

Tuesday, 8 November 2022

Opening Ceremony, Important Speeches 08:15-09:45					
Plenary lecture 09:45-10:15 (Dr. C. Holzer)					
Break 10:15-10:45					
	Room 1	Room 2	Room 3	Room 4	Room 5
	Polymer Synthesis And Polymerization	Polymer Blends, Composites, and Nano-composites	Polymers in Covid 19, Biomedical and Tissue Engineering	Green and Environmentally Biopolymers	Nano-structured and Smart systems Simulation and Modeling of Polymeric Systems
1	10:45-11:05 A-10-2220-1	Keynote speaker (Dr. Sh. Ahmadi) 10:45-11:15	Keynote Speaker (Dr. Atai) 10:45-11:15	Keynote speaker (Dr. Yeganeh) 10:45-11:15	10:45-11:05 A-10-2138-1
	11:05-11:25 A-10-2403-2				11:05-11:25 A-10-2219-1
2	11:25-11:45 A-10-2318-1	11:15-11:35 A-10-2399-1	11:15-11:35 A-10-2047-2	11:15-11:35 A-10-2209-1	11:25-11:45 A-10-2525-1
3	11:45-12:05 A-10-2508-3	11:35-11:55 A-10-2299-1	11:35-11:55 A-10-2464-2	11:35-11:55 A-10-2107-2	11:45-12:05 A-10-2335-2
4	12:05-12:25 A-10-2206-1	11:55-12:15 A-10-2565-1	11:55-12:15 A-10-2071-1	11:55-12:15 A-10-2346-1	12:05-12:25 A-10-2335-3
5	12:25-12:45 A-10-2105-1	12:15-12:35 A-10-2065-1	12:15-12:35 A-10-2309-1	12:15-12:35 A-10-2559-2	12:25-12:45 A-10-2336-1
Exhibition, Lunch (12:30-14:00)					
Plenary Lectures 14:00-14:30 (Dr. N. Taebnia) 14:30-15:00 (Dr. A. Fooroozani Behbahani)					
	Room 1	Room 2	Room 3	Room 4	Room 5
	Polymer Synthesis And Polymerization	Polymer Blends, Composites, and Nanocomposites	Polymers in Covid 19, Biomedical and Tissue Engineering	Green and Environmentally Biopolymers	Nano-structured and Smart systems Simulation and Modeling of Polymeric Systems
1	15:00-15:20 A-10-2039-2	15:00-15:20 A-10-2594-1	15:00-15:20 A-10-2292-1	15:00-15:20 A-10-2277-2	15:00-15:20 A-10-2322-2
2	15:20-15:40 A-10-2398-1	15:20-15:40 A-10-2231-1	15:20-15:40 A-10-2490-2	15:20-15:40 A-10-2559-1	15:20-15:40 A-10-2483-1
3	15:40-16:00 A-10-2514-1	15:40-16:00 A-10-2730-1	15:40-16:00 A-10-2093-1	15:40-16:00 A-10-2489-1	15:40-16:00 A-10-2510-2
4	16:00-16:20 A-10-2562-1	16:00-16:20 A-10-2159-3	16:00-16:20 A-10-2273-2	16:00-16:20 A-10-2320-1	16:00-16:20 A-10-2662-1
5	16:20-16:40 A-10-2407-1	16:20-16:40 A-10-2024-1	16:20-16:40 A-10-2400-1	16:20-16:40 A-10-2124-1	16:20-16:40 A-10-2058-1
Break, Exhibition 16:40-17:15					

Wednesday, 9 November 2022

**Plenary Lectures**

08:30-09:00 (Dr. N. Mohammadi)

09:00-09:30 (Dr. A. Akbari)

09:30-10:00 (Dr. A. Zarrabi)

**Break 10:00-10:30**

	Room 1	Room 2	Room 3	Room 4	Room 5
	Polymer Synthesis and Polymerization	Polymer Blends, Composites, and Nanocomposites	Polymers in Covid19, Biomedical and Tissue Engineering	Green and Environmentally Biopolymers	Simulation and Modeling of Polymeric Systems Nano-structured and Smart systems Elastomers and Compounding Technologies
1	10:30-10:50 A-10-2369-1	Keynote speaker (Dr. Seifi) 10:30-11:00 A-10-2291-1	Keynote Speaker (Dr. Ramazani) 10:30-11:00	10:30-10:50 A-10-2570-1	10:30-10:50 A-10-2394-1
2	10:50-11:10 A-10-2258-1			10:50-11:10 A-10-2330-3	10:50-11:10 A-10-2265-1
3	11:10-11:30 A-10-2419-1	11:00-11:20 A-10-2232-1	11:00-11:20 A-10-2359-2	11:10-11:30 A-10-2360-2	11:10-11:30 A-10-2379-1
4	11:30-11:50 A-10-2358-1	11:20-11:40 A-10-2293-2	11:20-11:40 A-10-2606-1	11:30-11:50 A-10-2209-2	11:30-11:50 A-10-2659-1
5	11:50-12:10 A-10-2503-2	11:40-12:00 A-10-2125-1	11:40-12:00 A-10-2569-1	11:50-12:10 A-10-2351-2	11:50-12:10 A-10-2453-1
6	12:10-12:30 A-10-2074-1	12:00-12:20 A-10-2255-2	12:00-12:20 A-10-2421-1	12:10-12:30 A-10-2277-3	12:10-12:30 A-10-2263-1

