

Hall 029

Chair: Vladislav Tomišić		
9:15 – 10:00	Branka Miljević (Queensland University of Technology, Brisbane, Australia) Southern ocean aerosols: Climate impacts and the power of real-time chemical sensing	
10:00 – 10:30	Davor Kovačević (Faculty of Science, Zagreb) Polyelectrolyte multilayers as versatile coatings: from dental materials to apples	
10:30 – 11:00	Vanda Juranić Lisnić (Faculty of Medicine, University of Rijeka) Cytomegalovirus is a master manipulator of protein-protein interactions.	
11:00 – 11:15	Monika Šabić Runjavec (Faculty of Chemical Engineering and Technology, Zagreb) Remediation of antibiotic contaminated water with indigenous microbial strain	
11:15 – 11:25	Keith Racman (Mettler Toledo)	
11:25 -11:45	Coffee break	

Hall 029 Hall 269

Chair: Nela Malatesti		С	hair: Orjen Petković
11:45 – 12:30	Nikola Basarić (Ruđer Bošković Institute, Zagreb) Development of photocages for the applications in chemistry and biology	11:45 – 12:30	Ernest Meštrović (Faculty of Chemical Engineering and Technology, Zagreb) Brucoši pod povećalom: Što otkrivaju njihove pogreške u kemijskom računu
12:30 – 13:00	Nermina Malanović (University of Graz, Austria) Targeting Bugs, Cancer, and Inflammation: A Multifunctional Peptide-Based Strategy	12:30 – 13:00	Ivana Salajić (Gimnazija Petra Preradovića, Virovitica) Gdje se kemija i fizika dodiruju?
13.00 – 13.15	Ana-Marija Milisav (Ruđer Bošković Institute, Zagreb) Effects of pH on Mineralization of Bulk Alginate Hydrogels Containing Metal or Metal Oxide Nanoparticles	13.00 – 13.30	Lana Šojat (VII. Gimnazija, Zagreb) Metodičko znanje – što bi trebalo znati da bi mogli bolje poučavati

^{*} Lunch is organized at the Trsat Campus facilities, 7.50 € for the lunch menu per person (not covered by the organizers)

13.15 – 13.30	Iva Zokić (Faculty of Chemical Engineering and Technology, Zagreb) Improving Ceritinib Solubility and Release using Deep Eutectic Solvents		Lana Šojat (VII. Gimnazija, Zagreb) Metodičko znanje – što bi trebalo znati da bi mogli bolje poučavati
13.30 – 13.45	Suzana Inkret (Ruđer Bošković Institute, Zagreb) Calcium phosphates/silver nanoparticles composite coatings on the titanium surface – properties and antibacterial activity	13.30 – 14:00	Orjen Petković (Scuola media superiore italiana Fiume) Zadatci s učestalo niskom rješivošću na državnim maturama iz kemije: u čemu je problem
14:00 – 15:00	Lunch break*		

Hall 029

Chair: Ernest Meštrović		
15:00 – 15:30	Andrea Usenik and Vladislav Tomišić (Faculty of Science, Zagreb) Acceleration of ions in solution under the influence of an electric field: What is observed macroscopically vs. what is happening microscopically	
15:30 – 17:30	ROUNDTABLE DISCUSSION Moderna nastava kemije i komunikacija nastavnika na obrazovnoj vertikali	

Terrace of the Kampus restaurant

Chair: Dean Marković		
18:30 – 19:30	Tomislav Pavlešić (Faculty of Biotechnology and Drug Development, Rijeka) Autohtona vina Kvarnera – kako ih kušati (uz kušanje vina)	

20:00 Conference dinner at the Kampus restaurant	
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DAY 2 🛞 11 July



8:30 – 9:00 | REGISTRATION

Hall 029

	Chair: Marina Šekutor	
9:00 – 9:45	Ivan Halasz (Ruđer Bošković Institute, Zagreb) In situ powder X-ray diffraction and Raman spectroscopy for monitoring of ball-milling mechanochemistry	
9:45 – 10:15	Marija Jozanović (Department of Chemistry, University of Osijek) Quaternary ammonium salts as selective potentiometric sensor materials and efficient antimicrobial agents	
10:15 – 10:30	Donna Danijela Dragun (Faculty of Chemical Engineering and Technology, Zagreb) Electrospinning for medical application and drug delivery systems	
10:30 – 10:45	Marijan-Pere Marković (Faculty of Chemical Engineering and Technology, Zagreb) Development and Optimization of 3D Printed Reactors for Photochemical Reactions	
10:45 – 11:00	Elizabeta Forjan (Faculty of Chemical Engineering and Technology, Zagreb) Integrated Sol-Gel pH Sensors for Non-Invasive Tracking of Saponification in Microreactors	
11:00 – 11:10	Ahmed Dhifaoui (JEOL)	
11:10 – 11:35	Coffee break	

Hall 029

Chair: Leo Štefan		
11:35 – 12:20	Zdravka Knežević (Jadran galenski laboratorij, Rijeka) Technical, regulatory and IP aspects of innovations in pharmaceutical R&D process	
12:20 – 12:50	Adrijana Vinter (Selvita, Zagreb) Better Inputs, smarter outputs: why ePSA belongs in the drug discovery data pipeline?	
12:50 – 13:20	Domagoj Vrsaljko (Faculty of Chemical Engineering and Technology, Zagreb) Fabrication of 3D printed microfluidic systems for flow chemistry	
13:20 – 13:35	Sabino Sepčić (Jadran galenski laboratorij, Rijeka) Extractables and leachables from container closure systems	
13:35 – 14:35	Lunch break*	

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Main hall

14:35 – 15:45	POSTER SESSION
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Hall 029

	Chair: Maria Kolympadi Markovic
15:45 – 16:00	Helena Biljanić (Ruđer Bošković Institute, Zagreb) Surface functionalization of stainless steel implants with fatty acid-based nanocoatings
16:00 – 16:10	Ana Coban (Faculty of Chemical Engineering and Technology, Zagreb) Determination of the ecotoxicity of silver nanoparticles, chitosan, titanium dioxide and thymol with Vibrio fischeri, Chlorella sp. and Lemna minor
16:10 – 16:20	Josip Gudelj (Faculty of Chemical Engineering and Technology, Zagreb) Analysis of technologies for green hydrogen production
16:20 – 16:30	Andrea Pleić (Faculty of Chemical Engineering and Technology, Zagreb) Mebendazole removal efficiency and ecotoxic effect
16:30 – 16:40	Petra Glagolić (Faculty of Chemical Engineering and Technology, Zagreb) Optimization of Copper Nanoparticle-Based Antimicrobial Materials and Fabrication of PCL Nanostructures via Electrospinning
16:40 – 16:50	Sven Marinac (Faculty of Science, Zagreb) Experimental and Computational Studies of Solvent Molecule Inclusion within a Calix[4] arene Hydrophobic Cavity
16:50 – 17:00	Ana Boltek (Faculty of Chemical Engineering and Technology, Zagreb) Bioremediation of wastewater with indigenous bacterial cultures from biowaste
17:00 – 17:10	Marta Jerneić (Faculty of Chemical Engineering and Technology, Zagreb) Bioaugmentation of highly organically loaded waste stream with thermophilic bacterial cultures

Hall 029

17:10 – 17:30		Best Poster Award and Closing Ceremony
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