



**SERBIAN SOCIETY OF CORROSION AND MATERIALS PROTECTION**  
**UDRUŽENJE INŽENJERA SRBIJE ZA KORZIJU I ZAŠTITU MATERIJALA**



**INTERNATIONAL CONFERENCE**

**MEĐUNARODNA KONFERENCIJA**

**MEETING POINT OF THE SCIENCE AND PRACTICE IN THE FIELDS OF CORROSION,  
MATERIALS AND ENVIRONMENTAL PROTECTION**

**STECIŠTE NAUKE I PRAKSE U OBLASTIMA KOROZIJE, ZAŠTITE MATERIJALA  
I ŽIVOTNE SREDINE**

# PROGRAM

May 28-31, 2024, Divčibare, Serbia

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# PROGRAM

## TUESDAY | Utorak 28.05.2024.

10.00-20.00 Registration of the participants | *Registracija učesnika*

17.00-17.25 Opening ceremony | *Otvaranje Konferencije*

### Plenary lectures | *Plenarna predavanja*

17.25-18.00 **Plenary lecture: Srečko Stopić<sup>1</sup>, Nenad Nikolić<sup>2</sup>, Dragana Životić<sup>3</sup>, Jugoslav Krstić<sup>4</sup>, Milena Rosić<sup>5</sup>, Vladimir Damjanović<sup>6</sup>, Bernd Friedrich<sup>1</sup>, Hydrogen Metallurgy**, <sup>1</sup>IME Process Metallurgy and Metal Recycling/RWTH Aachen University, Aachen, Germany, <sup>2</sup>Institute for Multidisciplinary Research, University of Belgrade, Belgrade, Serbia, <sup>3</sup>Faculty of Mining and Geology, University of Belgrade, Belgrade, Serbia, <sup>4</sup>Institute of Chemistry, Technology and Metallurgy, Belgrade, Serbia, <sup>5</sup>“Vinča” Institute of Nuclear Sciences, Belgrade, Serbia, <sup>6</sup>Alumina d.o.o, Zvornik, Bosnia and Herzegovina

18.00-18.35 **Plenary lecture: Tea Zuliani<sup>1,2</sup>, Majda Nikezić<sup>1,2</sup>, Tjaša Žerdoner<sup>1,2</sup>, Stable non-traditional isotopes as tracers for the identification of contaminant sources**, <sup>1</sup>Jožef Stefan Institute, Department of Environmental Sciences, Ljubljana, Slovenia, <sup>2</sup>Jožef Stefan International Postgraduate School, Ljubljana, Slovenia

### Oral presentations | *Usmena saopštenja*

18.35-18.50 Prezentacija kompanije Jadran d.o.o., Beograd

18.50-19.05 Sherwin-Williams | Protective & Marine Coatings

19.05 Welcome Reception – COCKTAIL | KOKTEL

Detailed information about the Conference can be found at

Detaljnije informacije o Konferenciji mogu se naći na

<http://uiskozam.rs/yucorr/>

## WEDNESDAY | Sreda 29.05.2024.

### Plenary lectures | *Plenarna predavanja*

- 09.00-09.35 **Plenary lecture: Srecko Stopić, The European Circular Economy Approach – Contributions from carbonation of an olivine and industrial wastes under high pressure conditions in an autoclave**, IME Process Metallurgy and Metal Recycling/RWTH Aachen University, Aachen, Germany
- 09.35-10.10 **Plenary lecture: Larisa Ilijin, Insects as potential plastic waste bio-transformers**, Department of Insect physiology and Biochemistry, Institute for Biological Research "Siniša Stanković", National Institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia
- 10.10-10.25 **Coffee break | Kafe pauza**

