Institute of Technology Kanpur, 208016, India.
MACRO 549	Thermally curable 2-Oxazoline coatings from bio-based building blocks Roy, M.[a,b]; Wilsens, C.H.R.M.[a,b]; Noordzij, G.[a]; Rastogi, S [a,b]. [a]Department of biobased materials, Maastricht University, P.O. Box 616, 6200MD Maastricht, The Netherlands.[b]Aachen-Maastricht Institute for BioBased Materials (AMIBM), Urmonderbaan 22, 6167 RD, Geleen, The Netherlands.
MACRO 550	Small scale screening of novel bio-based polyesters Noordzij, G.[a,b]; Wilsens, C.H.R.M.[a,c]; Rastogi, S [a,c] [a]Department of biobased materials, Maastricht University, P.O. Box 616, 6200MD Maastricht, The Netherlands. [b]Chemelot InSciTe, Urmonderbaan 20F, NL-6167 RD Geleen, The Netherlands.[c]Aachen-Maastricht Institute for BioBased Materials (AMIBM), Urmonderbaan 22, 6167 RD, Geleen, The Netherlands.
MACRO 555	Synthesis and characterization of Flutamide loaded Carbopol/Poly(vinyl pyrrolidone) blend microspheres: In-vitro release studies P. Kumara Babu[1], Y. Maruthi[1], A. Parandhama[1], C. Madhavi[1], M.C.S. Subha[2], K. Chowdoji Rao[1] [1]Department of Polymer Science & Technology, Sri Krishnadevaraya University, Anantapuramu, Andhra Pradesh, India – 515 003.[2]Department of Chemistry, Sri Krishnadevaraya University, Anantapuramu, Andhra Pradesh, India.
NANOSTRUCTURES, SELF-ASSEMBLY AND SUPRAMOLECULAR POLYMERS (NSP)	
MACRO 357	Ferrocene Functionalized HTPB based Segmented Polyurethanes through Supramolecular Interactions. Billa Narasimha Rao, Tushar Jana School of Chemistry and ACRHEM, University of Hyderabad, Hyderabad, India
MACRO 374	Surface wettability behaviour of functionalized-gum arabic dispersed poly (lactic acid) bionanocomposite foams Borkotoky, Shasanka Sekhar; Katiyar, Vimal Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam, India 781039
MACRO 377	PHBV Blends: Comparative Studies of Films and Nanofibers Bhagyashri S. Thorat Gadgil, Dr. GVN Rathnaa Polymer science and engineering division, CSIR- National chemical laboratory, Pune, 411008. INDIA.
MACRO 383	Electrospun nanofibers of pla composite with silk nanoparticles (snp): thermal, mechanical and wetting properties S Narendren, Patwa Rahul, katiyar Vimal Indian Institute of Technology Guwahati, Guwahati, Assam – 781039

MACRO 397	Salt-induced deposition of thermoresponsive pnipam coated metal nanoparticles on solid substrates Maji, S. [a]; Zhang, Z. [b]; da Fonseca Antunes, A. B. [b]; De Rycke, R. [c]; De Geest, B. G. [b]; Hoogenboom, R.[a] [a]Supramolecular Chemistry Group, Department of Organic and Macromolecular Chemistry, Ghent University, Krijgslaan 281-S4, 9000 Ghent, Belgium.[b]Department of Pharmaceutics, Ghent University, Ottergemsesteenweg 460, 9000 Ghent, Belgium [c]Inflammation Research Centre, VIB, Ghent and Department of Biomedical Molecular Biology, Ghent University, 9052 Gent, Belgium.
MACRO 401	Delaminated layered double hydroxide nanosheets as multifunctional nanofillers for semicrystalline polymers Nagendra, Baku; Sijla Rosely, C.V , Bhoje Gowd, E Materials Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Trivandrum-695 019, Kerala, India.
MACRO 402	Influence of additives on the formation of block copolymer-based supramolecular thin films and their microdomain control Deepthi Krishnan, E. Bhoje Gowd* Materials Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, India.
MACRO 403	Water soluble polysaccharide from hybrid mushroom and its application in nanoparticle synthesis Maity, Kankan Kumar, Manna, Dilip Kumar Department of Chemistry & Chemical Technology, Vidyasagar University, Midnapore
MACRO 409	Nanostructured semiconducting polymer-inorganic composites for opto-electronic applications Sudha J. Devaki, R. Ramakrishnan Chemical Science and Technology Division, CSIR-NIIST, Trivandrum-695019, Kerala, India
MACRO 412	Carbon nanoparticles induced shape-recovery behavior in a hyperbranched polymer composite Pilla Srinivasarao[a], Gaddam Rohit Ranganathan[b], Ramanuj Narayan[a], KVSN Raju[a] [a]Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Hyderabad 500007, India.[b]School of Chemical Engineering, The University of Queensland, St Lucia, Brisbane 4072, Australia.
MACRO 420	Tailored interface resulting in improvement in mechanical properties of epoxy composites containing poly (ether ether ketone) grafted multiwall carbon nanotubes Katti, Prajakta Prathamkumar , Prof. S. Kumar, Dr. Suryasarathi Bose Department of Materials Engineering, Indian Institute of Science Bangalore-560012,
MACRO 421	Fabrication and tuning the nanoporous channel in nanoporous membranes derived using crystallization induced phase separation in polymeric blends Bose Suryasarathi Department of materials engineering, Indian institute of Science, Bangalore, India.
MACRO 422	Layer-by-layer assembly of engineering nanostructured polymer blends to screen electromagnetic radiation Biswas Sourava,[b] Panja Sujit[a], Bose Suryasarathi[b] [a] Department of Chemistry, National Institute of Technology, Durgapur, WB, India-713209.[b] Department of Materials Engineering, Indian Institute of Science, Bangalore.

