



University of Belgrade, Technical Faculty in Bor

EcoTER'22



29th International Conference Ecological Truth
& Environmental Research

21–24 June 2022, Hotel Sunce, Sokobanja, Serbia

Final program



The Conference is financially supported by
the Ministry of Education, Science and
Technological Development of the
Republic of Serbia

SCIENTIFIC COMMITTEE

- Prof. Dr Snežana Šerbula, *President*
- Prof. Dr Alok Mittal (India) Prof. Dr Yeomin Yoon (United States of America)
- Prof. Dr Jan Bogaert (Belgium) Prof. Dr Chang-min Park (South Korea)
- Prof. Dr Aleksandra Nadgórska-Socha (Poland) Prof. Dr Faramarz Doulati Ardejani (Iran)
- Prof. Dr Luis A. Cisternas (Chile) Prof. Dr Ladislav Lazić (Croatia)
- Prof. Dr Wenhong Fan (China) Prof. Dr Natalija Dolić (Croatia)
- Prof. Dr Martin Brtnický (Czech Republic) Prof. Dr Milutin Milosavljević (Kosovska Mitrovica)
- Prof. Dr Isabel Maria De Oliveira Abrantes (Portugal) Prof. Dr Nenad Stavretović (Serbia)
- Prof. Dr Shengguo Xue (China) Prof. Dr Ivan Mihajlović (Serbia)
- Prof. Dr Tomáš Lošák (Czech Republic) Prof. Dr Milovan Vuković (Serbia)
- Prof. Dr Maurice Millet (France) Prof. Dr Nada Blagojević (Montenegro)
- Prof. Dr Murray T. Brown (New Zealand) Prof. Dr Darko Vuksanović (Montenegro)
- Prof. Dr Xiaosan Luo (China) Prof. Dr Irena Nikolić (Montenegro)
- Prof. Dr Daniel J. Bain (United States of America) Prof. Dr Šefket Goletić (B&H)
- Prof. Dr Che Fauziah Binti Ishak (Malaysia) Prof. Dr Džafer Dautbegović (B&H)
- Prof. Dr Richard Thornton Baker (United Kingdom) Prof. Dr Borislav Malinović (B&H)
- Prof. Dr Mohamed Damak (Tunisia) Prof. Dr Slavica Sladojević (B&H)
- Prof. Dr Jyoti Mittal (India) Prof. Dr Nada Šumatić (B&H)
- Prof. Dr Miriam Balaban (United States of America) Prof. Dr Mirjana Rajčić-Vujanović (Serbia)
- Prof. Dr Fernando Carrillo-Navarrete (Spain) Prof. Dr Snežana Milić (Serbia)
- Prof. Dr Pablo L. Higuera (Spain) Prof. Dr Dejan Tanikić (Serbia)
- Prof. Dr Mustafa Cetin (Turkey) Prof. Dr Milan Trumić (Serbia)
- Prof. Dr Mauro Masiol (Italy) Dr Jasmina Stevanović (Serbia)
- Prof. Dr George Z. Kyzas (Greece) Dr Dragana Đorđević (Serbia)
- Prof. Dr Mustafa Imamoğlu (Turkey) Dr Jelena Milojković (Serbia)
- Prof. Dr Petr Solzhenkin (Russia)

ORGANIZING COMMITTEE

Prof. Dr Snežana Šerbula, *President*

Prof. Dr Snežana Milić, *Vice President*

Prof. Dr Đorđe Nikolić, *Vice President*

Prof. Dr Milica Veličković (Serbia)	Dr Jelena Milosavljević (Serbia)
Prof. Dr Danijela Voza (Serbia)	Dr Dragana Medić (Serbia)
Prof. Dr Maja Nujkić (Serbia)	Aleksandra Papludis, MSc (Serbia)
Dr Ana Simonović (Serbia)	Sonja Stanković, MSc (Serbia)
Dr Tanja Kalinović (Serbia)	Vladan Nedelkovski, MSc (Serbia)
Dr Ana Radojević (Serbia)	Mara Manzalović, English language teacher (Serbia)
Dr Žaklina Tasić (Serbia)	Enisa Nikolić, English language teacher (Serbia)
Dr Jelena Kalinović (Serbia)	

HONORARY COMMITTEE

Dr Petar Paunović, Zaječar (Serbia)

