



**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 16-19, 2022, Divčibare, Serbia

HELIOS SRBIJA a.d., Gornji Milanovac



METAL CINKARA d.o.o., Inđija



HEMIPRODUKT d.o.o., Novi Sad



# PROGRAM

## MONDAY | Ponedeljak 16.05.2022.

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

17.00-17.20 Opening ceremony | *Otvaranje Konferencije*

### Plenary lectures | *Plenarna predavanja*

17.20-17.55 **Plenary lecture: Branko Bugarski<sup>1,\*</sup>, Vesna Ilić<sup>2</sup>, Ivana Drvenica<sup>2</sup>, Stefan A. Bošković<sup>3</sup>, Radoslava Stojanović<sup>1</sup>, Obtaining the new substance from waste blood biohazard for the treatment of anemia in piglets**, <sup>1</sup>University of Belgrade, Faculty of Technology and Metallurgy, Belgrade, Serbia, <sup>2</sup>University of Belgrade, Institute for Medical Research, Belgrade, Serbia, <sup>3</sup>Innovation Center of the Faculty of Technology and Metallurgy in Belgrade Ltd., Belgrade, Serbia

17.55-18.30 **Plenary lecture: Ivana Mirkov<sup>\*</sup>, Aleksandra Popov Aleksandrov, Dina Tucović, Jelena Kulaš, Dušanka Popović, Anastasija Malešević, Milena Kataranovski, Immune System as a Target of Xenobiotics Toxicity** Immunotoxicology Group, Department of Ecology, Institute for Biological Research "Sinisa Stankovic" – National Institute of Republic of Serbia, University of Belgrade, Belgrade, Serbia

### Invited lecture | *Predavanje po pozivu*

18.30-18.55 **Dušan Milojkov<sup>1,\*</sup>, Vaso Manojlović<sup>2</sup>, Branislav Nastasijević<sup>3</sup>, Miroslav Sokić<sup>1</sup>, Chemocompatibility of fluorapatite-based antibacterial nanophosphorus prepared by precipitation method for biomedical applications**, <sup>1</sup>Institute for Technology of Nuclear and Other Mineral Raw Materials, Belgrade, Serbia, <sup>2</sup>Faculty of Technology and Metallurgy, University of Belgrade, Serbia, <sup>3</sup>Vinca Institute of Nuclear Science, University of Belgrade, Serbia

Detailed information about the Conference can be found at

Detaljnije informacije o Konferenciji mogu se naći na

<http://sitzam.org.rs/YUCORR/>

**Oral presentations | *Usmena saopštenja***

**18.55-19.10 Svetomir Hadži Jordanov, Dendrites – an oposite approach. Support, not prevent growth,** Faculty of Technology and Metallurgy, University UKIM Skopje, N. Macedonia

**19.10 Welcome Reception – COCKTAIL | KOKTEL**

**TUESDAY | Utorak 17.05.2022.**

**Plenary lectures | *Plenarna predavanja***

**09.00-09.35 Plenary lecture: Andrei Rotaru<sup>1-4\*</sup>, Jason A. McNulty<sup>3</sup>, Michael A. Carpenter<sup>4</sup>, Finlay D. Morrison<sup>3</sup>, Probing and Modelling the Relaxation Processes in "filled" and "empty" Lead-Free Electroceramic Materials,** <sup>1</sup>University of Craiova, Department of Biology and Environmental Engineering, Craiova, Romania, <sup>2</sup>Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy, Department of Chemical Thermodynamics, București, Romania, <sup>3</sup>University of St Andrews, School of Chemistry, St Andrews, United Kingdom, <sup>4</sup>University of Cambridge, Department of Earth Sciences, Cambridge, United Kingdom

**09.35-10.10 Plenary lecture: Filip Kokalj, Niko Samec, CFD analysis of Renewable Solid Fuel Combustion,** Faculty of Mechanical Engineering, University of Maribor, Maribor, Slovenia