MACRO 432	Effect of cerium addition on corrosion characteristics of smart polystyrene mmt clay nano composite coatings on aluminum alloys Rajan, Ramya[a]., Ulaeto, Sarah Billa,[b,c]., Jerin K Pancrecious[a,b]., T.P.D., Rajan[a]* and Pai, B. C.[a] [a]Material Science and Technology Division, CSIR-NIIST, Trivandrum, Kerala, India. [b]Academy of Scientific and Industrial Research(AcSIR), India. [c]Department of Chemical Sciences, Rhema University, Nigeria.
MACRO 440	Studies on polyurethane nanoclay composite as a barrier coating system Srirangam Siripothu, S.K.Manu Propellant fuel complex, Vikram Sarabhai Space Centre, Trivandrum-695022, India
MACRO 445	Formation of Shish-Kebab structure in poly(vinylidene fluoride)/ionic liquid modified clay nanocomposite Eapen Thomas, S. Bhuvaneswari, C. Parvathy, B. Nisha, K. P. Vijayalakshmi, Benny K. George Analytical Spectroscopy and Ceramics Group, Propellants, Polymers, Chemicals and Materials Entity, Vikram Sarabhai Space Centre, Trivandrum-695022, India
MACRO 470	Enhancement of β-crystal polymorph formation in poly(vinylidene fluoride)- zinc oxide nanocomposite films Parvathy C, NishaBalachandran, Vijayalakshmi K P, Sadhana R, Rajeev R Analytical and Spectroscopy Division, PCM Entity, Vikram Sarabhai Space Centre, Thiruvananthapuram-695022.
MACRO 476	Investigations on thermoreversible gelation of self-assembling amphiphilic organogelators with peg core M. Himabindu, Aruna Palanisamy Polymers and Functional Materials Division, CSIR- Indian Institute of Chemical Technology,Hyderabad, Telangana, India 500007.
MACRO 494	TiO2/Poly(thiourethane-urethane)-urea Nanocomposites Using Sulfur Rich Hyperbranched Polymers: as NIR reflective, High Refractive Index and Anticorrosion Materials Ireni, Nagaraj Goud,[a,e] Karuppaiah, Murugan,[c,d] Basak, Pratyay,[b,e] Narayan, Ramanuj[a,e], Kothapalli, V. S. N. Raju, [a,e] [a] Polymers and Functional Materials Division;[b] Nanomaterials Laboratory, Inorganic & Physical Chemistry Division;[c] Centre for Sol-Gel Coatings,[d] International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI),[e]CSIR-Indian Institute of Chemical Technology (CSIR-IICT),Hyderabad - 500 007, Telangana State, INDIA.
MACRO 506	UV based Photocatalytic treatment of Methyl Tertiary-Butyl Ether (MTBE) contaminated water using TiO2–Reduced Graphene Oxide nanocomposites as a photocatalyst Ojha Ankita[a], Singh P.K.[a], Tiwary D.[a] Mishra P.K.[b] [a]Department of Chemistry, Indian Institute of Technology, BHU, Varanasi, India. [b]Department of Chemical Engineering and Technology, Indian Institute of Technology, BHU, Varanasi, India.
MACRO 512	Synergistic Effect of Nano Reinforcement and Cross-linking Towards Polyvinyl alcohol (PVA) Properties Amit Kumar Sonker[a], Naveen Tiwaria, Rajaram Krishna Nagarale[a], Vivek Verma[b] [a]Department of Materials Science and Engineering, Indian Institute of Technology, Kanpur, India.[b]Electro Membrane Processes Division, CSIR-Central salt and marine chemicals research institute, Bhavnagar, India.