### Invited lectures | *Predavanja po pozivu*

- 10.25-10.50 **Đendi Vaštag<sup>1,\*</sup>, Peter Majerič<sup>2,3</sup>, Vojkan Lazić<sup>4</sup>, Jovana Marković<sup>4</sup>, Rebeka Rudolf<sup>2,3</sup>, Monitoring of electrochemical behaviour of an Au-Ge alloy in an artificial sweat solution**, <sup>1</sup>University of Novi Sad, Faculty of Sciences, Novi Sad, Serbia, <sup>2</sup>University of Maribor, Faculty of Mechanical Engineering, Slovenia, <sup>3</sup>Zlatarna Celje d.o.o., Slovenia, <sup>4</sup>School of Dental Medicine, University of Belgrade, Serbia
- 10.50-11.15 **Snežana Aksentijević<sup>1</sup>, Nataša Ćirović<sup>1</sup>, Aleksandar Mičić<sup>1</sup>, Marija Mihailović<sup>2</sup>, Control of stationary gas emissions in the non-ferrous metals casting process**, <sup>1</sup>Western Serbia Academy of Applied Studies, Užice Department, Užice, Serbia, <sup>2</sup>Institute of Chemistry, Technology and Metallurgy, Department of Electrochemistry, Belgrade, Serbia

### Oral presentations | *Usmena saopštenja*

- 11.15-11.30 **Prezentacija kompanije ALFATERM d.o.o., Čačak**
- 11.30-11.40 **Prezentacija kompanije Firestop Internacional d.o.o., Nova Pazova**
- 11.40-11.55 **Prezentacija kompanije Jadran d.o.o., Beograd**
- 11.55-12.10 **Sherwin-Williams | Protective & Marine Coatings**
- 13.00 **PICNIC | RUČAK U PRIRODI**

18.00-20.00 POSTER SESSION | POSTER SEKCIJA

1. *Teodora Vidović<sup>1</sup>, Dina Tenji<sup>2</sup>, Tamara Ivetić<sup>3</sup>, Ivana Jagodić<sup>1</sup>, Jovana Cvetić<sup>1</sup>, Nemanja Banić<sup>1</sup>*, **Efficiency of methylene blue removal and hydrogen production using Au modified TiO<sub>2</sub> under simulated solar and UV radiation**, <sup>1</sup>University of Novi Sad, Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection, Novi Sad, Serbia, <sup>2</sup>University of Novi Sad, Faculty of Sciences, Department of Biology and Ecology, Laboratory for Ecophysiology and Ecotoxicology - LECOTOX, Novi Sad, Serbia, <sup>3</sup>University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, Serbia
2. *Nemanja Banić<sup>1</sup>, Ivana Jagodić<sup>1</sup>, Dina Tenji<sup>2</sup>, Teodora Vidović<sup>1</sup>*, **Removal of methylene blue from water using ZnO immobilized on glass spheres in an annular fixed bed photoreactor**, <sup>1</sup>University of Novi Sad, Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection, Novi Sad, Serbia, <sup>2</sup>University of Novi Sad, Faculty of Sciences, Department of Biology and Ecology, Laboratory for Ecophysiology and Ecotoxicology - LECOTOX, Novi Sad, Serbia
3. *Božidarka Arsenović*, **Development of alternative jet fuels from the aspect of reducing CO<sub>2</sub> emissions (fuels for the future) part 2, "ORAO" AD for production and repair of Bijeljina**, Republic of Serbia, Bosnia and Herzegovina
4. *Danijela Jovičić<sup>1</sup>, Zorica Ristić<sup>1</sup>, Bojana Lukić<sup>1</sup>, Stanko Spasojević<sup>1</sup>, Marija Mitrović<sup>2</sup>, Nebojša Vasiljević<sup>2</sup>, Milorad Tomić<sup>2,3</sup>*, **Characterization of coating Al applied by physical vapor phase (PVD) on nickel alloy**, <sup>1</sup>"ORAO" AD for production and repair of Bijeljina, Republic of Serbia, Bosnia and Herzegovina, <sup>2</sup>University of East Sarajevo, Faculty of Technology, Zvornik, Republic of Srpska, <sup>3</sup>Engineering academy of Serbia, Belgrade, Serbia
5. *D. Vuksanović, J. Šćepanović, D. Radonjić*, **Pollutants During Simultaneous Operation Of Plants For The Production Of Concrete-Concrete Base And Plants For The Production Of Asphalt-Asphalt Base**, University of Montenegro, Faculty of Metallurgy and Technology, Podgorica, Montenegro
6. *Dijana Aščerić<sup>1</sup>, Jelena Vulinović<sup>1</sup>, Slađana Petronić<sup>2</sup>*, **Ecological Characteristics of the Macrophytic Flora of Bardača Wetland**, <sup>1</sup>Faculty of Technology Zvornik, University of East Sarajevo, Zvornik, Bosnia and Herzegovina, <sup>2</sup>Faculty of Agriculture, University of East Sarajevo, East Sarajevo, Bosnia and Herzegovina