**Exhibition, Lunch  
(12:20-14:00)**

**Plenary Lectures**

14:00-14:30 (Dr. J. Foroughi)

14:30-15:00 (Dr. Behranvand)

	Room 1	Room 2	Room 3	Room 4	Room 5
	Polymer Synthesis and Polymerization	Polymer blends, composites, and nanocomposites Rheology and Polymer Processing	Polymers in Covid19, Biomedical and Tissue Engineering	Fibers, Films, and Polymeric Membranes	Elastomers and Compounding Technologies, Adhesives, Paints and Coatings
1	15:00-15:20 A-10-2286-2	15:00-15:20 A-10-2501-1	15:00-15:20 A-10-2128-1	15:00-15:20 A-10-2509-1	15:00-15:20 A-10-2257-1
2	15:20-15:40 A-10-2254-1	15:20-15:40 A-10-2539-2	15:20-15:40 A-10-2087-1	15:20-15:40 A-10-2278-2	15:20-15:40 A-10-2334-1
3	15:40-16:00 A-10-2593-1	15:40-16:00 A-10-2637-1	15:40-16:00 A-10-2102-1	15:40-16:00 A-10-2041-1	15:40-16:00 A-10-2453-2
4	16:00-16:20 A-10-2492-3	16:00-16:20 A-10-2642-1	16:00-16:20 A-10-2516-1	16:00-16:20 A-10-2079-1	16:00-16:20 A-10-2563-2
5	16:20-16:40 A-10-2132-1	16:20-16:40 A-10-2616-1	16:20-16:40 A-10-2204-2	16:20-16:40 A-10-2248-1	16:20-16:40 A-10-2357-2

**Break, Exhibition  
16:40-17:15**

Thursday, 10 November 2022

Plenary Lectures 8:30-09:00 (Dr. M. Nekoomanesh) 09:00-09:30 (Dr. A. Zamani)						
Break 09:30-10:00						
Room 1		Room 2		Room 3		
Polymer Synthesis and Polymerization		Adhesives, Paints and Coatings		Polymers in Covid19, Biomedical and Tissue Engineering Fibers, Films, and Polymeric Membranes		
Room 4		Room 5		Rheology and Polymer Processing		
Green and Environmentally Biopolymers						
1	10:00-10:20 A-10-2530-1	Keynote speaker (Dr. A. Salimi) 10:00-10:30		10:00-10:20 A-10-2241-1	10:00-10:20 A-10-2186-1	Keynote Speaker (Dr. Goharpey) 10:00-10:30
2	10:20-10:40 A-10-2572-1	10:30-10:50 A-10-2094-3		10:20-10:40 A-10-2639-1	10:20-10:40 A-10-2641-1	10:30-10:50 A-10-2030-1
3	10:40-11:00 A-10-2592-1	10:50-11:10 A-10-2162-1		10:40-11:00 A-10-2558-1	10:40-11:00 A-10-2209-3	10:50-11:10 A-10-2066-4
4	11:00-11:20 A-10-2076-2	11:10-11:30 A-10-2326-1		11:00-11:20 A-10-2573-1	11:00-11:20 A-10-2347-1	11:10-11:30 A-10-2481-1
5	11:20-11:40 A-10-2566-2	11:30-11:50 A-10-2563-1		11:20-11:40 A-10-2276-1	11:20-11:40 A-10-2084-1	11:30-11:50 A-10-2352-1
6	11:40-12:00 A-10-2538-1	11:50-12:10 A-10-2595-1		11:40-12:00 A-10-2079-2	11:40-12:00 A-10-2566-1	11:50-12:10 A-10-2564-1
7				12:00-12:20 A-10-2410-2		
Exhibition, Lunch 12:00-14:00						
Important speech and closing ceremony 14:00-15:00						