**Invited lectures | *Predavanja po pozivu***

**10.10-10.35 Bojana Radojković<sup>1,\*</sup>, Dunja Marunkić<sup>1</sup>, Jovanka Pejić<sup>1</sup>, Milena Milošević<sup>1</sup>, Bore Jegdić<sup>1</sup>, Aleksandar Marinković<sup>2</sup> Ecologically friendly corrosion inhibitor for low alloy steels and aluminium alloys,** <sup>1</sup>University of Belgrade, Institute of Chemistry, Technology and Metallurgy, Belgrade, Republic of Serbia, <sup>2</sup>University of Belgrade, Faculty of Technology and Metallurgy, Belgrade, Republic of Serbia.

**10.35-11.00 Verica Ljubic<sup>1</sup>, Slobodan Cvetkovic<sup>1</sup>, Jovana Perendija<sup>1</sup>, Aleksandra Djukic-Vukovic<sup>2</sup>, Mina Popovic<sup>1\*</sup>, Extraction of novel exopolysaccharide as potential biosorbent for removal of Ni<sup>2+</sup> ions from contaminated water,** <sup>1</sup>University of Belgrade, Institute of Chemistry, Technology and Metallurgy, National

Institute of Republic of Serbia, Belgrade, Serbia, <sup>2</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia

**13.00 PICNIC | RUČAK U PRIRODI**

**Plenary lecture | Plenarno predavanje**

**17.00-17.35 Plenary lecture: Slobodan Cvetković, Mina Popović, Jovana Perendija, Consideration of Energy Flows in the Life Cycle of Energy Production from Biogas**, University of Belgrade, Institute of Chemistry, Technology and Metallurgy, National Institute of Republic of Serbia, Belgrade, Serbia

**Invited lecture | Predavanje po pozivu**

**17.35-18.00 Nataša M. Vukićević, Tailoring of MgO/Mg(OH)<sub>2</sub> structures by molten salt electrolysis**, University of Belgrade, Institute of Chemistry, Technology and Metallurgy, National Institute of Republic of Serbia, Belgrade, Serbia

**Oral presentations | Usmena saopštenja**

**18.00-18.15 Branko Matović, High-temperature resistance of SiC-HfC multilayered ceramics**, Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade, Serbia

**18.15-18.30 Gvozden Jovanović<sup>1,\*</sup>, Mladen Bugarčić<sup>1</sup>, Nela Petronijević<sup>1</sup>, Srećko Stopić<sup>2</sup>, Branislav Marković<sup>1</sup>, Srđan Stanković<sup>3</sup>, Bernd Friedrich<sup>2</sup>, Miroslav Sokić<sup>1</sup>, The effect ultrasound sonification on nitric acid leaching of pyrolyzed printed circuit board powder**, <sup>1</sup>Institute for Technology of Nuclear and other Mineral Raw Materials, Belgrade, Serbia, <sup>2</sup>IME Process Metallurgy and Metal Recycling, RWTH Aachen University, Aachen, Germany, <sup>3</sup>Federal Institute for Geosciences and Natural Resources, Hannover, Germany

**18.30-18.45 Prezentacija kompanije HELIOS SRBIJA A.D., Gornji Milanovac**

**WEDNESDAY | Sreda 18.05.2022.**

**Plenary lecture | Plenarno predavanje**

**10.00-10.35** *Plenary lecture: Đendi Vaštag, Traditional and new approaches in metal corrosion protection*, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

**Invited lecture | Predavanje po pozivu**

**10.35-11.00** *Ivana O. Mladenović\*, Nebojša D. Nikolić, Hardness and morphology analysis of electrolytically produced copper coatings*, Institute of Chemistry, Technology and Metallurgy, University of Belgrade, Belgrade, Serbia

**11.00-11.20** *Željko Krivačević, Dejan Grgić, Saša Stojanović, Aleksandar Pešić, Influence of internal corrosion of steel pipelines and replacement of old ones with new ones*, „Transnafta „ corp., Pančevo, Serbia