7. **Đenđi Vaštag**, *Suzana Apostolov, Gorana Mrđan, Borko Matijević*, **Selected thiazole derivative as copper corrosion inhibitor in acidic solution**, University of Novi Sad, Faculty of Sciences, Novi Sad, Serbia
8. **Dušica Jovanović<sup>1</sup>**, *Nina Finčur<sup>1</sup>, Sanja Panić<sup>2</sup>, Vesna Despotović<sup>1</sup>, Sabolč Bognar<sup>1</sup>, Daniela Šojić Merkulov<sup>1</sup>*, **Solar-Driven Photocatalytic Degradation of the Fluoroquinolone Antibiotic Ciprofloxacin Employing ZnO Nanoparticles Synthesized Using Green Tea Extract**, <sup>1</sup>University of Novi Sad Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection, Novi Sad, Serbia, <sup>2</sup>University of Novi Sad, Faculty of Technology, Novi Sad, Serbia
9. **Enisa Selimović<sup>1</sup>**, *Vladimir Panić<sup>1-3</sup>*, **Opportunities for the application of coordination compounds of cobalt for the synthesis of multivalent oxide (Co<sub>3</sub>O<sub>4</sub>)**, <sup>1</sup>State University in Novi Pazar, Department of Natural Sciences and Mathematics, Novi Pazar, Serbia, <sup>2</sup>Institute of Chemistry, Technology, and Metallurgy, National Institute of the Republic of Serbia, Department of Electrochemistry, University of Belgrade, Belgrade, Serbia, <sup>3</sup>ICTM Center of excellence for of environmental chemistry and engineering, University of Belgrade, Belgrade, Serbia
10. **Enisa Selimović<sup>1</sup>**, *Bojana Veljković<sup>1</sup>, Aleksandra Pavlović<sup>2</sup>, Emilija Pecev-Marinković<sup>2</sup>*, **Distribution of essential and potentially essential elements in wild fruit from the Pešter Plateau in the Republic of Serbia**, <sup>1</sup>State University in Novi Pazar, Department of Natural Sciences and Mathematics, Novi Pazar, Serbia, <sup>2</sup>Department of Chemistry, Faculty of Sciences and Mathematics, University of Niš, Niš, Serbia
11. **Snežana Joksić**, *Jovana Živić, Živče Šarkoćević, Marija Matejić*, **Corrosion of oil and gas pipelines with special reference to high-frequency welded pipes**, <sup>1</sup>University of Pristina with temporary settled in Kosovska Mitrovica, Faculty of Technical Science, Kosovska Mitrovica, Serbia
12. **Katarina Đ. Božić<sup>1</sup>**, *Miroslav M. Pavlović<sup>1</sup>, Đorđe N. Veljović<sup>2</sup>, Marijana R. Pantović Pavlović<sup>1</sup>*, **Biocompatibility Testing of Zein/Hydroxyapatite Composite Coatings on Titanium Substrate**, <sup>1</sup>Institute of Chemistry, Technology and Metallurgy, Department of Electrochemistry, Belgrade, Serbia, <sup>2</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia
13. **Vojo Jovanov<sup>1</sup>**, *Snežana Vučetić<sup>2</sup>, Biljana Angjusheva<sup>1</sup>, Jonjaua Ranogajec<sup>2</sup>, Emilija Fidanchevski<sup>1</sup>*, **Development of novel photocatalytic coating based on illite clay/TiO<sub>2</sub> composite**, <sup>1</sup>Ss. Cyril and Methodius, University in Skopje, Faculty of Technology and Metallurgy, Skopje, Republic of North Macedonia, <sup>2</sup>University of Novi Sad, Faculty of Technology, Novi Sad, Serbia