## List of Papers (Oral Presentation)

## List of Papers (Oral Presentation)

Polymer synthesis and polymerization		
Paper code	Paper Title	Authors
A-10-2220-1	Supercooling suppression of microencapsulated phase change materials (mPCMs) with melamine formaldehyde shell by adding nucleating agent into the core material prior to encapsulation	Z. Nassaji, R. Shirin-Abadi
A-10-2403-2	Investigation of effective parameters on cloud point of poly(acrylamide-co-acrylonitrile) in aqueous solutions	K. Sharifiyan, M. Nasiri, M. Pourshoja
A-10-2318-1	Experimental Investigation on Morphological Characteristics and Stability of Poly(vinyl chloride) Microspheres by Microsuspension Polymerization	T. Z. Soofiani, M. N. Esfahany, M. G. Rasteiro, P. Ferreira
A-10-2508-3	Titanium-Silasequioxane Coordination Compound as a Heterogeneous, Thermally Stable Catalyst: Synthesis and Characterization	Sh.Nakhodazadeh, F. Abbasi, M. Imani, M. Karimi, M. Alizadehghadam
A-10-2398-1	Synthesis and characterization of poly(aniline-co-carbazole)@Fe <sub>3</sub> O <sub>4</sub> magnetic nanocomposite for X-band microwave shielding application	M.M. Lakouraj, R. Norouzian, M. Fallah
A-10-2514-1	Dynamic Crosslinking of Poly(ethylene terephthalate) via Zn(II) Epoxy-Vitrimer Chemistry	N. Makarinejad, M.A. Keshavarz, M.K. Razavi Aghjeh
A-10-2572-1	Ethylene-Propylene copolymerization using Et(Ind) <sub>2</sub> ZrCl <sub>2</sub> metallocene catalyst: Synthesis and Microstructure Analysis	A. Dashti, S. Ahmadjo, M. M. Mortazavi, M. Ahmadi
A-10-2204-2	Investigation of polymerization temperature profile of PMMA bone cement/nanosilica composite by Infrared thermography	A. Barforoushan, M. Sadegh Tavallali, Gh. Nejabat
A-10-2132-1	Control of hydrogen response for Polypropylene Obtained by Ziegler-Natta Catalyst: Effect of External Donor	F. Poorsank, N. Ghasemi Hamedani, M. Kohestanian
A-10-2369-1	Preparation of Polystyrene Microparticles by on-chip UV-Polymerization through Microfluidic Channels	F. Ghashghaee zadeh, M. Salami Hosseini, A. Amjadi
A-10-2258-1	Preparation of core-shell acrylonitrile-styrene-acrylate impact modifier particles through seeded emulsion polymerization	S. H. Hosseini Kakhk, J. Keyvan Rad, A. R. Ghomi, H. Abedini A. R. Mahdavian
A-10-2358-1	Continuous Preparation of Core-Shell Beads Using Photosensitive Polymeric Resins	A. R. Lotfi, F. Mohtadizadeh, B. Pourabbas
A-10-2566-2	Synthesising Iron Oxide@Silica@Gelatin Nanoparticles	N. Ghane, Sh. Khalili, S. Nouri Khorasani, M. Hafezi
A-10-2562-1	Water absorption and thermal stability of waterborne polyurethane-acrylate/nanoclay films	K. Karimi, T. Rabiee, N. Adibi, R. Bagheri
A-10-2286-2	Synthesis of Water-Soluble Sulfonated Polyaniline (SPANI) and Investigation of Its Effect on the Short-Circuit Current in the Perovskite Solar Cells	S. Pourmahdian
A-10-2407-1	Cellulose-based recyclable polymer electrolytes	Z. Amirsedghi, S. Arefeh Safavi-Mirmahalleh, A. Dadkhah-Janqor, M. Salami-Kalajahi, H. Roghani-Mamaqani
A-10-2593-1	Kinetic study of Butyl Acrylate Solution Polymerization at High Temperature	A. Hamidi, A. Mahjub
A-10-2492-3	Synthesis and characterization of 2D layered Cu-pPDA coordination polymer	M. Momeni, M. Ghaffari, A. Goudarzi, P. Taheri

A-10-2592-1	Synthesis of novel triazole-based poly vinyl imidazolium Ionic liquid for demulsification of water in crude oil	Z. zargari, H. Sadighian ,E. Ahmadi, R. Nouri
A-10-2419-1	Polyurethane Rigid Foam Synthesis Using Response Surface Methodology(RSM); Morphological Study	S. Lashgari, M. Ghafelebashi, F. Shakeri, S. Lashgari
A-10-2076-2	Surface Engineering of Reduced Graphene Oxide by Grafting Poly(butyl acrylate) chains for Use in Dielectric Polymer Nano-Composites	L. Noein, M. Razzaghi-Kashani
A-10-2530-1	Synthesis of imidazolium-based polymeric ionic liquid as supercapacitor active material	H. Ahmadi, V. Haddadi-Asl, E. Kowsari
A-10-2039-2	Monitoring the effect of initiator, stabilizer, and water/alcohol medium on the conversion of synthesized polystyrene by dispersion polymerization method by Design Expert software	M. Shahrousvand, E. Ghiasy Nick, Z. Yaghoobi Feshki
A-10-2206-1	$\alpha$ -Carboxyl $\omega$ -Iodine Hetero-Telechelic Polyisoprene Liquid Rubber: Synthesis and Characterization	<u>S. M. Razavi</u> , M. Abdollahi
A-10-2105-1	Enhanced CO <sub>2</sub> capture on nitrogen-doped porous carbon materials derived from phenolic resins based on deep eutectic solvent precursor	Z. Shirini, F. Rafiemanzelat, Mohammad Hojjat, A. Davoodi
A-10-2254-1	Preparation and characterization of photochromic polymer nanoparticles for the development of highly efficient anticounterfeiting nanoinks	H. Alidaei-Sharif, H. Roghani-Mamaqani, M. Babazadeh-Mamaqani, K. Sahandi-Zangabad, Amin Abdollahi, M. Salami-Kalajahi
A-10-2503-2	Synthesis of Novel Ionic Nanocomposites Based on Waterborne Polyurethane/Ionic Modified SiO <sub>2</sub> for Electrically Conductive Coatings	A. Taheri, N. Farzanehfar, F. Rafiemanzelat
A-10-2074-1	Synthesis of nanocellulose functionalized with pH-sensitive polymer to remove methylene blue from wastewater	M. Mousaei, H. Ahmadi, V. Haddadi-Asl
A-10-2538-1	Stimuli-Responsive PAMAM Dendritic Macromolecules for Optical Detection of Food Spoilage	B. Razavi, H. Roghani-Mamaqani, M. Salami-Kalajahi

