Tuesday October 1, 2024				
<b>17:00 - 18:30</b> 19:00	Registration Welcome dinner			
13.00	Wednesday October 2, 2024			
9:00 - 9:20	Opening			
		Session 1		
Chaired by	Jaroslav Mosnáček			
9:20 - 9:40	L-01 Pavol Alexy	Ecological materials from bio-based and bio-degradable polymers		
9:40 - 10:00	L-02 Ivan Chodák	Modification of thermoplastic starch as a component in mixtures with biopolymers		
10:00 - 10:20	L-03 Ivan Kelnar	Processing, blending and modifications of chitin/glucan complex in ionic liquids		
10:20 - 10:50	Coffee Break			
Session 2				
Chaired by	Chih-Feng Huang			
10:50 - 11:10	L-04 Petr Štěpánek	Microfluidic preparation of polymer nanoparticles and giant polymer vesicles		
11:10 - 11:30	L-05 Jozef Kollár	Exploring various techniques to produce polymeric nanoparticles		
11:30 - 11:50	L-06 Vladimír Raus	Polysaccharide-synthetic polymer hybrids: from graft copolymers to blends and (nano)composites		
11:50 - 12:10	L-07 Jaroslav Mosnáček	Oxygen tolerant surface initiated photochemically induced ATRP		
12:10 - 12:30	L-08 Sachin Gupta	Functionality amplification for the straightforward synthesis of complex polymeric architectures		
12:30 - 14:00	Lunch			
		Session 3		
Chaired by	Zdenko Špitalský			
14:00 - 14:20	L-09 Shiao-Wei Kuo	Construction archimedean tiling patterns based on soft materials		
14:20 - 14:40	L-10 Martin Danko	Dynamic polyester networks based on tulipalin a and ε-caprolactone crosslinked by thia-Michael reaction and activated by alkylation of thioether group		
14:40 - 15:00	L-11 Katarína Borská	Polylactide-based dynamic networks		
15:00 - 15:20	L-12 Abolfazl Heydari	Dynamic networks in biomedical applications: connecting molecular behavior to macroscopic properties		
15:20 - 15:40	L-13 Chih-Feng Huang	Investigations of efficient reactions towards polymerizations to the preparations of novel functional polyesters		
15:40 - 16:00	L-14 Stepan Podzimek	Synthesis and molecular structure of acrylic copolymers containing bio- synthetic monomers		
16:00 - 18:00	Poster session			
18:00 - 20:00	Excursion in Astronomical Institu	ute SAS, dinner		
		Гhursday October 3, 2024		
		Session 4		
Chaired by	Dušan Račko			
9:00 - 9:30	L-15 Peter Košovan	Acid-base equilibria and partitioning of solutes in two-phase systems containing charged polymers and colloids		
9:30 - 9:50	L-16 Pritam Guha	Tailoring 2-oxazoline based digradient copolymers for rifampicin delivery: synthesis, physicochemical properties, and colloidal behavior		

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9:50 - 10:10	L-17 Rafal Poreba	Well-defined poly(2-isopropenyl-2-oxazoline) brushes provide fouling resistance and versatility in surface functionalization		
10:10 - 10:30	L-18	Interactions of proteins with poly(ethylene oxide) modified surfaces in two different setups studied by molecular dynamics		
10.00 10.50	Zuzana Benková	· · · · · ·		
10:30 - 10:50	Coffee Break	Occasion 5		
Session 5				
Chaired by	Martin Hrubý			
10:50 - 11:10	L-19 Igor Lacík	Alginate-based microspheres for cell encapsulation in diabetes treatment		
11:10 - 11:30	L-20 Michal Babič	Polymer particles as contrast agents for photoacoustic tomography		
11:30 - 11:50	L-21 Krzysztof Jerczynski	Synthesis of molecular brushes with lubrication properties as component of novel injectable polymer gels for osteoarthritis treatment		
11:50 - 12:10	L-22 Michal Pechar	Targeting of polymer drug delivery systems with recombinant proteins bound via tris(nitrilotriacetic acid)		