14. **Katarina R. Pantović Spajić<sup>1</sup>, Marijana R. Pantović Pavlović<sup>2</sup>, Srećko Stopić<sup>3</sup>, Đorđe V. Gjumišev<sup>2</sup>, Branislav Marković<sup>1</sup>, Miroslav M. Pavlović<sup>2</sup>, Ksenija Stojanović<sup>4</sup>, Comparative Study of Activation Energy and Desulfurization Efficiency of Coal in Graphite and Dimensionally Stable Anode (DSA) Electrodes**, <sup>1</sup>Institute for Technology of Nuclear and Other Mineral Raw Materials, Belgrade, Serbia, <sup>2</sup>University of Belgrade, Institute of Chemistry, Technology and Metallurgy, National Institute of Republic of Serbia, Belgrade, Serbia, <sup>3</sup>Process Metallurgy and Metal Recycling, RWTH Aachen University, Aachen, Germany, <sup>4</sup>University of Belgrade, Faculty of Chemistry, Belgrade, Serbia
15. **Marijana R. Pantović Pavlović<sup>1</sup>, Evelina A. Herendija<sup>2</sup>, Miloš M. Lazarević<sup>3</sup>, Nenad L. Ignjatović<sup>4</sup>, Miroslav M. Pavlović<sup>1</sup>, Efficacy of Novel Hybrid Coating on Titanium Substrates in Targeting Cancerous Cells**, <sup>1</sup>Institute of Chemistry, Technology and Metallurgy, Department of Electrochemistry, Belgrade, Serbia, <sup>2</sup>University of Belgrade, Multidisciplinary PhD Studies, Belgrade, Serbia, <sup>3</sup>School of Dental Medicine, University of Belgrade, Belgrade, Serbia, <sup>4</sup>Institute of Technical Science of the Serbian Academy of Sciences and Arts, Belgrade, Serbia
16. **Miroslav Pavlović<sup>1</sup>, Katarina Đ. Božić<sup>1</sup>, Srećko Stopić<sup>2</sup>, Alexander Birich<sup>2</sup>, Bernd Friedrich<sup>2</sup>, Marija M. Jonović<sup>3</sup>, Marijana R. Pantović Pavlović<sup>1</sup>, Innovative Multimetal Multivalent Oxides for Sustainable Energy Solutions: Emphasizing Oxygen Evolution Reactions**, <sup>1</sup>Institute of Chemistry, Technology and Metallurgy, Department of Electrochemistry, Belgrade, Serbia, <sup>2</sup>Process Metallurgy and Metal Recycling, RWTH Aachen University, Aachen, Germany, <sup>3</sup>Mining and Metallurgy Institute Bor, Bor, Serbia
17. **Bojana Radojković, Milica Košević, Marija Mihailović, Voltametric evaluation of essential oils antioxidative properties**, Department of Electrochemistry, Institute of Chemistry, Technology and Metallurgy, University of Belgrade, Belgrade, Serbia
18. **Sanja Stevanović<sup>1</sup>, Dragana Milošević<sup>1</sup>, Marija Pergal<sup>1</sup>, Ivan Pešić<sup>1</sup>, Dušan Tripković<sup>1</sup>, Lazar Rakočević<sup>2</sup>, Vesna Maksimović<sup>2</sup>, Microwave-assisted polyol synthesis of Pt/MXene catalyst for the methanol oxidation reaction**, <sup>1</sup>University of Belgrade - Institute of Chemistry, Technology and Metallurgy, Belgrade, Serbia, <sup>2</sup>University of Belgrade - Vinča Institute of Nuclear Sciences, Vinča-Belgrade, Serbia
19. **Nataša M. Petrović<sup>1</sup>, Nebojša D. Nikolić<sup>1</sup>, Vladimir D. Jović<sup>2</sup>, Tanja S. Barudžija<sup>3</sup>, Silvana Dimitrijević<sup>4</sup>, Jovan N. Jovićević<sup>1</sup>, Vesna S. Cvetković<sup>1</sup>, CuPd alloy formation by Cu electrodeposition from a deep eutectic solvent**, <sup>1</sup>Department of Electrochemistry, Institute of Chemistry,