MACRO 513	Clay/Graphene nanohybrid incorporated Poly Vinyl Alcohol : An Efficient Flame Retardant Stanly Sona, John Honey Dept .of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Kerala-682022, India
MACRO 528	Polyethylenimine Grafted GO as a Novel Multi-functional Reinforcing Agent for Epoxy System Raneesh Konnola, Kuruvilla Joseph Department of Chemistry, Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala, India
MACRO 547	Cryo EM characterization of self-assembled giant bottlebrush block copolymer surfactants Marc Schmutz[a], Ryan Fenyves[b], Javid Razyed[b] [a] University of Strasbourg-CNRS- Institut Charles Sadron,23 rue du Loess F 67084 STRASBOURG France.[b]Department of Chemistry, University at Buffalo, The State University of New York, Buffalo, New York.
MACRO 568	A soft-segment free method for polyurethane microspheres : Synthesis and characterisation Rasshmi E.V., Santhosh Kumar KS, Vikram Sarabhai Space Centre, Thiruvananthapuram-22.
POLYMERS FOR ENERGY AND SESENSING APPLICATIONS (PES)	
MACRO 366	Fe-N integrated metal organic gel- melamine formaldehyde derived porous carbon structures- a novel catalyst system for alkaline fuel cells N.S. Sumitha[a], G.S. Sailaja[a], K. Shijina[b], U. S. Hareesh [b], G.M. Anilkumar[c], Balagopal N. Nair [c], I. V. Rajith[d], K. Sreekumar [d] [a]Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Cochin, India.[b]Materials Science and Technology Division, CSIR-NIIST, Thiruvananthapuram, India.[c]R&D Centre, Noritake Co. Ltd, Aichi, Japan. [d]National Chemical Laboratory CSIR, Pune, India.
MACRO 369	Polyamine Phosphate Ester Blends with Oxypolybezimidazole to Improve the Properties of Proton Exchange Membrane K Rambabu, Balakondareddy Sana, Tushar Jana School of chemistry, University of Hyderabad, Hyderabad, India
MACRO 376	Fabrication of poly(vinyl chloride)-chitosan-cellulose nanocrystals based solid electrolyte membrane for direct methanol fuel cells: a sustainable approach Gaur, Surendra Singh; Dhar, Prodyut; Sonowal, Amrita; Sharma, Akanksha; Kumar, Amit; and Katiyar, Vimal Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam, India –781039
MACRO 387	Tunable photoluminescence of carbazole based quinoline conjugated polymer by doping cds quantum dot and poly (vinyl alcohol) S. Karpagam, Anjali Upadhyay Department of Chemistry, School of Advanced Sciences,VIT University, Vellore -14. Tamil Nadu, India
MACRO 389	Förster's resonance energy transfer (fret) as a technique to monitor the aggregation phenomenon of amphiphilic polymer Rajdev, Priya, Basak, Dipankar, Ghosh, Suhrit Polymer Science Unit, Indian Association for the Cultivation of Science, 2A & 2B Raja Sc. Mullick Road, Jadavpur, Kolkata – 700032, India

MACRO 391	Ambient dried carbon aerogel as an anode material for lithium ion cells Ancy Smitha Alex[a], Ananda Lekshmi. M.S[a], Sekkar. V[a], Bibin John[b], Gouri. C[c], SA Ilangovan[d] [a]Analytical Division, [b] Energy Systems Division, [c] Propellants and Special Chemicals Group, [d] Chemical Systems Group, PCM Entity, Vikram Sarabhai Space Centre, Thiruvananthapuram-695022, India
MACRO 393	Electromagnetic interference shielding of nickel electroplated fabrics. K.S.Dijitha[b], C.V.Sruthy[a], K.P.Surendran[ab] [a]Materials Science and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Trivandrum, Kerala, India.[b]Academy of Scientific and Innovative Research (AcSIR), India.
MACRO 413	Liquid crystalline template driven conductive pedot transducer for nicotine sensor Neethu K. S., Sudha J. Devaki Chemical Sciences and Technology Division, CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram 695 019, India
MACRO 439	Polyaniline salt catalyzed synthesis of hyper branched polyester and its use as dopant in polyaniline salt for coating, fluorescence and supercapacitor electrode Sangam Naidu Karri[a], Uma Shankar Male[a], Palaniappan Srinivasan[a, b] [a]Polymers & Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad-500007, INDIA. [b] CSIR–Network Institutes for Solar Energy(NWP0056), New Delhi, INDIA.
MACRO 442	Polybenzimidazole – polydimethylsiloxane composite films: morphology and mechanical properties Satheesh Kumar B[1], G Unnikrishnan[2], Santhosh Kumar K.S[1] [1]Polymers and Special Chemicals Division, Vikram Sarabhai Space Centre, Thiruvananthapuram-22.[2]National Institute of Technology, Calicut.
MACRO 447	Air stable n type di-ketopyrrolopyrrole band oligomers for high performance field effect transistors Tushita M, Sathish Patil, IISc, Banglore, India.
MACRO 451	Indolo[3,2-b]carbazole-based Poly(aryleneethynylene)s: Modulation of Their Optoelectronic Properties by Changing Monomers M. Vintu, G. Unnikrishnan Dept. of Chemistry, National Institute of Technology, NIT campus, Calicut- 673601
MACRO 467	Synthesis and characterization of carboxylic acid funtionalised sulfonated polytriazoles for proton exchange membrane Saha, Sayantani, Banerjee Susanta Materials Science Centre, Indian Institute of Technology, Kharagpur 721302
MACRO 469	Novel Gel Polymer Electrolyte films: Preparation and characterization NishaBalachandran, Parvathy C, Sadhana R, Rajeev R Analytical and Spectroscopy Division, PCM Entity, Vikram Sarabhai Space Centre, Thiruvananthapuram-695022
MACRO 481	Novel process for coating of polyaniline salt on stainless steel electrode: flexible electrode for high performance supercapacitor Gopi Chintada[a], Ramesh Gottam[a], Palaniappan Srinivasan [a, b] [a] Polymers & Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Hyderabad-500007, INDIA. [b] CSIR–Network Institutes for Solar Energy(NWP0056), New Delhi, INDIA