Prof. Dr Stevan Stanković, Bor (Serbia)

Prof. Dr Zvonimir Stanković, Bor (Serbia)

Prof. Dr Velizar Stanković, Bor (Serbia)

Dragan Randelović, Association of Young Researchers – Bor (Serbia)

Toplica Marjanović, Association of Young Researchers – Bor (Serbia)

Mihajlo Stanković, Special Nature Reservation of Zasavica, Sremska Mitrovica (Serbia)

**29th International Conference
Ecological Truth and Environmental Research 2022**



is organized by:

**UNIVERSITY OF BELGRADE
TECHNICAL FACULTY IN BOR (SERBIA)**

Co-organizers of the Conference:

**University of Banja Luka, Faculty of Technology
– Banja Luka (B&H)**

**University of Montenegro, Faculty of Metallurgy and
Technology – Podgorica (Montenegro)**

**University of Zagreb, Faculty of Metallurgy
– Sisak (Croatia)**

**University of Pristina, Faculty of Technical Sciences
– Kosovska Mitrovica**

Association of Young Researchers – Bor (Serbia)



**The Conference is financially supported by
the Ministry of Education, Science and Technological
Development of the Republic of Serbia**

Platinum Donor of the Conference



塞尔维亚紫金铜业有限公司
SERBIA ZIJIN COPPER DOO

FINAL PROGRAM

Tuesday, 21 June 2022

15:00 – 18:00 Participant Registration

Wednesday, 22 June 2022

09:00 – 18:00 Participant Registration

10:00 – 10:30 Conference Opening

10:30 – 10:50 Platinum Donor Presentation

10:50 – 12:00 Plenary Lectures I

1. Marija Petrović Mihajlović, Milan Antonijević (SERBIA)
“PURINES AS GREEN CORROSION INHIBITORS”

2. Aleksandar Marinković (SERBIA)
“GREEN ORGANIC CHEMISTRY: A FRAMEWORK FOR
SUSTAINABLE ENVIRONMENTAL PROTECTION”

12:00 – 12:30 Coctail Break

12:30 – 14:00 Oral Presentations I

14:00 – 16:00 Conference Lunch

16:00 – 17:00 Poster Presentations I

17:00 – 18:00 Poster Presentations II

17:00 – 18:00 STUDENT SECTION – Poster Presentations

Thursday, 23 June 2022

09:00 – 16:00 Participant Registration

10:00 – 11:00 Plenary Lectures II

**1. Hyusein Yemendzhiev, Y. Mersinkova, R. Koleva,
G. Peeva, V. Nenov (BULGARIA)**
“BIO-ELECTROCHEMICAL SYSTEMS – STATE OF
THE ART: BIOLOGY, ELECTROCHEMISTRY AND
APPLICATION IN WASTEWATER MANAGEMENT”

2. Milan Radovanović, Milan Antonijević (SERBIA)
“ENVIRONMENTALLY SAFE CORROSION
INHIBITORS: AMINO ACIDS”

11:00 – 11:30 Coffee Break

11:30 – 13:00 Oral Presentations II

13:00 – 15:00 Lunch Break

13:00 – 15:00 **Roundtable Session** on the topic “SUSTAINABLE DEVELOPMENT OF MINING AREAS” organized by the Association of Young Researchers – Bor

15:00 – 16:00 Poster Presentations III

Friday, 24 June 2022

Optional excursion

PLENARY LECTURES I

Wednesday, 22 June 2022 at 10:50 – 12:00, Conference Room

Chairpersons: Nada Štrbac, Milovan Vuković, Snežana Šerbula, Snežana Milić

1. **Marija Petrović Mihajlović, Milan Antonijević (SERBIA)**
PURINES AS GREEN CORROSION INHIBITORS

2. **Aleksandar Marinković (SERBIA)**
GREEN ORGANIC CHEMISTRY: A FRAMEWORK FOR SUSTAINABLE ENVIRONMENTAL PROTECTION

ORAL PRESENTATIONS I

Wednesday, 22 June 2022 at 12:30 – 14:00, Conference Room (+ Online presentations via ZOOM platform)