Technology and Metallurgy, University of Belgrade, Belgrade, Serbia, <sup>2</sup>Institute for Multidisciplinary Research, University of Belgrade, Belgrade, Serbia, <sup>3</sup>Institute for Nuclear Sciences Vinča, University of Belgrade, Belgrade, Serbia, <sup>4</sup>Mining and Metallurgy Institute, Bor, Serbia

20. **Nebojša D. Nikolić<sup>1</sup>, Jelena D. Lović<sup>1</sup>, Nikola Vuković<sup>2</sup>, Sanja I. Stevanović<sup>1</sup>, Designing of the Shape of Zinc particles by Variation of Electrolysis Conditions,** <sup>1</sup>University of Belgrade, ICTM–Department of Electrochemistry, Belgrade, Serbia, <sup>2</sup>Institute for Technology of Nuclear and Other Mineral Raw Materials, Belgrade, Serbia
21. **Natalija Radulović<sup>1</sup>, Olga Kostić<sup>1</sup>, Olivera Košanin<sup>2</sup>, Dragana Pavlović<sup>1</sup>, Dimitrije Sekulić<sup>1</sup>, Milica Jonjev<sup>1</sup>, Miroslava Mitrović<sup>1</sup>, Pavle Pavlović<sup>1</sup>, Evaluation of the phytoremediation potential of *Tilia tomentosa* Moench. for Cu, Pb and Zn on green areas in Belgrade,** <sup>1</sup>Institute for Biological Research 'Siniša Stanković' - National Institute of the Republic of Serbia, University of Belgrade, Department of Ecology, Belgrade, Serbia, <sup>2</sup> Faculty of Forestry, University of Belgrade, Belgrade, Serbia
22. **Marija Matić, Dragana Pavlović, Veljko Perović, Olga Kostić, Snežana Jarić, Miroslava Mitrović, Pavle Pavlović, Assessment of As and Pb in *Solanum tuberosum* L. from urban areas of Belgrade and potential dietary health risk for the population,** Department of Ecology, Institute for Biological Research "Siniša Stanković", National Institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia
23. **Branimir Jugović<sup>1</sup>, Zorica Knežević-Jugović<sup>2</sup>, Milica Gvozdinović<sup>2</sup>, Estimation of enzyme affinity of chemically bonded Glucose Oxidase onto polyaniline-based enzyme electrode,** <sup>1</sup>Institute of Technical Science, SASA, Belgrade, Serbia, <sup>2</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia
24. **Milica Gvozdinović<sup>1</sup>, Tijana Kovač<sup>2</sup>, Branimir Jugović<sup>3</sup>, Bojan Jokić<sup>4</sup>, Enis Džunuzović<sup>1</sup>, Electrochemical polymerization of pyrrole on mild steel from p-toluensulfonic acid electrolyte,** <sup>1</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia, <sup>2</sup>Innovation Center of the Faculty of Technology and Metallurgy in Belgrade, Belgrade, Serbia, <sup>3</sup>Institute of Technical Science, SASA, Belgrade, Serbia, <sup>4</sup>Faculty of Applied Arts, University of Arts in Belgrade, Belgrade, Serbia
25. **Nebojša Vasiljević<sup>1</sup>, Marija Mitrović<sup>1</sup>, R.F. Godec<sup>2</sup>, Jovan Vujić<sup>3</sup>, Milorad Tomić<sup>1,4</sup>, Optimization of Process Parameters for Assessing the Inhibitory Potential of Dandelion Root Extract in NaCl Solution,** <sup>1</sup>University of East Sarajevo, Faculty of Technology, Zvornik, Republic of Srpska, <sup>2</sup>University of Maribor, Faculty of Chemistry and Chemical



Engineering, Slovenia, <sup>3</sup>Jugoinspekt Beograd a.d., Belgrade, Serbia, <sup>4</sup>Engineering academy of Serbia, Serbia

