

DAY 1 10 July

8:30 – 9:00	REGISTRATION
9:00 – 9:15	Opening addresses

Hall 029

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

Hall 029

Hall 269

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

*Lunch is organized at the Trsat Campus facilities, 7.5 € for the lunch menu per person (not covered by the organizers)

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

Hall 029

Chair: Ernest Meštrović

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

Terrace of the Kampus restaurant

Chair: Dean Marković

18:30 – 19:30	Tomislav Pavlešić (Faculty of Biotechnology and Drug Development, Rijeka) <i>Autohtona vina Kvarnera – kako ih kušati (uz kušanje vina)</i>
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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) <i>In situ powder X-ray diffraction and Raman spectroscopy for monitoring of ball-milling mechanochemistry</i>
9:45 – 10:15	Marija Jozanović (Department of Chemistry, University of Osijek) <i>Quaternary ammonium salts as selective potentiometric sensor materials and efficient antimicrobial agents</i>
10:15 – 10:45	Josip Požar (Faculty of Science, Zagreb) <i>Thermodynamics of Hydrophobically Driven Inclusion Reactions; the Binding of Aliphatic and Aromatic Guest with Cyclodextrins and Cucurbiturils</i>
10:45 – 11:00	Elizabeta Forjan (Faculty of Chemical Engineering and Technology, Zagreb) <i>Integrated Sol-Gel pH Sensors for Non-Invasive Tracking of Saponification in Microreactors</i>
11:00 – 11:10	Keith Racman (Mettler Toledo)
11:10 – 11:35	 Coffee break

Hall 029

Chair: Leo Štefan

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

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) <i>Surface functionalization of stainless steel implants with fatty acid-based nanocoatings</i>
16:00 – 16:15	Donna Danijela Dragun (Faculty of Chemical Engineering and Technology, Zagreb) <i>Electrospinning for medical application and drug delivery systems</i>
16:15 – 16:30	Marijan-Pere Marković (Faculty of Chemical Engineering and Technology, Zagreb) <i>Development and Optimization of 3D Printed Reactors for Photochemical Reactions</i>
16:30 – 16:40	Petra Glagolić (Faculty of Chemical Engineering and Technology, Zagreb) <i>Optimization of Copper Nanoparticle-Based Antimicrobial Materials and Fabrication of PCL Nanostructures via Electrospinning</i>
16:40 – 16:50	Sven Marinac (Faculty of Science, Zagreb) <i>Experimental and Computational Studies of Solvent Molecule Inclusion within a Calix[4]arene Hydrophobic Cavity</i>
16:50 – 17:00	Ana Boltek (Faculty of Chemical Engineering and Technology, Zagreb) <i>Bioremediation of wastewater with indigenous bacterial cultures from biowaste</i>
17:00 – 17:10	Marta Jerneić (Faculty of Chemical Engineering and Technology, Zagreb) <i>Bioaugmentation of highly organically loaded waste stream with thermophilic bacterial cultures</i>
17:10 – 17:20	Andrea Pleić (Faculty of Chemical Engineering and Technology, Zagreb) <i>Mebendazole removal efficiency and ecotoxic effect</i>
17:20 – 17:30	Josip Gudelj (Faculty of Chemical Engineering and Technology, Zagreb) <i>Analysis of technologies for green hydrogen production</i>
17:30 – 17:40	Ana Coban (Faculty of Chemical Engineering and Technology, Zagreb) <i>Determination of the ecotoxicity of silver nanoparticles, chitosan, titanium dioxide and thymol with <i>Vibrio fischeri</i>, <i>Chlorella sp.</i> and <i>Lemna minor</i></i>

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17:40 – 18:00	 Best Poster Award and Closing Ceremony
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