Green and Environmentally Sustainable Biopolymers		
Paper Code	Paper Title	Authors
A-10-2209-1	Quaternary ammonium containing polyhydroxyurethane-graft-poly( $\epsilon$ -caprolactone) nanofibers as an antibacterial wound dressing	F.Hedayati, F.Shokrollahi, H.Yeganeh
A-10-2107-2	Barrier properties of PLA/PBAT/Nanoclay Bionanocomposite films for food packaging	M.Ansari, A.Javadi
A-10-2277-2	Investigation of Thermal Behavior of Bulk-Aminolyzed PLA with PAMAM	S. Shakoerjavan, M. Dobrzyńska-Mizera, S. Akbari, T. Sterzyński
A-10-2346-1	The effect of pMDI on the morphology and physical/mechanical properties of PLA/PBAT blends with a packaging application	A. H. Mahdipour, N. Golshan Ebrahimi, F. Mansourinia
A-10-2347-1	Synthesis of reactive core-shell particles and their use in toughening of poly(lactic acid)	F.Alizadeh, S. Habibi, M.Salami-Kalajahi, M.K. Razavi Aghjeh
A-10-2559-1	Analyzing the Swelling Behavior of Persian Gum-g-Polyvinyl Acetate Film Using Ternary Interaction Parameter	S. Rostampour, A. Ahmadi-Dehnoei, S. Ghasemirad
A-10-2489-1	Immobilization of Laccase Nanoflower in Polydopamine Biofilm for Biocathode Formation and Its Integration with	N. Maleki, <u>M. Nazari</u> , S. Kashanian

	Glucose Dehydrogenase Bioanode in a Membrane-free of Glucose/O <sub>2</sub> Biofuel Cell	
A-10-2320-1	Preparation and properties of biodegradable nanocomposite foams based on PLA/PBAT/Nanoclay	D.Bajelan, A.Javadi
A-10-2277-3	Four different methods of acrylic acid grafting on "PLA" nonwoven for further layer-by-layer modification	S. Shakooryavan, M. Skafi, D. Stawski, S. Akbari
A-10-2566-1	Effect of Nano-clay incorporation on the mechanical properties of nanocomposite IPNs based on GelMA/Alginate/Nano-clay	M. Hafezi, S. Nouri Khorasani, R. Esmaeely Neisiany, Sh. Khalili
A-10-2128-1	Poly(ionic liquid) based Antibacterial Hydrogels for Wound Healing	M. Abdollahi
A-10-2209-2	Hybrid Non-isocyanate polyurethane surface modified by gelatin as a wound dressing membrane	P. Mousavi, I. Omrani, H. Yeganeh, M. Babaahmadi
A-10-2351-2	Investigating the effects of non-clay on polymeric edible coating based on psyllium mucilage	P.gusheh, V.Malmir, L.Azimi
A-10-2330-3	Oxidized lignin cross-linked O-carboxymethyl chitosan /aminosilane modified LDH for enhanced tetracycline removal	R. Mohammadi Berenjegan, R. Darvishi
A-10-2209-3	Preparation and evaluation of antibacterial PVA/Gelatin/NIPU wound dressing membranes containing Guanidine hydrochloride moieties	M. Babaahmadi, H. Yeganeh
A-10-2570-1	Printability of GelMA/Alginate IPN reinforced by COF for tissue engineering application	S. Saleki, S. Nouri Khorasani, M. Hafezi, Sh. Khalili, M. R. Molaviyan
A-10-2559-2	Effect of Oxidant Concentration on Intrinsic Viscosity and Swelling Behavior of a Chemically Modified Persain Gum (PG) in Water	A. Rajabi, A. Ahmadi-Dehnoei, S. Ghasemirad
A-10-2124-1	Beaded Superabsorbent Hydrogels based on Starch-g-poly (acrylic acid) assisted by Cellulose Nanofibers for Cu <sup>2+</sup> Ions Removal	N. Mirhoseini Renani, N. Etesami, T.
A-10-2360-2	Extraction of cellulose nanofibers from paper pulp using mechanical-chemical method	M.A.Hooshmand, M.Abdollahi
A-10-2186-1	Green Synthesis and characterization of micronization Polylactide foam (lactirofoam)	I. Mohammadi Dehcheshmeh <sup>2</sup> , M. Frediani, P. Najafi Moghadam, A. Poursattar Marjani
A-10-2641-1	Green starch composite films reinforced bysecond-generation bioethanol production byproduct	R. Roostazadeh, T. Behzad, K. Karimi