26. **Nenad M. Zarić<sup>1,2</sup>, Miloš Petrović<sup>3</sup>, Ratko Pavlović<sup>4</sup>, Recycling honey bee drone brood**, <sup>1</sup>University of Belgrade – Faculty of Biology, Belgrade, Serbia, <sup>2</sup>University of Natural Resources and Life Sciences (BOKU), Department of Agrobiotechnology (IFA-Tulln), Institute of Bioanalytics and Agro-Metabolomics, Tulln, Austria, <sup>3</sup>University of Novi Sad, Faculty of Agriculture, Novi Sad, Serbia, <sup>4</sup>University of Belgrade – Faculty of Chemistry, Department of Biochemistry, Belgrade, Serbia
27. **Nenad M. Zarić<sup>1,2</sup>, Monitoring of arsenic in the environment using honey bees**, <sup>1</sup>University of Belgrade – Faculty of Biology, Belgrade, Serbia, <sup>2</sup>University of Natural Resources and Life Sciences (BOKU), Department of Agrobiotechnology (IFA-Tulln), Institute of Bioanalytics and Agro-Metabolomics, Tulln, Austria
28. **Regina Fuchs–Godec<sup>1</sup>, Marija Riđošić<sup>2</sup>, Milorad. V. Tomić<sup>2</sup>, Improvement of the corrosion-inhibiting properties of the hydrophobic layer through the addition of eugenol**, <sup>1</sup>Faculty of Chemistry and Chemical Engineering, University of Maribor, Maribor, <sup>2</sup>Faculty of Technology Zvornik, University of Eastern Sarajevo, Republic of Srpska
29. **Maša Islamčević Razboršek<sup>1</sup>, Regina Fuchs-Godec<sup>1</sup>, Sabina Begić<sup>2</sup>, Examining the Potential of Deep Eutectic Solvents for Eco-Friendly Extraction of Bioactive Compounds from Peels of *Allium cepa* L.**, <sup>1</sup>University of Maribor, Faculty of Chemistry and Chemical Engineering, Maribor, Slovenia, <sup>2</sup>University of Sarajevo, Faculty of Science, Bosnia and Herzegovina
30. **Marija Mitrović<sup>1</sup>, Aleksandra Mijatović<sup>2</sup>, Anđela Simović<sup>3</sup>, Miroslav Pavlović<sup>3</sup>, Regina Fuchs Godec<sup>4</sup>, Milorad Tomić<sup>1,5</sup>, Miomir Pavlović<sup>1,5</sup>, Jelena Bajat<sup>2</sup>, Electrodeposition and characterization of smart selfhealing composite Zn-Co-RE coatings**, <sup>1</sup>University of East Sarajevo, Faculty of Technology, Zvornik, Republic of Srpska, <sup>2</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia, <sup>3</sup>Institute of Chemistry, Technology and Metallurgy, National Institute of the Republic of Serbia, <sup>4</sup>University of Maribor, Faculty of Chemistry and Chemical Engineering, Maribor, Slovenia, <sup>5</sup>Engineering academy of Serbia, Belgrade, Serbia
31. **Szabolcs Bognár<sup>1</sup>, Vesna Despotović<sup>1</sup>, Sanja Panić<sup>2</sup>, Nina Finčur<sup>1</sup>, Dušica Jovanović<sup>1</sup>, Predrag Putnik<sup>3</sup>, Daniela Šojić Merkulov<sup>1</sup>, Application of ZnO nanomaterials based on green tea leaf extract for enhanced photocatalytic degradation of tembotrione**, <sup>1</sup>University of Novi Sad Faculty of Sciences, Department of Chemistry, Biochemistry and

Environmental Protection, Novi Sad, Serbia, <sup>2</sup>University of Novi Sad, Faculty of Technology, Novi Sad, Serbia, <sup>3</sup>University North, Department of Food Technology, Koprivnica, Croatia