**Oral presentations | Usmena saopštenja**

**11.25-11.40** *Nikola Novaković<sup>1</sup>, Miloš Petrović<sup>1</sup>, Branimir Jugović<sup>2</sup>, Branimir Grgur<sup>1</sup>, Milica Gvozdenović<sup>1,\*</sup>, Electrical properties of electrochemically co-polymerized aniline and sulphanilic acid*, <sup>1</sup>University of Belgrade, Faculty of Technology and Metallurgy, Belgrade, Serbia, <sup>2</sup>Institute of Technical Sciences of SASA, Belgrade, Serbia

**11.40-11.55** **Prezentacija kompanije METAL CINKARA d.o.o., Indija**

**11.55-12.10** **Prezentacija kompanije HEMIPRODUKT d.o.o., Novi Sad**

**16.00-18.00** **POSTER SESSION | POSTER SEKCIJA**

- 1. Marijana R. Pantović Pavlović<sup>1,2,\*</sup>, Silvana Dimitrijević<sup>3</sup>, Nenad L. Ignjatović<sup>4</sup>, Vladimir V. Panić<sup>1,2,5</sup>, Miroslav M. Pavlović<sup>1,2</sup>, Novel calcium phosphate coatings with selenium on titanium**, <sup>1</sup>Institute of Chemistry, Technology and Metallurgy, National Institute of the Republic of Serbia, Department of Electrochemistry, University of Belgrade, Belgrade, Serbia, <sup>2</sup>Centre of Excellence in Environmental Chemistry and Engineering - ICTM, University of Belgrade, Belgrade, Serbia, <sup>3</sup>Mining and Metallurgy Institute Bor, Bor, Serbia, <sup>4</sup>Institute of Technical Science of the Serbian Academy of Sciences and Arts, Belgrade, Serbia, <sup>5</sup>State University of Novi Pazar, Department of Chemical-Technological Sciences, Novi Pazar, Serbia

2. **Katarina Božić<sup>1,2,\*</sup>, Miroslav M. Pavlović<sup>1,2</sup>, Stefan V. Panić<sup>1</sup>, Silvana Dimitrijević<sup>3</sup>, Đorđe Veljović<sup>4</sup>, Marijana R. Pantović Pavlović<sup>1,2</sup>, Optimization of hydrothermally obtained hydroxyapatite deposition process on titanium by novel *in situ* process**, <sup>1</sup>Institute of Chemistry, Technology and Metallurgy, National Institute of the Republic of Serbia, Department of Electrochemistry, University of Belgrade, Belgrade, Serbia, <sup>2</sup>Centre of Excellence in Environmental Chemistry and Engineering - ICTM, University of Belgrade, Belgrade, Serbia, <sup>3</sup>Mining and Metallurgy Institute Bor, Bor, Serbia, <sup>4</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia
3. **Stefan V. Panić<sup>1,\*</sup>, Marijana R. Pantović Pavlović<sup>1,2</sup>, Katarina Božić<sup>1,2</sup>, Miroslava Varničić<sup>1</sup>, Vojin M. Tadić<sup>3</sup>, Miroslav M. Pavlović<sup>1,2</sup>, Rare-earth / manganese oxide-based composites for oxygen reduction reaction**, <sup>1</sup>Institute of Chemistry, Technology and Metallurgy, National Institute of the Republic of Serbia, Department of Electrochemistry, University of Belgrade, Belgrade, Serbia, <sup>2</sup>Centre of Excellence in Environmental Chemistry and Engineering - ICTM, University of Belgrade, Belgrade, Serbia, <sup>3</sup>Mining and Metallurgy Institute Bor, Bor, Serbia
4. **Jovanka N. Pejić<sup>1</sup>, Bojana M. Radojković<sup>1</sup>, Anđela R. Simović<sup>2</sup>, Dunja D. Marunčić<sup>1</sup>, Bore V. Jegdić<sup>1</sup>, Jelena Bajat<sup>3</sup>, Miroslav M. Pavlović<sup>1,4</sup>, Green Corrosion Inhibitors with Cysteine and Cerium-Cysteine Complex of 7000 series Aluminum Alloy**, <sup>1</sup>University of Belgrade, Institute of Chemistry, Technology and Metallurgy, National Institute of Republic of Serbia, Njegoševa 12, Belgrade, Serbia, <sup>2</sup>Innovation Center, Faculty of Technology and Metallurgy, Belgrade, Serbia, <sup>3</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia, <sup>4</sup>Centre of Excellence in Environmental Chemistry and Engineering - ICTM, University of Belgrade, Belgrade, Serbia
5. **Jelena Šćepanović, Dragan Radonjić, Darko Vuksanović, Investigation of the Influence of Mg Content on Corrosion Behavior of Al Alloys of Al-Mg System**, University of Montenegro, Faculty of Metallurgy and Technology, Podgorica, Montenegro
6. **Darko Vuksanović, Dragan Radonjić, Jelena Šćepanović, Waste Tires in Podgorica, Resource or Waste That Endangers the Environment**, University of Montenegro, Faculty of Metallurgy and Technology, Podgorica, Montenegro
7. **Dragan Radonjić, Jelena Šćepanović, Darko Vuksanović, Use of Municipal Waste as a Resource**, University of Montenegro, Faculty of Metallurgy and Technology, Podgorica, Montenegro