Polymer in Biomedical and Tissue Engineering Polymeric Materials for Medical Care in the COVID-19 Pandemic		
Paper Code	Paper Title	Authors
A-10-2047-2	Investigating the influence of UHMWPE fibers as a toughening agent for PMMA in denture base	N.Joupari, M.Atai, A.Nodehi
A-10-2464-2	Mimicking Mechanical Behavior of Human Tissue with 3D Printable Elastomeric Hydrogel	G. Payam, L. Behboodpour, K. Jalili
A-10-2071-1	The effect of hydroxypropyl cellulose presence on the morphology and physical properties of polyvinyl alcohol nanofibers	A.M.Jamali, N.Golshan Ebrahimi, A.Zarei
A-10-2292-1	Granular Hydrogels Composed of Modified Jammed Microgels For 3D Printing Applications	M. Sheikhi, F. Rafiemanzelat
A-10-2490-2	Investigation of the effect of chitosan on polyurethane bioadhesive based on castor oil	M. Akbarinasser, R. Lotfi Mayan Sofla, M. Rezaei, A. Tabbakhi Mamaqani
A-10-2093-1	Antibacterial Nanobiocomposite Hydrogels Based on Polyphenolic Nanosheets Decorated with Ionic Liquid for Tissue Engineering	S. Zaki, D. Afshar, B. Mirzaei Behbahani, N. Nikfarjam
A-10-2639-1	Interpenetrated network hydrogel based on GelMA/ alginate and nano SiO <sub>2</sub>	A. Kakapour, S. Nouri Khorasani, S. Bagheri-Khoulenjani, S. Khalili
A-10-2273-2	The effect of the presence of Chondroitin sulfate on porosity and mechanical properties of enzymatically cross linked silk fibroin/ chondroitin sulfate hydrogel	M. Farokhi, A. Solouk, H. Mirzadeh, A. Tuschel, H. Redl
A-10-2400-1	A Promising Success in the Full Regeneration of Critical-Size Bone Defects	F. Hejazi ,H. Mirzadeh , R. Moradi
A-10-2084-1	Electrospinning of Polyhydroxybutyrate/Lignin/Cellulose-nanofibers Bio-nanocomposite Scaffold for Bone Tissue Engineering Application	M. Mohammadalipour, T. Behzad, S. Karbasi, Z. Mohammadalipour
A-10-2359-2	Fabrication of gelatin/ poly (vinyl alcohol)/ carboxymethyl cellulose composite nanofibrous sponge for hemostatic application	Raheleh Faridi Majidi, Abdorreza Sheikh-Mehdi Mesgar, Peiman Brouki Milan
A-10-2606-1	Rheological study of alginate-gelatin hydrogel for tissue engineering bioprinting	M. Bazari, R. Imani, S. Bagheri-Khoulenjani, M. Solati-Hashjin
A-10-2102-1	Fabrication and characterization of 3D bio-printed electroconductive hydrogel scaffold based on Alginate and its application in cardiac tissue engineering	Y. Noorafkan , E. Dorkhani T. Behzad , M. A. Ghiass , S. H. Ahmadi Tafti, A. Heirani-Tabasi
A-10-2241-1	The potential of PIM-1/nano silver air separation membranes application in the production of the face masks in the COVID-19 pandemic	N.Saadatkish, Z. Sayah-Alborzi, M.Saadat
A-10-2573-1	Click for bioprinting: Development of autonomous curable bioinks based on Diels-Alder click chemistry	A. Ahmadiasl, M. Halvaei, M. H. Ghanian , F. Bagheri
A-10-2087-1	Fabrication of PLGA microcarriers with oxygen release capability for bone tissue engineering	S. A. Seyyed Nasrollah, R. Karimi-Soflou, A. Karkhaneh