- 32. Slađana Laketić<sup>1</sup>, Bojan Međo<sup>2</sup>, Miloš Momčilović<sup>2</sup>, Jelena Bajat<sup>2</sup>, Đorđe Veljović<sup>2</sup>, Vesna Kojić<sup>3</sup>, Ivana Cvijović-Alagić<sup>1</sup>, Improvement of the  $\beta$ -Ti alloy properties in bio-environment,** <sup>1</sup>Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade, Serbia, <sup>2</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia, <sup>3</sup>Oncology Institute of Vojvodina, Sremska Kamenica, Serbia
- 33. Vesna Despotović<sup>1</sup>, Nataša Tot<sup>2</sup>, Nina Finčur<sup>1</sup>, Tamara Ivetić<sup>3</sup>, Sabolč Bognar<sup>1</sup>, Dušica Jovanović<sup>1</sup>, Daniela Šojić Merkulov<sup>1</sup>, Enhanced photocatalytic removal of fluroxypyr using newly synthesized green ZnO nanocomposites under simulated solar irradiation,** <sup>1</sup>University of Novi Sad Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection, Novi Sad, Serbia, <sup>2</sup>Technical College of Applied Sciences in Zrenjanin, Zrenjanin, Serbia, <sup>3</sup>University of Novi Sad Faculty of Sciences, Department of Physics, Novi Sad, Serbia

## THURSDAY | Četvrtak 30.05.2024.

**11.00-18.00 EXCURSION | IZLET – Registration on Conference desk is mandatory on the first day | Obavezna prijava na pultu za registraciju prvog dana**

**EXCURSION includes visiting: Ribnica Monastery, Mionica, Ribnička cave, Struganik, Visiting birth house of Živojin Mišić, Vrujci | IZLET uključuje posetu Manastiru Ribnica, Mionici, Ribničkoj pećini, Struganiku, Posetu kuće Živojina Mišića, Vrujci**

**20.30 GALA DINNER | SVEČANA VEČERA**

## FRIDAY | Petak 31.05.2024.

### Plenary lecture | *Plenarno predavanje*

**10.00-10.35** *Plenary lecture: Jelena Šćepanović, Analysis of the possibility of applying modern technology for mechanical plastic processing on the Montenegrin coast, University of Montenegro, Faculty of Metallurgy and Technology, Podgorica, Montenegro*

### Invited lectures | *Predavanje po pozivu*

**10.35-11.00** *Dragana Pavlović, Marija Matić, Veljko Perović, Snežana Jarić, Olga Kostić, Miroslava Mitrović, Pavle Pavlović, Levels of As and Pb in soil and Allium cepa L. and associated health risk in three Belgrade municipalities, Department of Ecology, Institute for Biological Research "Siniša Stanković"-National Institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia*

**11.00-11.25** *Željko Krivačević, Dejan Grgić, Saša Stojanović, Aleksandar Pešić, Drilling and equipping of new wells due to contamination of the near-well zone by various chemical and mechanical processes on existing wells, „Transnafta „ corp., Pančevo, Serbia*

**11.25-11.50** *Dragana L. Milošević<sup>1</sup>, Sanja I. Stevanović<sup>2</sup>, Dušan V. Tripković<sup>2</sup> Enhanced Pt@Ni catalysts obtained by galvanic displacement method for successful methanol electrooxidation, <sup>1</sup>University of Belgrade - Institute of Chemistry, Technology and Metallurgy - Department of Ecology and Techoeconomic, Belgrade, Republic of Serbia, <sup>2</sup>University of Belgrade - Institute of Chemistry, Technology and Metallurgy - Department of Electrochemistry, Belgrade, Republic of Serbia*

**11.50-12.00** **CLOSING CEREMONY | CEREMONIJA ZATVARANJA**

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**Serbian Society of Corrosion and Materials Protection**  
*UDRUŽENJE INŽENJERA SRBIJE ZA KOROZIJU I ZAŠTITU MATERIJALA*



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**Institute of Chemistry, Technology and Metallurgy, Belgrade**  
*INSTITUT ZA HEMIJU, TEHNOLOGIJU I METALURGIJU*



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**Institute of General and Physical Chemistry, Belgrade**  
*INSTITUT ZA OPŠTU I FIZIČKU HEMIJU*



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**Union of Engineers and Technicians of Serbia, Belgrade**  
*SAVEZ INŽENJERA I TEHNIČARA SRBIJE*



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**Engineering Academy of Serbia**  
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