8. **Regina Fuchs–Godec<sup>1</sup>, Marija Riđošić<sup>2</sup>, Milorad. V. Tomić<sup>2</sup>, Miomir G. Pavlović<sup>2</sup>, Rosa Canina (Rosehip) as a corrosion inhibitor in acidic media**, <sup>1</sup>Faculty of Chemistry and Chemical Engineering, University of Maribor, Maribor, Slovenia, <sup>2</sup>Faculty of Technology Zvornik, University of Eastern Sarajevo, Zvornik, Republic of Srpska
9. **Regina Fuchs–Godec, The application of thin films to prevent corrosion**, Faculty of Chemistry and Chemical Engineering, University of Maribor, Maribor, Slovenia
10. **Vesna Maksimović<sup>1,\*</sup>, Nebojša Nikolić<sup>2</sup>, Magnetic properties of electrodeposited Ni-Co powders**, <sup>1</sup>Institute of Nuclear Sciences “Vinča”, National Institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia, <sup>2</sup>University of Belgrade, Institute of Chemistry, Technology and Metallurgy, National Institute of Republic of Serbia, Belgrade, Serbia
11. **Vladimir Pavkov<sup>1</sup>, Gordana Bakić<sup>2</sup>, Vesna Maksimović<sup>1,\*</sup>, Ivana Cvijović-Alagić<sup>1</sup>, Branko Matović<sup>1</sup>, Physical and mechanical properties of glass-ceramic-metal composite materials after sintering**, <sup>1</sup>Institute of Nuclear Sciences “Vinča”, National Institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia, <sup>2</sup>Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia
12. **Ivana Cvijović-Alagić, Milan T. Jovanović, Titanium Aluminide Cyclic Oxidation Kinetics**, <sup>1</sup>Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade, Serbia
13. **Jelena Gojgić<sup>1</sup>, Miloš Petrović<sup>1</sup>, Branimir Jugović<sup>2</sup>, Branimir Grgur<sup>1</sup>, Bojan Jokić<sup>3</sup>, Milica Gvozdenović<sup>1,\*</sup>, Capacitive properties of electrochemically synthesized polyaniline on graphite electrode**, <sup>1</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia, <sup>2</sup>Institute of Technical science, SASA, Belgrade, Serbia, <sup>3</sup>Faculty of Applied Arts, University of Arts in Belgrade, Belgrade, Serbia
14. **Nataša M.Vukićević<sup>1,\*</sup>, Dominic Feldhaus<sup>2</sup>, Vesna S. Cvetković<sup>1</sup>, Bernd Friedrich<sup>2</sup>, Jovan N. Jovičević<sup>1</sup>, Electrochemical co-deposition of neodymium and praseodymium from oxyfluoride molten salts**, <sup>1</sup>Department of Electrochemistry, Institute of Chemistry, Technology and Metallurgy, University of Belgrade, Belgrade, Serbia, <sup>2</sup>IME Process Metallurgy and Metal Recycling, Institute of RWTH Aachen University, Aachen, Germany
15. **Nebojša D. Nikolić<sup>1,\*</sup>, Jelena D. Lović<sup>1</sup>, Vesna M. Maksimović<sup>2</sup>, Influence of Parameters and Regimes of the Electrodeposition on Morphology and Structure of Tin Dendrites**, <sup>1</sup>ICTM – Department of Electrochemistry,