Nano-structured Polymers and Smart Systems		
Paper code	Paper Title	Authors
A-10-2322-2	Post-Polymerization Modification of Amide Functionalized Copolymer Nanaoparticles with Oxazolidine for Advanced Anticounterfeitng and Information Encryption	M. Rahmanidoust, A. Abdollahi, A. Dashti
A-10-2335-2	The Effect of Acrylic Based Ionomer Gel Microstructure and Electrolyte Type on the Volume Conductivity of Assembled Battery Separator	E. Shafiee, E. Talebloo, N. Mohammadi and M. Mohammadi
A-10-2058-1	Stabilizing Organized Surface Structures in Casting Solutions of Ionic Block Copolymer Membranes	K. Foroutani, S. M. Ghasemi
A-10-2483-1	Fluorescent Polymer Nanoparticles as High-Security Anticounterfeiting Ink	S. Mehrbakhsh, H. Mardani, H. Roghani-Mamaqani, S. Sheikhzadegan, M. Babazadeh-Mamaqani
A-10-2516-1	Fabrication of nanofibrous Piezoactive bioscaffold based on PVDF-GO/PLLA nanocomposite by hybrid electrospinning method	A. Bajgholi, AA. Seraji, SH. Bahrami, S. Akbari, M. Mirsalehi
A-10-2569-1	Effect of modified graphene oxide nano-plate on mechanical properties of GelMA nanocomposite in tissue engineering	M. Najarzadegan, S. Nouri Khorasani, M. Hafezi, Sh. Khalili, M. R. Molaviyan
A-10-2558-1	Introducing a nanocomposite transdermal patch: Adhesion and ketoprofen release	I. Habibollahi, S. Ghasemirad
A-10-2309-1	Preparation of poly(L-lactic acid)/gelatin co-electrospun nanofibers as potential products for biomedical applications	M. Shahrousvand <sup>1</sup> , E. Aghajani <sup>1</sup> , N. Golshan Ebrahimi <sup>1</sup>
A-10-2421-1	Three Dimensionally Culture of Sheep Preantral Follicles in a Thiolated Hyaluronic Acid Hydrogel	T. Dahmardeh Ghaleno, M. H. Ghanian, B. Ebrahimi
A-10-2219-1	The Abnormal Analysis of Number Average Molecular Weight of Sulfonated Melamine Formaldehyde (SMF)	F. Rakhshani, N. Mohamadi, M. Amini
A-10-2394-1	Visualization of Latent Fingerprints by Powder Dusting of Spiropyran Copolymer Nanoparticles	S. Jorjeisi, A. Abdollahi, N. Nikfarjam
A-10-2265-1	Preparation of thermochromic polymer based on rhodamine B for development of anticounterfeiting inks	M. Mohammadi-Jorjafki, M. Babazadeh-Mamaqani, H. Roghani-Mamaqani, S. Alipourfakhri, H. Mardani
A-10-2379-1	Preparation of light-responsive nanofibrous polymers	K. Sahandi-Zangabad, H. Roghani-Mamaqani, H. Alidaei-Sharif, M. Babazadeh-Mamaqani, A. Abdollahi, M. Kalajahi
A-10-2335-3	Mono-size Polyisocyanate nanoparticles as the interfacial crosslinker of WPU/Acrylic core-shell latexes to adhesively bond laminates	N. Mohammadi, M. Akbarinejad, M. Mohammadi



Simulation and Modeling of Polymeric Systems		
Paper Code	Paper Title	Authors
A-10-2138-1	New Protocol For Modeling of Thermal Degradation Kinetics of Epoxy Nanocomposites	M.H. Karami, M.R. Kalaei
A-10-2525-1	A novel approach for synthesis of zwitterionic polyurethane coatings through molecular dynamics simulation study	A. Mehdi Azimi, H. Ghermezcheshme, H. Makki
A-10-2453-1	Multiscale Modeling Approach to Predict the Mechanical Behavior of elastomer nanocomposites	<u>M. Barghamadi</u> , M. Karrabi, M. HR. Ghoreishy, Naderi
A-10-2336-1	The Effect of Bulk Acoustic Waves on Glass Bead Dispersion Inside The 3D Prinint Resin Materials	E. Ataee, B. Pourabbas, M.Salami
A-10-2510-2	Space State Temperature Control of poly(butylene succinate) esterification reactions	M. A. Makaremy, S. F. Tajbakhsh, S. Bazrpash, E. Vahabi, Y. Dehghani, M. Rafizadeh
A-10-2662-1	The Origin of Charge Transport Synergism in the Hybrid of Geometrically Anisotropic and Conductive Nanoparticles: A Monte Carlo Simulation Study	M. Heydarnejad Moghadam, F. Goharpey, R. Foudazi
A-10-2263-1	Simulation of Rubber Hose Curing	M.Salehi, B. Irajian, M. Seyfi
A-10-2257-1	Modeling and Temperature Control of Isocyanate-Water Side Reactions	S. Bazrpash, M. A. Makaremy, A. H. Barjini, M. Khorasani
A-10-2659-1	Numerical Study on The Effect of The viscosity on The Pinch-Off Behavior of The Droplet in the Drop Formation Process	Niloufar Parhizkar Mahdi Salami Hosseini , Hesam Atash tar

Polymer Blends, Composites and Nanocomposites		
Paper Code	Paper Title	Authors
A-10-2399-1	Mechanical and rheological properties of Poly Lactic Acid (PLA) and Poly Butylene Succinate (PBS) nanocomposites incorporating cellulose nanocrystals	E. maghsoodloo A. babaei
A-10-2299-1	Preparation of paraffin/CNT/PP aerogel composite as a new phase change material	H. Abdolmaleki, S.H. Jafari, M. Golriz, M. Haghgoo
A-10-2565-1	Effect of Modified Carbon Fiber on Shape Stability and Leakage Reduction of Phase Change Systems Based on Polyethylene Glycol	F. Karimi Eskaboni, F. Maghami, G. Abdeali, A. R. Bahramian
A-10-2637-1	Morphological and rheological investigation of PP/PC/SBS/Clay nanocomposites	M. Hassannia, M. Masoomi, A. Asadinezhad, O. Moini Jazani
A-10-2730-1	The Effect of Wood Content and layer thickness on Tensile Properties of Wood Flour/ PLA Composites Fabricated by FDM	P. Vahedi, S.Reza Ghaffarian Anbaran, A.M. Rezadoust
A-10-2024-1	Significant enhancement of Thermal conductivity in epoxy filled ceramic fillers	S. Aghasi, S.H. Jafari, M. Golriz
A-10-2159-3	Calendering Process of Bio-based Kenaf/Low Density Polyethylene Composites Sheets	M. Barvarz, M. Karevan, A. Akbari

