

5th International Congress of Chemists and Chemical Engineers of B&H

27 – 30 June 2024, Sarajevo



PROGRAMME

Thursday, 27 June 2024

- 18:30 – 20:00 | Registration – 13th Floor, Red Lounge
19:00 – 21:00 | Cocktail Party – 13th Floor, Red Lounge

Friday, 28 June 2024

- 08:00 – 09:00 | Registration and Coffee – 13th Floor, Gold Lounge
- 09:00 – 09:30 | *Opening Ceremony – 13th Floor, Gold Lounge*
- 09:30 – 10:05 | **Opening Ceremony Lecture: Dr. Emira Kahrović:**
Tumor Selective Ru(III) Schiff Bases Complexes, Discrimination of Ru(III)/Ru(II) Complexes in Solution: A DFT Study
- 10:10 – 11:00 | **Plenary Lecture 1: Dr. Stefan Wuttke:**
Reticular Nanoscience: Bottom-Up Assembly Nanotechnology
- 11:05 – 11:55 | **Plenary Lecture 2: Dr. Walter Goessler:**
Element Accumulation in Mushrooms
- 12:00 – 12:20 | ☕ *Coffee Break*
- 12:20 – 12:50 | **Keynote Lecture 1: Dr. Anita Đonlić:** A Chemical Biology Toolkit to Understand and Target Biomolecular Condensates
- 12:50 – 13:20 | **Keynote Lecture 2: Dr. Milutin Smiljanić:** Understanding the Activity and Stability of Electrocatalytic Materials
- 13:20 – 13:50 | **Keynote Lecture 3: Dr. Demetrio Milea:** The “Pure Water” Model, a New/Old Approach for the Medium and Ionic Strength Dependence of Formation Constants
- 13:50 – 15:00 | *Lunch, 13th Floor, Red Lounge*
- 15:00 – 15:20 | **Dr. Jasmina Grbović-Novaković:** Hydrogen Storage in Metal Hydrides: Experimental Approach
- 15:20 – 15:40 | **Dr. David Holec:** Atomistic Simulations of Hydrogen Storage in Carbon-based Materials
- 15:40 – 16:00 | **Dr. Erna Karalija:** Plant’s Secret Life: Biochemistry Behind the Stress Memory
- 16:00 – 17:00 | *Poster Presentations 1, Gold Lounge*

Poster presentation 1: Analytical Chemistry, Environmental Chemistry, Inorganic Chemistry, Medicinal Chemistry, Biochemistry and Biotechnology

Saturday, 29 June 2024

08:30 – 09:00	☉ <i>Coffee</i>
09:00 – 09:50	Plenary Lecture 3: Dr. Sanja Grgurić-Šipka: Ruthenium Complexes as Antitumor Agents – Current Status and Perspective
09:55 – 10:25	Keynote Lecture 4: Dr. Sunčica Roca: Characterization of Silver(I) Complexes with Halo-Substituted Pyridine Derivatives in Solution and in the Solid State
10:25 – 10:55	Keynote Lecture 5: Dr. Maitham Abbas Ali Khajah: Anti-inflammatory Effects of Onion Bulb Extract in the Murine DSS-Colitis Model
11:00 – 11:20	☉ <i>Coffee Break</i>
11:20 – 11:40	Dr. Miha Lukšić: Hofmeister Effects on the Phase Stability of Aqueous BSA Solutions with Added PEG
11:40 – 12:00	Dr. Sandi Brudar: Experimental and Computational Studies of Liquid-Liquid Phase Separation of Some Globular Proteins
12:00 – 12:20	Dr. El-Hasim Ahemd: Onion Bulb Extract Inhibits Airway Inflammation in a Mouse Model of Allergic Asthma
12:20 – 13:20	<i>Poster Presentations 2, Gold Lounge</i>
13:20 – 14:20	<i>Lunch, 13th Floor, Red Lounge</i>
	<u>Students Oral Presentations:</u>
14:20 – 14:40	MSc. Laura Manin: Antioxidant Power of Tomato seeds Measured by ESR spectroscopy
14:40 – 15:00	MSc. Amin Sakić: Interplay between Alloying and Tramp Element Effects on Temper Embrittlement in bcc Iron: DFT and Thermodynamic Insights
15:00 – 15:20	MSc. Ana Maria-Blečić: Electron Spin Resonance Study of Pumpkin Seeds, Oil and Cake Antioxidant Power
15:20 – 15:40	MSc. Namir Halilović: Influence of TNT Melting Methods from Waste Munition on the Quality of Pink Wastewater
15:40 – 16:00	MSc. Emil Dino Fideršek: Comparison of the Extraction Methods for Iron Content Assay in St. John's Wort
20:00 – 01:00	<i>Closing Ceremony, Awards and Congress Dinner, 13th Floor, Red Lounge</i>

Poster presentation 2: Organic Chemistry, Chemistry of Natural Products, Chemistry of Advanced Materials, Physical and Theoretical Chemistry, Education in Chemistry, Topics Related to Chemistry, Radiochemistry

Sunday, 30 June 2024

09:00 – 16:00 | Field Trip: Visit Konjic (Tito's bunker), lunch