University of Belgrade, Belgrade, Serbia, <sup>2</sup>Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade, Serbia

16. **Sanja Stevanović<sup>1,\*</sup>, Marijana Ponjavić<sup>1</sup>, Jasmina Nikodinović Runić<sup>2</sup>, Sanja Jeremić<sup>2</sup>, Vladan Ćosović<sup>1</sup>, Vesna Maksimović<sup>3</sup>, Platinum nanoparticles supported on bacterial nanocellulose for ethanol electrooxidation**, <sup>1</sup>University of Belgrade, Institute of Chemistry, Technology and Metallurgy, Belgrade, Serbia, <sup>2</sup>Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia, <sup>3</sup>University of Belgrade, Institute of Nuclear Sciences Vinča, Belgrade, Serbia
17. **Milica Košević<sup>1,\*</sup>, Marija Mihailović<sup>1</sup>, Srećko Stopić<sup>2</sup>, Bernd Friedrich<sup>2</sup>, Jasmina Stevanović<sup>1,3</sup>, Vladimir Panic<sup>1,3</sup>, Electrochemical impedance spectroscopy of oxygen evolution reaction in acidic conditions on Pt nanoparticles**, <sup>1</sup>University of Belgrade- Institute of Chemistry, Technology and Metallurgy – National Institute of the Republic of Serbia, Belgrade, Serbia, <sup>2</sup>IME Process Metallurgy and Metal Recycling, RWTH Aachen University, Aachen, Germany, <sup>3</sup>Centre of Excellence in Environmental Chemistry and Engineering—ICTM, University of Belgrade, Belgrade, Serbia
18. **Milica Košević<sup>1</sup>, Srećko Stopić<sup>2</sup>, Bernd Friedrich<sup>2</sup>, Vladimir Panic<sup>1,3</sup>, Jasmina Stevanović<sup>1,3</sup>, Sanja Krstić<sup>4</sup>, Marija Mihailović<sup>1,\*</sup>, Anodic Linear Sweep Voltammetric examination of deposits from ore leaching solutions containing Ni, Co and Fe ions**, <sup>1</sup>University of Belgrade- Institute of Chemistry, Technology and Metallurgy – National Institute of the Republic of Serbia, Belgrade, Serbia, <sup>2</sup>IME Process Metallurgy and Metal Recycling, RWTH Aachen University, Aachen, Germany, <sup>3</sup>Centre of Excellence in Environmental Chemistry and Engineering—ICTM, University of Belgrade, Belgrade, Serbia, <sup>4</sup>University of Belgrade, Institute of Nuclear Sciences “Vinča”, Laboratory for Materials Sciences, Belgrade, Serbia
19. **Bojan Jokić<sup>1,\*</sup>, Biljana Babić<sup>2</sup>, Synthesis of chromium-tin red glazes under oxidative conditions**, <sup>1</sup>Faculty of Applied Arts, University of Arts in Belgrade, Belgrade, Serbia, <sup>2</sup>Institute of Physics Belgrade, University of Belgrade, Belgrade, Serbia
20. **Bojan Jokić<sup>1,\*</sup>, Milica Gvozdrenović<sup>2</sup>, Marijana Jovanović<sup>2</sup>, Branimir Jugović<sup>3</sup>, Branimir Grgur<sup>2</sup>, Corrosion behavior of copper in 3 % NaCl with addition of cynarae extract**, <sup>1</sup>Faculty of Applied Arts, University of Arts in Belgrade, Belgrade, Serbia, <sup>2</sup>Faculty of Technology and Metallurgy, University of Belgrade, Belgrade, Serbia, <sup>3</sup>Institute of Technical science, SASA, Belgrade, Serbia