A-10-2232-1	Investigating the effect of extruder die temperature on rheology-morphology relationship in polypropylene/polyethylene terephthalate blend	E. Hejazi, M. Masoomi
A-10-2642-1	Conduction mechanism and dielectric properties of PP/EVA/MWCNTs nanocomposites in the presence of PP-g-MA comatibler	P. Dadashi, G. H. Motlagh
A-10-2125-1	Preparation and characterization of hybrid organic-inorganic nanoparticle/PVDF blends	S. Jamalpour, M. Salehzadeh, Sh. Dadashian Foroushani, Y. Kavianpour
A-10-2291-1	Effect of Initial Silica Content on the Phase Composition, Morphology, and Thermal Oxidation Kinetic of Novolac-based Carbon Aerogel Composites	A. Seifi and Ahmadreza Bahramian
A-10-2255-2	Resonance Acoustic Mixing (RAM) in Fabrication of Thermoplastic Micro/Nanocomposites: On Solid-state Dispersion	S.M. Narimani, M. Zeinali, M. Karevan, Ali Bisheh
A-10-2065-1	An Environmentally Friendly Adsorbent Aerogel with Outstanding Mechanical Performance	Sara Tarashi, Saeid Shafaghsoorkh, Hossein Nazockdast
A-10-2594-1	Polystyrene/Poly(lactic acid) Janus particles prepared by emulsion solvent evaporation method	B.Esteki, M.Masoomi, A.Asadinezhad
A-10-2231-1	Preparation and properties of co-continuous PC/PET/MWCNT/GNP engineering polymer blend nanocomposites	M.Zallaghi, H.Azizi
A-10-2293-2	Differently Co-plasticized Thermoplastic Starches as Toughening Agent for PLA: Morphology Development and Mechanical Properties	H. Sadeghi ghari, H. Nazockdast
A-10-2616-1	Investigation of the strain sensing performance of PP/EPDM/CNT nanocomposites	S. Kheirollahi, M.Shayan-Asenjan, M.K. Razavi Aghjeh

Rheology and Polymer processing		
Paper Code	Paper Title	Authors
A-10-2352-1	The rheological characterization of different concentrations of bacteria in the polymer solution	A. Zarei, N. Golshan Ebrahimi, A. M. Jamali
A-10-2481-1	Modification of Polypropylene-graft-Maleic Anhydride with Epoxy by Reactive Extrusion for Preparation of High-Melt-Strength Polypropylene	E. Imanizadeh, Amir H. Navarchian
A-10-2564-1	Influence of molecular weight, molecular weight distribution, random and impact co-polymerization on the rheological behavior of polypropylene	M. Salimi, A. Aghajari, A. Nemati, SH. Hassanajili
A-10-2539-2	Chemorheological Characterization of HTPB Based Polyurethane Formulations Containing Different Chain Extender Contents	<i>HamidReza Shams-Zarandi, Abbas Kebritchi</i>
A-10-2501-1	Studying Rheology of the FENE-P Chains Using a Micro-Macro Approach	A. Sheikh <sup>1</sup>
A-10-2066-4	Rheological behavior of poly(lactic acid)/ silicon rubber/ Silicon Modified Graphene Oxide	A.Moshkriz, R.Darvishi, A. R. Behzadi Nasab
A-10-2030-1	The solid state rheological investigation of core-shell impact modifier nanoparticles efficacy: 3-D networking	F. Naderi Samani, and <u>N. Mohammadi</u> *

Elastomers and Compounding Technologies		
Paper Code	Paper Title	Authors
A-10-2487-1	The role of carbon black as the secondary filler in improving non-linear viscoelastice behavior of styrene-butadiene rubber compound filled with modified silica	M. Soleymani, M. Razzaghi-Kashani*, S. M. Hosseini
A-10-2453-2	Passenger Tire Tread Formulation Based On Silica/Carbon Black Hybrid Reinforcement System	Mohammad Barghamadi, Mohammad Karrabi*, Mir Hamid Reza Ghoreishy, Ghasem Naderi