MACRO 482	Fabrication and electrical performance of PEDOT:PSS/graphene nanocomposites R.Aiswarya[a,b], R.Mitra[a] K.P.Surendran[a,b] [a] Electronic Ceramics group, Materials Science and Technology Division,CSIR-NIIST,Pappanamcode, Thiruvananthapuram, Kerala – 695019, India.[b] Academy of Scientific and Innovative Research(AcSIR),India.
MACRO 484	Poly(aniline-co-pyrrole) - nanocomposite for room temperature sensing of carbonmonoxide Khadeeja Sherin P. R.[a], Bhuvaneswari S.[b], Eapen Thomas[b], Sadhana R.[b], Rajeev R.[b], Benny K. George[b] [a] University of Calicut, Malappuram.[b]Analytical, Spectroscopy and Ceramics Group, PCM entity, Vikram Sarabhai Space Centre,Kerala, India.
MACRO 492	Thermoreversible gelation of cycloaliphatic poly (urethane acylsemicarbazides) in DMSOand selective adsorption and separation of dyes from waste water by using xerogels SravanBaddi, ArunaPalanisamy Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad, India, 500007
MACRO 504	Interesting Results Shown By Perovskite-Polymer Hybrid Solar Cell with Enlarged Absorption Spectra and Greater External Quantum Efficiency Bavane Swapnil Ravindrakumar Department of Chemical Engineering, University Institute of Chemical Technology, North Maharashtra University, Jalgaon
MACRO 560	Synthesis and characterisation of zinc sulphide quantum dots encapsulated zeolitic imidazolate frame works-8 A. Asif , M.S. Sreevidya Department of Chemistry, University College, Thiruvananthapuram- 695034
MACRO 569	Near-infrared Absorbing, Colorless to Neutral Color Electrochromic Materials and Devices Silja Abraham, Hitha, P. P. and Joshy Joseph Photosciences and Photonics Section, Chemical Sciences and Technology Division,, CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram - 695 019, Kerala, India.
POLYMER SYNTHESIS AND CHARACTERISATION (PSC)	
MACRO 340	A Simple Approach for Synthesis of Externally Initiated Regioregular Poly(3-Hexylthiophene) Khawas Koomkoom, Kuila Biplab K. Centre for Applied Chemistry, Central University of Jharkhand, Brambe, Ranchi, India.
MACRO 343	Synthesis and composition dependent optical, electronic properties of poly (3-hexyl thiophene)-b-poly(N-isopropyl acrylamide) Pallavi Kumari, Biplab K. Kuila Centre for Applied Chemistry,Central University of Jharkhand, Brambe, Ranchi, India
MACRO 350	Dual Functional HQ-Resins: Promising One Shot Tool for both Reinforcement and Crosslinking in Transparent Silicone Polymers P.S. Drishya[a], K. Indulekhab, R.S. Rajeev[b] [a]S.N, College, Kollam. [b]Polymers and Special Chemicals Division,Vikram Sarabhai Space Centre, Thiruvananthapuram-695 022.

MACRO 358	Poly (methylated pyridinium benzimidazolium): A New Class of Anion Exchange Membrane Balakondareddy Sana, Tushar Jana School of chemistry, University of Hyderabad, Hyderabad, India.
MACRO 372	Synthesis and Characterization of Stereo-Di-Block Polylactides with Varying Block Length Compositions Mili, Medha[a], Masutani, Kazunari[b], Sakurai, Shinichi[c], Kimura, Yoshiharu[b], Katiyar,Vimal[a] [a]Department of Chemical Engineering, Indian Institute of Technology Guwahati, Guwahati-781039, Assam, India.[b]Center for Fibre and Textile Science, Kyoto Institute of Technology, Japan-606-8585.[c]Department of Biobased Materials Science, Kyoto Institute of Technology, Japan-606-8585.
MACRO 392	Synthesis and characterization of new semifluorinated sulfonated polyimides for proton exchange membrane application Singh Asheesh, Banerjee Susanta Materials Science Centre, IIT, Kharagpur 721302, India.
MACRO 395	Synthesis and Characterization of Perfluorochain Bearing Crosslinked System via Hydrosilylation Reaction. Sandeep P.B, Monisha Baby, Ranajit Pal, Suraj S. Polymers Division, Vikram Sarabhai Space Centre, Trivandrum-695022, India
MACRO 415	Styrene based comb copolymers by click chemistry and free radical polymerization Sunitha K[a], Unnikrishnan G[b], Reghunadhan Nair C P[a] [a]Polymers and Special Chemicals Division,Vikram Sarabhai Space Centre, Thiruvananthapuram-695 022, India.[b]Department of chemistry, National institute of technology, Calicut-673601, India.
MACRO 417	Phenolic resin based organic-inorganic hybrid polymer networks: synthesis and properties Satheesh Chandran M[a], Gayathri D S[b], Sunitha K[a], Dona Mathew[a] [a]Polymers and Special Chemicals Division,Vikram Sarabhai Space Centre, Thiruvananthapuram-695 022, India. [b]Department of chemistry, SN College Varkala, Kollam, India.
MACRO 430	Cross-stitching folded polymeric systems Sujoy Bej,S Ramakrishnan* Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore.
MACRO 427	Organic - inorganic hybrid polytriazoles; synthesis and shape memory properties Ragin Ramdas M., Reghunadhan Nair C.P., Santhosh Kumar K.S. Polymers and Special Chemicals Division, Vikram Sarabhai Space Centre, Thiruvananthapuram-22.
MACRO 429	Electrically conductive oligomeric conjugated aromatic schiff base- synthesis and characterization Apparao Thotaa, Chepuri R. K. Rao Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad-500007, Telangana state, India.
MACRO 444	Defect-free regioregular poly(3-hexylthiophene) via nickel zero catalyzed kumada catalyst-transfer polymerization Tarange Dattatray, Gopinathan Sreelekha, Kumar Anshu, Kumar Anil Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai, India