21. **Dejan Todorović\***, Vladimir Jovanović, Branislav Ivošević, Dragan Radulović, Sonja Milićević, **Investigation of the possibility the Pb-Zn slag from "Topionica" -Veles quality improving using magnetic separation**, Institute for Technology of Nuclear and Other Mineral Raw Materials, Belgrade, Serbia
22. Dragan Radulović, Vladimir Jovanović, **Dejan Todorović\***, Branislav Ivošević, Sonja Milićević, **Possibility of "Topionica" - Veles Pb-Zn slag valorization by gravity concentration procedure**, Institute for Technology of Nuclear and Other Mineral Raw Materials, Belgrade, Serbia
23. **Dragana Pavlović\***, Marija Matić, Olga Kostić, Dimitrije Sekulić, Natalija Radulović, Miroslava Mitrović, Pavle Pavlović, **Cu, Mn, Pb and Zn concentrations in bark of different tree species as indicator of atmospheric pollution**, Department of Ecology, Institute for Biological Research "Siniša Stanković", National Institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia
24. **Marija Matić\***, Dragana Pavlović, Veljko Perović, Milica Marković, Dimitrije Sekulić, Miroslava Mitrović, Pavle Pavlović, **Human health risk assessment of PTEs in soil originating from urban parks in Serbia**, Department of Ecology, Institute for Biological Research "Siniša Stanković", National Institute of the Republic of Serbia, University of Belgrade, Belgrade, Serbia
25. Marija Riđošić<sup>1</sup>, Regina Fuchs Godec<sup>2</sup>, **Milorad Tomić<sup>1,\*</sup>**, Miomir Pavlović<sup>1</sup>, **Thymus Serpillum and Origanum Minutiflorum as green corrosion inhibitors**, <sup>1</sup>University of East Sarajevo, Faculty of Technology, Zvornik, Republic of Srpska, <sup>2</sup>Faculty of Chemistry and Chemical Engineering, University of Maribor, Maribor, Slovenia
26. **Milorad Tomić<sup>1,\*</sup>**, Marija Riđošić<sup>1</sup>, Milena Milovanović<sup>2</sup>, Stana Stanišić<sup>3</sup>, Dubravka Banjac<sup>3</sup>, Dragan Tošković<sup>1</sup>, Vladan Mičić<sup>1</sup>, Miomir G. Pavlović<sup>1</sup>, **Determination of Corrosion Resistance of Aluminium after Anodization in Sulfuric Acid and Post-Processing**, <sup>1</sup>University of East Sarajevo, Faculty of Technology, Zvornik, Republic of Srpska, Bosnia and Herzegovina, <sup>2</sup>MINTH Group Serbia, Loznica, Serbia, <sup>3</sup>Orao a.d. Bijeljina, Bijeljina, Republika Srpska, Bosnia and Herzegovina
27. Marija Riđošić, **Milorad Tomić\***, **Carbon-based Polymer Nanocomposites as Indispensable Sensing Elements in Different Sensing Applications**, University of East Sarajevo, Faculty of Technology, Zvornik, Republic of Srpska
28. Zorica Ristić, Stana Stanišić, **Božidarka Arsenović**, **Testing of Chemical Composition of Materials Using a Portable Handmade Device for X-Ray**