12:10 - 12:30	L-23 Jiří Pfleger	Electronic memory phenomena in polymers – from digital memory to memristors and simulation of neuronal synapses		
12:30 - 14:00	Lunch			
	Session 6			
Chaired by	Zuzana Benková			
14:00 - 14:20	L-24	Knots in polymers, DNA and proteins		
	Peter Virnau			
14:20 - 14:40	L-25 Dušan Račko	Knots in polymers and biopolymer and chirality		
14:40 - 15:00	L-26 Renáta Rusková	DNA topology in Atomic Force Microscopy		
15:00 - 15:20	L-27 Pawel Dabrowski-Tumanski	Borromean rings in proteins		
15:20 - 15:40	L-28 Peter Cifra	Cavity confinement of semiflexible macromolecules		
15:40 - 16:00	L-29 Ján Smrek	Active polymer melt		
16:00 - 16:15	L-30 Stanislav Kukla	Chapters in Green chemistry		
16.15 - 16.30	Coffee Break			
10.10	SHOO BIOUR	Session 7		
Chaired by	Zuzana Kroneková			
Chaired by 16:30 - 16:45	LS-01	Synthesis and characterization of biocompatible and 3D printable poly		
16.30 - 16.43	Nafiseh Babaei	(OEGMA-stat-MMA) thermoplastic elastomers via ATRP polymerization suitable for tissue engineering applications		
16:45 - 17:00	LS-02 Ankita Meena	Propagation rate coefficient of methyl acrylate and 2-methoxy ethyl acrylate in water and ethanol/water mixtures		
17:00 - 17:15	LS-03	Investigation of dynamic and static properties of cyclic polyacrylate melts		
17:15 - 17:30	Omid Moghaddam  LS-04  Silvia Mares Barbosa	Natural nanofillers from Aspergillus niger as a highly efficient reinforcement in novel elastomers based on waterborne polyurethane		
17:30 - 17:45	LS-05 Fereshteh Kazemi-Aghdam	Mechanical characterization of dual crosslinked alginate-based hydrogel formed via reversible covalent bonds		
17:45 - 18:00	LS-06 Aakash Sharma	The unusual gelation in aspartate-based polyurea: effect of sniv salt on network structure		
19:00	Conference dinner			
	Special evening lecture	Swing, an important part of jazz music, piano performance and comments		
	Ivan Chodák			

	Friday October 4, 2024				
Session 8					
Chaired by	Matej Mičušík				
9:00 - 9:20	L-31 Zdenko Špitalský	Antibacterial activity of 3D printed thermoplastic elastomers for biomedical applications			
9:20 - 9:40	L-32 Radek Stocek	A detailed study of the effect of cyclic loading on the thermal expansion coefficient of reinforced styrene-butadiene rubber as a function of different carbon black types"			
9:40 - 10:00	L-33 Anastasiia Stepura	Study of properties of novel HAVOH-based polymeric nanocomposites with 2D MXene			
10:00 - 10:20	L-34 Mária Kováčová	Hydrophobic carbon quantum dots as antimicrobial agent in polymer coatings and their eco-toxicity study			
10.20 - 10.50	Coffee Break				
		Session 9			
Chaired by	Igor Lacík				
10:50 - 11:10	L-35 Martin Hrubý	Stimuli-responsive polymers for bioapplications: From drug delivery systems to sensor			
11:10 - 11:30	L-36 Juraj Kronek	Poly(2-isopropenyl-2-oxazoline) as a versatile functional polymer for advanced materials			
11:30 - 11:50	L-37 Tibor Macko	Advanced analytical characterization of synthetic polymers with chromatographic and spectroscopic method			
11:50 - 12:10	L-38 Zuzana Kroneková	Cationic poly(2-ethyl-2-oxazoline)s as new class of biocompatible modifiers of montmorillonites for sorption and decontamination of organic molecules			
12:10 - 12:30	L-39 Matej Mičušík	Two-dimensional materials and hybrids for advanced application			
12:30 - 13:00	Closing				
13:00 - 14:00	Lunch				