MACRO 455	Gt-g-p (dadmac): synthesis, characterization and evaluation of its cationic properties as flocculant for model aqueous suspensions Pal, Pinki, Pandey, J. P., Sen, Gautam Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India.
MACRO 466	Synthesis and Chemical Modification of Polyesters Containing Allyloxy functional Groups by "Click Chemistry" Approach. Prakash P. Wadgaonkar, Verma Savita Polymer Science and Engineering Division, National Chemical Laboratory (NCL), Dr. Homi Bhabha Road, Pune 411008, India.
MACRO 475	Synthesis and characterization of PMMA/PEDOT and graphene based hybrid materials for conductive transparent thin films P. A. Saeed, Dr. A. Sujith Department of Chemistry, Materials Research Laboratory,NIT Calicut, India.
MACRO 483	Surface initiated ATRP from go: precision synthesis and control of nanocomposite properties Kattimuttathu I. Suresh,Rajender N Polymers & Functional Materials Division,CSIR-Indian Institute of Chemical Technology,Hyderabad – 500 007, India.
MACRO 488	Fluorene based cardo semifluorinated poly(ether imide)s: synthesis, characterization and gas transport properties Chatterjee, Rimpa, Banerjee, Susanta Materials Science Centre, Indian Institute of Technology, Kharagpur,India 721302.
MACRO 489	Synthesis and optoelectronic properties of hybrid rr-Poly-3-hexylthiophene (P3HT) GO nanocomposites. M. Jakeer Hussain, K.I.Suresh Polymers & Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Uppal Road, Hyderabad - 500007.
MACRO 501	Click Chemistry Route to Covalently Link PVA and Cellulose Kousar Jahan[a] , Verma, Vivek[a, b] [a]Department of Materials Science and Engineering, Indian Institute of Technology Kanpur, [b]Centre for Environmental Science & Engineering, Indian Institute of Technology Kanpur, India.
MACRO 530	Synthesis of Aliphatic Polyesters from a Bio derived AB Monomer Nevare, Yogesh R; Nemade, Devyanee J; Swaminathan Sivaram Polymer Science and Engineering Division,CSIR-National Chemical Laboratory,Pune,India
MACRO 535	Syntheses and characterization of block copolymers of methacrylates bearing POSS as well as fluoro alkyl group Siva Ponnupandian, Nikhil K. Singha Rubber Technology Centre, Indian Institute of Technology Kharagpur , West Bengal.
MACRO 536	Synthesis and Characterisation of Polyamides containing thiazolidine unit V.P. Ubale[a]; A. A. Ghanwat[b]; P.H. Basutkar[a]; J. N. Mahindrikar[b], N. N. Maldar[b], R.A. Patil[a] [a] D.B.F. Dayanand College of Arts and Science, Solapur, Maharashtra, India.[b] School of Chemical Sciences, Solapur University, Solapur, Maharashtra, India.
MACRO 537	Synthesis and gas sensing studies of polyazomethines polymers Y. S. Patil[a], V.B. Patil[b], P.H. Salunkhe[a], V .P. Ubale[c], N. N. Maldar[a] , A. A. Ghanwat[a] [a].School of Chemical Sciences, Solapur University, Solapur, Maharashtra, India.[b]School of Physical Sciences, Solapur University, Solapur, Maharashtra, India. [c].DBF Dayanand College of Arts and Science, Solapur, Maharashtra, India.