- Fluorescent Analysis-XRF. Part I**, „Orao“ corp. for production and overhaul Bijeljina; Republic of Srpska; Bosnia and Herzegovina
29. **Božidarka Arsenović, Ecosystem Sustainability From the Aspect of the Role of Green and Blue Water**, „Orao“ corp. for production and overhaul Bijeljina; Republic of Srpska; Bosnia and Herzegovina
30. *Adina-Elena Neacsu, Robert-Alin Pelle, Catalin Maxim, Delia-Laura Popescu, Marius Andruh, Traian-Dinu Pasatoiu*, **New Heteropolynuclear Systems Obtained Using 3d-4f Nodes**, University of Bucharest, Faculty of Chemistry, Department of Inorganic Chemistry, Bucharest, Romania
31. *Traian-Dinu Pasatoiu, Augustin Madalan, Marius Andru*, **Luminescent Materials Based on 3d-4f Nodes**, University of Bucharest, Faculty of Chemistry, Department of Inorganic Chemistry, Bucharest, Romania
32. *Ljiljana Gulan<sup>1</sup>, Stanimirka Jovanović<sup>1</sup>, Marija Mitrović<sup>2,\*</sup>, Jelena M. Stajić<sup>3</sup>*, **Ash radioactivity level and ambient dose equivalent rate in the vicinity of the TPP „Kosovo B“ Obilić**, <sup>1</sup>University of Priština in Kosovska Mitrovica, Faculty of Sciences and Mathematics, Kosovska Mitrovica, Serbia, <sup>2</sup>School of Electrical and Computer Engineering, Belgrade, Serbia, <sup>3</sup>University of Kragujevac, Institute for Information Technologies, Department of Science, Kragujevac, Serbia
33. *Marija Mitrović<sup>1,\*</sup>, Aleksandra Lempić<sup>2</sup>, Ljiljana Gulan<sup>2</sup>*, **Radon concentration in dwellings in the mining area of “Trepča” complex**, <sup>1</sup>Academy of Tehnical and Art Applied Studie, School of Electrical and Computer Engineering, Belgrade, Serbia, <sup>2</sup>University of Priština in Kosovska Mitrovica, Faculty of Sciences and Mathematics, Kosovska Mitrovica, Serbia
34. *Stevo K. Jaćimovski<sup>1,\*</sup>, Jelena Lamovec<sup>1</sup>, Jovan P. Šetrajčić<sup>2,3</sup>*, **One - Dimensional Distribution of Air Pollution from Periodical Pointed Source**, <sup>1</sup>University of Criminalistics and Police Studies, Belgrade, Serbia, <sup>2</sup>University „Union – Nikola Tesla“, Faculty of Sport, Belgrade, Serbia, <sup>3</sup>Academy of Sciences and Arts of the Republic of Srpska, Banja Luka, Republic of Srpska, Bosnia and Herzegovina
35. *Nikola Kostić<sup>1</sup>, Živče Šarkoćević, Ivica Čamagić, Dragan Lazarević, Jasmina Dedić*, **Corrosion costs for oil and gas industry**, <sup>1</sup>University of Priština, Faculty of Technical Sciences, Kosovska Miktrovica, Serbia
36. *Vujadin Aleksić<sup>1,\*</sup>, Bojana Zečević<sup>2</sup>, Srđan Bulatović<sup>1</sup>, Ana Maksimović<sup>2</sup>, Ljubica Milović<sup>3</sup>*, **The role of drainage systems in the prevention of material degradation of bridge structures**, <sup>1</sup>Institute for Testing of Materials, Belgrade, Serbia, <sup>2</sup>Innovation Centre, Faculty of Technology and Metallurgy, Belgrade, Serbia, <sup>3</sup>University of Belgrade, Faculty of Technology and Metallurgy, Belgrade, Serbia

20.30 GALA DINNER with CLOSING CEREMONY | *SVEČANA VEČERA sa CEREMONIJOM ZATVARANJA*

**THURSDAY | Četvrtak 19.05.2022.**

10.00-14.00 EXCURSION | *IZLET* – Registration on Conference desk is mandatory on the first day | *Obavezna prijava na pultu za registraciju prvog dana*

14.00 LUNCH at Hotel Grand - Valjevo | *RUČAK u Hotelu Grand - Valjevo*

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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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*SAVEZ INŽENJERA I TEHNIČARA SRBIJE*



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**Engineering Academy of Serbia**  
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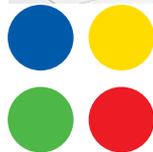
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