Fibers, Films, And Polymeric Membranes		
Paper Code	Paper Title	Authors
A-10-2248-1	Synthesis and optimized electrospinning of oxidized carboxymethyl cellulose	A. Hivechi, H. Yousef Momeji, K. Mäder, S. H. Bahrami
A-10-2410-2	Preparation of PVDF-HFP Gel Polymer Electrolytes with Honey Comb-Like Morphology Structure for Lithium-Ion Battery Application	P. Gorji, M. Ghahramani, M. Haghghi-Yazdi <sup>1</sup> , M. Javanbakht
A-10-2079-2	Synthesis and characterization of novel high performance poly(sulfone-amid) alternative copolymers for water desalination membranes	M. Jalili, Sh. Mehdipour-Ataei, S. Babanzadeh
A-10-2509-1	Surface modification of silica nano particles by graft polymerization of acrylamide and effect of the particles on the gas separation properties of Pebax membrane	K. Salehi, M. Sadeghi, A. Fakhaar
A-10-2278-2	Synthesis and characterization of novel poly(sulfone urethane) based on urethane diol oligomer for membrane desalination	Sh. Mehdipour-Ataei, S. Babanzadeh, A. Moghaddam
A-10-2041-1	Novel graphene oxide semi-IPN nanocomposite hydrogel based on partially hydrolyzed polyacrylamide: preparation, swelling properties and adsorption studies of cationic methylene blue dye from water	A. Mirkani, N. Alijani, A. Rahmatpour
A-10-2079-1	Synthesis, characterization, and membrane desalination application of a novel poly(sulfone sulfide)	A. Moghaddam, S. Babanzadeh, Sh. Mehdipour-Ataei
A-10-2276-1	Fabrication and characterization of L-Asparagine monohydrate functionalized-TiO <sub>2</sub> /PES nanofiltration membrane with enhanced antifouling properties in removal of dye pollution from water	N. Marvi, M. Sadeghi, Sh. Akbarnezhad

Adhesives, Paints and Coatings		
Paper Code	Paper Title	Authors
A-10-2326-1	Effect of acrylic resin type and molecular weight on the performance of intumescent coatings	T. Ashrafabadi, M. Ebrahimi, M. Khorasani

A-10-2563-1	Viscoelastic Properties of a Zinc Oxide-Filled Acrylate Pressure Sensitive Adhesive	S. Ghasaban, M.Imani, M.Atai
A-10-2595-1	Evaluation of peel strength of a polyurethane/acrylic pressure-sensitive adhesive	A. Zandi, S. Ghasemirad
A-10-2334-1	Evaluation of Surface Energy for CPP Film Using the Lifshitz-van der Waals-Acide-Base Method	N. Hajshafiha, A. ashouri, H. deldar
A-10-2357-2	Synthesis of Hybrid Graphene-Based Filler as a Promising Filler to Alter the Hydrophobicity/Hydrophilicity of the Polymeric Coatings	M. Oroujpour, A. Rezvani-Moghaddam, S. Foroughirad
A-10-2094-3	Effect of silanized polyurethane content on adhesion properties of a polyurethane-acrylic hybrid adhesive	A. Zandi, S. Ghasemirad*
A-10-2563-2	Zinc Oxide-Filled, Acrylate Pressure Sensitive Adhesive: Adhesion and Antibacterial Evaluations	S. Ghasaban, M. Imani, M. Atai, S. Shahsavan
A-10-2162-1	A novel epoxy/MXene nanocomposite adhesive in aluminum-aluminum bonded joints: Mechanical properties and lap shear strength	E. Hajizamani <sup>1</sup> , O. Moini Jazani <sup>1*</sup> , H. Riazi <sup>2</sup>

Plenary Speakers	Title
Dr. A. Holzer	Injection Moulding of flexible devices
Dr. A. Fooroozani Behbahani	Atomistic and Coarse-grained Simulations of Polymer Melts and Nanocomposites
Dr. J. Foroughi	Smart Materials
Dr. A. Akbari	Antiviral Polymers as available weapons against novel coronavirus (2019-nCoV)
Dr. A. Zarrabi	Nanotheranostic Polymeric Platforms and Personalized Medicine: Recent Advances and Future Directions"
Dr. N. Mohammadi	Effect of water infiltration rate on mechanical properties of heat treated crumb rubber containing cementitious mortar"
Dr. A. Zamani	Bioconversion of food waste to sustainable fungal textiles
Dr. Nekoomanesh	Ionic Liquid assisted cationic polymerization of olefin monomers
Dr. V. Bahravand	Worldwide fight against COVID-19 using polymer science and nanotechnology
Dr. N. Taebnia	Advanced Biomaterials for Capturing Complex 3D Physiology in Tissue Models

Keynote Speakers	
Dr. S. Ahmadi	Manipulating the morphology of PA6/POE blends using graphene to achieve electrical properties
Dr. H. Yeganeh	Vegetable oil-based polymers for controlled drug delivery systems"
Dr. A. Seifi	Novolac-based carbon aerogel composites; synthesis, characterization and thermal performance
Dr. A. Ramazani	Preparation and Characterization of Self-Stimuli Conductive Nerve Regeneration scaffolds
Dr. A. Salimi	Facing Challenges in Developing Adhesives and Coatings with High Refractive Index
Dr. Atai	Adhesion in dentistry
Dr. F. Goharpey	Particle shape effects on shear thickening and hysteresis behavior of the non-Brownian suspensions