MACRO 545	Synthesis and chemical characterization of high molar mass star-shape poly(L-lactides) (PLLA's) Adam Michalski[a], Grzegorz Łapienisa [a]Department of Polymer Chemistry, Centre of Molecular and Macromolecular Studies,Polish Academy of Sciences, Sienkiewicza 112, 90-363 Lodz, Poland.
MACRO 546	Triblock poly(trimethylene carbonate) and polylactide copolyesters: synthesis, properties and stereocomplex formation M. Socka, A. Duda Department of Polymer Chemistry, Centre of Molecular and Macromolecular Studies, Polish Academy of Sciences, Sienkiewicza 112, 90-363 Lodz, Poland.
MACRO 553	Synthesis and characterization of polystyrene using modified graphene oxide based polymeric nano-surfactant via emulsion polymerization Rajender Nutenki [a], K.I.Suresh[a, b] [a, b] Polymers & Functional Materials Division,[b] Academy of Scientific and Innovative Research (AcSIR),CSIR-Indian Institute of Chemical Technology, Hyderabad, India.
MACRO 558	Synthesis and Characterization of Novel Poly(vinyl alcohol-co-styrenesulfonic acid) for Membrane Applications R.R. Choudhury, J.M. Gohil, A.K. Palai, S. Mohanty Laboratory for Advanced Research in Polymeric Materials (LARPM), Central Institute of Plastics Engineering and Technology (CIPET), Bhubaneswar, Odisha-751024, India.
MACRO 559	Functional Intrinsic Microporous Polymers for Energy Applications: Synthesis and Characterization A. K. Palai, J. M. Gohil, S. Mohanty Laboratory for Advanced Research in Polymeric Materials, Central Institute of Plastics Engineering & Technology, Bhubaneswar, Odisha, India 751 024.
MACRO 565	Hydrophobic and Hydrophilic Bicyclic Glycocarbonates from CO2 and Sugar Moieties: Synthesis and their Ring-Opening Polymerization Debasis Pati [a], Xiaoshuang Feng [a], NikosHadjichristidis [b], Yves Gnanou[a] [a]Physical Sciences and Engineering Division, [b]KAUST Catalysis Center, King Abdullah University of Science and Technology (KAUST) Thuwal 23955, Saudi Arabia.
MACRO 566	Alternating Copolymerization of CO2 with Epoxides by Metal-Free Anionic Initiators as Substitutes for Transition Metal-Based Systems Senthil K. Boopathi[†], Dongyue Zhang[†], Nikos Hadjichristidis[‡], Yves Gnanou[†], Xiaoshuang Feng [†] [†]Physical Sciences and Engineering Division and ‡ KAUST Catalysis Center, King Abdullah University of Science and Technology (KAUST), Thuwal 23955, Saudi Arabia.
MACRO 567	Carbon Dioxide-Mediated Anionic Ring Opening Polymerization of Cyclic Esters Jobi Kodiyan Varghese[†], Xiao shuang Feng,Nikos Hadjichristidis[‡], Yves Gnanou[†] [†]Physical Sciences and Engineering Division, ‡KAUST Catalysis Center, Physical Sciences and Engineering Division, King Abdullah University of Science and Technology (KAUST), Thuwal 23955, Saudi Arabia.

JANUARY 10, 2017		SESSION 16		VIZHINJAM HALL
Session Chair: Prof. Joseph Francis				
17:35	18:10	PL10	RINALDO POLI	WELL-DEFINED POLYMERIC NANOREACTORS FOR BIPHASIC CATALYSIS
18:10	18:40	AL3	RABIBRATA MUKHERJEE	KAUSHAL KISHORE MEMORIAL AWARD
18:40	19:30	BL10 BL11 BL12 BL13		RELIANCE INDUSTRIES ROSS PROCESS EQUIPMENT PVT LTD VAJRA RUBBER PRODUCTS (P) LIMITED APOLLO TYRES
19:30	**21:00**			**DINNER**

JANUARY 11, 2017		SESSION 17		VIZHINJAM HALL
Session Chair: Dr. Aravamuthan S				
09:00	09:35	PL11	TANJA WEIL	SUPRAMOLECULAR ARCHITECTURES INSPIRED BY NATURE – FROM PRECISE SELF-ASSEMBLY TO MATERIALS APPLICATIONS
09:35	10:10	PL12	RICHARD HOOGENBOOM	FROM THE CHEMISTRY OF POLY(2-OXAZOLINE)S TO THEIR USE AS BIOMATERIALS
10:10	**10:40**			**TEA BREAK**
JANUARY 11, 2017		**SESSION 18 (GSB 3)**		**TEMPLE VIEW HALL 1**
Session Chair: Prof. Arup R Bhattacharya				
10:40	11:05	SL13	SRINIVASA RAGHAVAN R	NATURE-INSPIRED HYDROGELS THAT CHANGE SHAPE IN RESPONSE TO EXTERNAL STIMULI OR TO SPECIFIC BIOMOLECULES
11:05	11:25	IL17	JAYANTA HALDAR	CATIONIC ANTIMICROBIAL POLYMERS FOR THE PREVENTION AND TREATMENT OF BACTERIAL INFECTIONS
11:25	11:45	IL21	PARAMESWAR IYER K	NOVEL CONJUGATED POLYMERS FOR SENSORS AND TO STUDY NEUROLOGICAL DISORDERS
11:45	12:00	OL37 MACRO 561	BIJU PK	EFFECT OF EPOXY CONTENT AND BLEND COMPOSITION ON THE PHASE MORPHOLOGY AND PHYSICO-MECHANICAL PROPERTIES OF POLYVINYL CHLORIDE/ EPOXIDIZED LIQUID NATURAL RUBBER (PVC/ELNR) BLENDS
12:00	12:15	OL41 MACRO 173	VINEETH VIJAYAN	PEGYLATED POLYMERIC NANOGEL FOR THERANOSTIC APPLICATIONS
12:15	12:30	OL45 MACRO 509	SHIVSHANKAR MANE	CLICK -INSPIRED CHEMISTRY FOR (BIO) CONJUGATION IN MACROMOLECULAR AND POLYMER SCIENCE
JANUARY 11, 2017		**SESSION 19 (NSP 3)**		**TEMPLE VIEW HALL 2**
Session Chair: Dr. Guenet JM				
10:40	11:05	SL14	JAYAKRISHNAN A	NOVEL NANOTECHNOLOGICAL APPROACHES TO THE TREATMENT OF LEISHMANIASIS USING 2-PROPYL QUINOLINE
11:05	11:25	IL18	BHOJE GOWD E.	MICROPHASE SEPARATION AND STRUCTURAL EVOLUTION OF BLOCK COPOLYMERS IN BULK AND THIN FILMS
11:25	11:45	IL22	KURUVILLA JOSEPH	TOUGHENED EPOXY NANOCOMPOSITES FOR STRUCTURAL APPLICATIONS

