

8:30 – 9:00	Registration
9:00 – 9:15	Opening addresses
Chair: Iva Rezić	
9:15 – 10:00	Kristina Sepčić (Biotechnical Faculty, University of Ljubljana) <i>Lipid-binding aegerolysin proteins from edible oyster mushrooms as bioinsecticides and membrane lipid markers</i>
10:00 – 10:30	Aleksandra Maršavelski (Faculty of Science, Zagreb) <i>Designing Ancestral Enzymes to Understand and Enhance Plastic Degrading Activity</i>
10:30 – 11:00	Valentina Bušić (Faculty of Food Technology Osijek) <i>Synthesis of biologically active derivatives of vitamins B6 and B3</i>
11:00 – 11:15	Bojan Hamer (Ruđer Bošković Institute, Center for Marine Research, Rovinj) <i>Biomass production and ecosystem services of the mussel species <i>Mytilus galloprovincialis</i>: UPOV Cuvi vs Lim Bay</i>
11:15 -11:45	Coffee break
Chair: Vladislav Tomišić	
11:45 – 12:30	Nađa Došlić (Ruđer Bošković Institute, Zagreb) <i>Strategies for modeling photochemical reactions: achievements, challenges and perspectives</i>
12:30 – 13:00	Nikola Bregović (Faculty of Science, Zagreb) <i>Calorimetric characterization of reactions in solid-state - proton transfer, co-crystallization and host-guest complex formation</i>
13:00 – 13:30	Petar Kassal (Faculty of Chemical Engineering and Technology, Zagreb) <i>Using Printed Electronics Technologies for Mass Production of Solid-state Ion-selective Electrodes</i>
13:30 – 13:45	Nikola Biliškov (Ruđer Bošković Institute, Zagreb) <i>Thermal stability and transport properties of zinc zeolitic imidazolate lattices determined by internal vibrational dynamics</i>
13:45 – 14:00	Katarina Lisac (Ruđer Bošković Institute, Zagreb) <i>Catalytic and magnetic study of monometallic and bimetallic MOF-74 materials with terephthalic and isophthalic linkers</i>
14:00 – 14:10	Ahmed Dhifaoui (JEOL EUROPE)
14:10 – 15:15	Lunch break *
15:15 – 17:00	Poster session
17:00 – 18:45	Trsat Castle guided tour and wine tasting

19:30	<i>Dinner</i>
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September 6th

8:30 – 9:00	Registration
Chair: Dean Marković	
9:00 – 9:45	Marin Roje (Ruđer Bošković Institute, Zagreb) <i>Isolation, Synthesis and Structural Characterization of Natural and Synthetic Compounds</i>
9:45 – 10:15	Fabio Faraguna (Faculty of Chemical Engineering and Technology, Zagreb) <i>Enhancing the fuel quality with biofuels and additives: summary of the research project findings</i>
10:15 – 10:30	Leo Frkanec (Ruđer Bošković Institute, Zagreb) <i>A self-assembled amino acid-based nanofiber hydrogel as a novel hydrolase model</i>
10:30 – 10:45	Marko Purić (Faculty of Science, Zagreb) <i>Development of method for the synthesis of chiral multisubstituted cyclopentadienyl ligands</i>
10:45 – 11:15	Coffee break
Chair: Nela Malatesti	
11:15 – 11:45	Daniela Kalafatović (Faculty of Biotechnology and Drug Development, Rijeka) <i>Pushing the boundaries of peptide discovery using machine learning-guided generative models</i>
11:45 – 12:15	Adrijana Vinter (Selvita, Zagreb) <i>Revolutionizing drug discovery: unleashing the power of AI in Chemistry</i>
12:15 – 12:30	Marko Babić (Faculty of Biotechnology and Drug Development, Rijeka) <i>Comparing the effectiveness of Coarse-Grained simulations in peptide self-assembly and aggregation with different structural inputs</i>
12:30 – 12:45	Katarina Čačić (Faculty of Science, Zagreb) <i>Masked protective group in alkylation of unprotected indoles</i>
12:45 – 14:00	Lunch break *
Chair: Leo Štefan	
14:00 – 14:30	Filip Lešić (JGL d.d., Rijeka) <i>Risk assessment and evaluation of potential N-nitrosamine impurities presence in pharmaceutical drug products, starting raw materials and the development of a corresponding mitigation strategy</i>
14:30 – 14:45	Marko Gobin (Ruđer Bošković Institute, Zagreb) <i>Customized multisubstituted cyclopentadienes: innovations in design and synthesis</i>
14:45 – 15:00	Lovro Vučetić (Faculty of Science, Zagreb) <i>Photoinduced chemo- and regioselective alkylation of phenols</i>
15:00 – 15:15	Filip Duplić (Ruđer Bošković Institute, Zagreb)

	<i>Design and synthesis of chiral amine-based Cp-ligands</i>
Chair: Ernest Meštrović	
15:15 – 16:45	<i>Roundtable discussion</i>
	<i>Chemistry in the Age of Artificial Intelligence: Innovations, Collaborations, and Challenges</i>
16:45 – 16:50	<i>Closing ceremony</i>

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