11:45	12:00	OL38 MACRO 120	KALSANG THARPA	MOLECULARLY IMPRINTED POLYMERS
12:00	12:15	OL42 MACRO 538	SRAVENDRA RANA	GRAPHENE REINFORCED SELF-HEALING NANOCOMPOSITES
12:15	12:30	OL46 MACRO 556	SABYASACHI CHAKRABORTTY	ENGINEERING PROTEIN BASED BIO-POLYMER COATED FUNCTIONAL NANOMATERIALS FOR BIO-APPLICATION
JANUARY 11, 2017		**SESSION 20 (PSC 3)**		**SEA VIEW HALL**
Session Chair: Dr. Gouri C				
10:40	11:05	SL15	MUKUNDAN THELAKKAT	TAILORING SEMICONDUCTOR POLYMERS AND BLOCK COPOLYMERS TOWARDS FUNCTIONAL CONTROL
11:05	11:25	IL19	TARUN MANDAL K	STIMULI-RESPONSIVE IONIC POLYMERS AND THEIR MATERIALS APPLICATIONS
11:25	11:45	IL23	PRIYADARSI DE	SIDE CHAIN AMINO ACID/PEPTIDE CONTAINING SYNTHETIC MACROMOLECULAR ARCHITECTURES
11:45	12:00	OL39 MACRO 109	DINESH BOROLE	SYNTHESIS, CHARACTERIZATION AND APPLICATION OF WATER BASED PRESSURE SENSITIVE ADHESIVE
12:00	12:15	OL43 MACRO 341	TANMOY MAJI	DESIGNING OF MULTI-RESPONSIVE AMINO ACID-BASED ZWITTERIONIC POLYMERS
12:15	12:30	OL47 MACRO 529	SHYAMBO CHATTERJEE	CYCLOPHANE AS CONFORMATIONALLY TWISTED MONOMER IN HIGH PERFORMANCE POLYMERS
JANUARY 11, 2017		**SESSION 21 (EPM 4)**		**VIZHINJAM HALL**
Session Chair: Dr. Benny George				
10:40	11:05	SL16	WOO EM	ARTIFICIAL RING-BANDED SPHERULITES PACKED WITH DISCONTINUOUS POSITIVE- AND NEGATIVE-BIREFRINGENCE LAMELLAE CONSTRUCTED BY TEMPERATURE CYCLING
11:05	11:25	IL20	SANJAY RASTOGI	REDUCED ENTANGLED STATE IN ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE; CHAIN DYNAMICS AND SOLID-STATE PROCESSING
11:25	11:45	IL24	SUMIT BASU	UNRAVELLING THE MECHANICS OF CRAZING IN POLYMERS THROUGH MOLECULAR DYNAMICS
11:45	12:00	OL40 MACRO 105	NITYANSHU KUMAR	MOLECULAR DYNAMICS SIMULATIONS OF HYDROLYZED POLYVINYLALCOHOL-PERFLUOROOCTANE BASED SELF-CLEAN COATINGS

12:00	12:15	OL44 MACRO 129	PRANAB DEY	DYNAMIC VISCOELASTICITY AND THERMO-MECHANICAL CHARACTERISTICS OF TPV COMPOSITES: THEORETICAL AND MORPHOLOGICAL APPROACHES
12:15	12:30	OL48 MACRO 441	SANTHOSH G	A RHEOKINETIC APPROACH TO CURE OPTIMIZATION OF POLYURETHANE BINDERS IN COMPOSITE SOLID PROPELLANT
12:30	**14:00**			**LUNCH BREAK**
JANUARY 11, 2017 SESSION 22 (PES 4) SEA VIEW HALL				
Session Chair: Dr. Dhanabalan A				
14:00	14:25	SL17	PRALAY MAITI	DESIGNING MEMBRANES FOR FUEL CELL THROUGH FUNCTIONALIZATION USING ACCELERATOR
14:25	14:45	IL25	AKINORI SAEKI	OPTOELECTRONIC AND THERMODYNAMIC PROPERTIES OF ORGANIC LEAD HALIDE PEROVSKITE
14:45	15:05	IL29	SURESH KI	SURFACE INITIATED ATRP FROM GRAPHENE OXIDE: PRECISION SYNTHESIS AND CONTROL OF NANOCOMPOSITE PROPERTIES
15:05	15:20	OL49 MACRO 308	DEEPTHI L. SIVADAS	NITROGEN-ENRICHED POROUS CARBON DERIVED FROM POLYMER OF SUCROSE AND UREA WITH HIGH CO2 CAPTURE PERFORMANCE
15:20	15:35	OL53 MACRO 144	UMA CHATTERJEE	PREPARATION AND CHARACTERIZATION OF CROSSLINKED ANION EXCHANGE MEMBRANE FOR WATER DESALINATION BY ELECTRODIALYSIS
15:35	15:50	OL57 MACRO 169	SUTANUKA PATTANAYAK	SAFE AND NON-TOXIC CARBOHYDRATE POLYMER BASED POLLUTANT SENSOR GOLD NANOPARTICLES HAVING FLUORESCENCE QUENCHING ABILITY
JANUARY 11, 2017 SESSION 23 (GSB 4) TEMPLE VIEW HALL 1				
Session Chair: Dr. Benjamin Hsiao S				
14:00	14:25	SL18	VIMAL KATIYAR	STEREOCOMPLEX POLYLACTIC ACID (SC-PLA) BASED BIONANOCOMPOSITES
14:25	14:45	IL26	RAJA SHUNMUGAM	POLYNORBORNENE DERIVED SMART NANO-VEHICLES FOR THERANOSTICS APPLICATION
14:45	15:05	IL30	ROY JOSEPH	RADIOPAQUE POLYMERS FOR MEDICAL APPLICATIONS
15:05	15:20	OL54 MACRO 419	PRASANNA KUMAR S MURAL	GRAPHENE OXIDE IMMOBILIZED POLYOLEFIN MEMBRANES FOR ANTIBACTERIAL SURFACE PROPERTIES
15:20	15:35	OL58 MACRO 167	SAYANTANI BHATTACHARYA	BIODEGRADABLE COPOLYMER FOR STIMULI RESPONSIVE SUSTAINED RELEASE OF DOXORUBICIN

JANUARY 11, 2017		SESSION 24 (NSP 4)		TEMPLE VIEW HALL 2
Session Chair: Dr. Sudha JD				
14:00	14:25	SL19	GUENET J M	CO-AXIAL SHEATHING OF POLYMERS FIBRILS WITH NANOTUBE-FORMING MOLECULES
14:25	14:45	IL31	PHILIPPE MESINI	ORGANIC NANOTUBES FROM SELF-ASSEMBLED DIAMIDES : FROM STRUCTURAL AND THERMODYNAMIC STUDIES TO MATERIALS
14:45	15:00	OL51 MACRO 542	RAVI SANKAR	EXPERIMENTAL STUDY AND MODELING OF NANO... DURING FINISHING OF COMPLEX
15:00	15:15	OL55 MACRO 321	SAMPAT SINGH CHAUHAN	THERMALLY STABLE POLY(ETHER-KETONE)/MWCNT COMPOSITES AS AN EFFICIENT ELECTRO- MAGNETIC SHIELDING MATERIAL WITH...
15:15	15:30	OL59 MACRO 112	THEJAS BHOSALE S	SUPRAMOLECULAR APPROCHES TOWARDS NOVEL APPLICATIONS
JANUARY 11, 2017		SESSION 25 (PSC 4)		VIZHINJAM HALL
Session Chair: Prof. Murugan E				
14:00	14:25	SL20	STEPHEN RIMMER	HYDROGEL POLYMER PARTICLES: SYNTHESIS AND BIOLOGICAL PROPERTIES
14:25	14:45	IL32	GURURAJAN PADMANABAN	LONG-CHAIN POLYAMIDE (LCPA) FROM A RENEWABLE RESOURCE
14:45	15:05	IL33	VIRENDRA KUMAR GUPTA	EMERGING DIRECTIONS IN 3D PRINTING MATERIALS BASED ON OLEFIN COPOLYMERS USING ZIEGLER NATTA CATALYSIS
15:05	15:20	OL52 MACRO 551	WILSENS CHRM	HIGH PERFORMANCE LIQUID CRYSTALLINE POLYMERS FROM 2,5-FURANDICARBOXYLIC ACID; SYNTHESIS
15:20	15:35	OL56 MACRO 495	AKSHATA C R	SYNTHESIS OF SURFACE MODIFIED POLY (AMIDOAMINE) DENDRIMER FUNCTIONALIZED ARGININE FOR SOLUBILITY ENHANCEMENT OF FAT SOLUBLE VITAMIN
15:35	15:50	OL60 MACRO 344	BIPLAB KUMAR KUILA	AMPHIPHILIC, THERMORESPONSIVE CONJUGATED BLOCK COPOLYMER OF POLY(3-HEXYL THIOPHENE)
16:00	**16:30**			**TEA BREAK**

JANUARY 11, 2017 16.30 - 17.30	CONCLUDING SESSION	VIZHINJAM HALL
Session Chair: Prof. Rajasekharan Pillai VN		

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