Chairpersons: *Dejan Tanikić, Branislava Matić, Milan Radovanović*

- 1. Đuro Čokeša, M. Marković, N. Potkonjak, B. Kaluderović, S. Radmanović, S. Šerbula (SERBIA)**
ARSENATE-SOIL HUMIC ACID BINDING BY ISOTHERMAL TITRATION CALORIMETRY: THERMODYNAMICS AND MNIS MODEL
- 2. Goran Milentijević, T. Marinković, M. Rančić, M. Milošević, I. Đuričković, A.D. Marinković, M.M. Milosavljević (SERBIA)**
OPTIMIZATION OF ZINC DIMETHYLDITHIOCARBAMATE SYNTHESIS PROCESS (ZIRAM)
- 3. Giorgia Santini, V. Memoli, L. Santorufò, G. Di Natale, G. Maisto (ITALIA)**
EFFECTS OF UN-BIODEGRADABLE AND BIODEGRADABLE PLASTIC SHEETS ON ABIOTIC SOIL PROPERTIES
- 4. Aurora Bakaj (Çizmja), M. Lika (Çekani) (ALBANIA)**
EVALUATION OF MICROBIAL ENVIRONMENT ON THE BEACH SAND
- 5. Ivana Bjedov, D. Obratov-Petković, V. Stojanović, M. Nešić, D. Marisavljević (SERBIA)**
INVASIVE ALIEN SPECIES IN SERBIA: LEGISLATION, STRATEGY, AND PLANS
- 6. Uroš Stamenković, S. Ivanov, I. Marković (SERBIA)**
CHARACTERIZATION OF CARBON AND LOW-ALLOY STEEL AFTER DIFFERENT HEAT TREATMENTS
- 7. Natalija Čutović, M. Vuksanović, M. Milošević, M. Bugarčić, J. Bošnjaković, J. Gržetić, A. Marinković (SERBIA)**
RECYCLED POLY(ETHYLENE TEREPHTHALATE) BASED- PLASTICIZER FOR PVC REGRANULATES PRODUCTION
- 8. Vanja Marković, K. Zorić, M. Ilić, S. Đuretanović, M. Smederevac-Lalić (SERBIA)**
STONE CRAYFISH *AUSTROPOTAMOBIVS TORRENTIUM* (Schrank, 1803) IN SOUTH-EASTERN SERBIA: CHILDREN KNOWLEDGE SURVEY
- 9. Vanja Marković, M. Božanić, O. Arapović, V. Gojšina, A. Tatović, K. Stojanović (SERBIA, BOSNIA AND HERZEGOVINA)**
AQUATIC INSECTS DIVERSITY IN THE PART OF NERETVA RIVER DRAINAGE (BOSNIA AND HERZEGOVINA): PRELIMINARY RESULTS
- 10. Violeta Babić, B. Kanjevac, M. Milenković, S. Stajić, M. Vukin, N. Stavretović, M. Račić (SERBIA)**
CHARACTERISTICS OF WINTER TEMPERATURE REGIME IN SPRUCE FOREST ON KOPAONIK
- 11. Violeta Babić, M. Milenković, Z. Govedar, S. Stajić, B. Kanjevac (SERBIA, BOSNIA AND HERZEGOVINA)**
THE FOREST FIRES IN BULGARIA: THE TRENDS AND THE INFLUENCE OF TELECONNECTIONS

ORAL PRESENTATIONS I – *continued*

Wednesday, 22 June 2022 at 12:30 – 14:00, Conference Room (+ Online presentations via ZOOM platform)

- 12. Marijana Pantić, T. Maričić, S. Milijić (SERBIA)**
CITIZEN PARTICIPATION OFFERS LESSONS TO CLIMATE CHANGE MANAGEMENT
- 13. Marijola Božović, M. Petković, S. Marković, B. Stojčetočić (SERBIA)**
DISASTER RISK MANAGEMENT FRAMEWORK
- 14. Senad Čeragić, H. Husić, V. Aganović (BOSNIA AND HERZEGOVINA)**
INFLUENCE OF UNDERGROUND MINING WORKS OF THE OMAZIĆI BROWN COAL MINE BANOVIĆI ON THE SURFACE TERRAIN

POSTER PRESENTATIONS I

Wednesday, 22 June 2022 at 16:00 – 17:00, Conference Room

Chairpersons: *Milica Veličković, Ana Čučulović, Dejan Riznić*

- 1. Ana Čučulović, J. Stanojković, R. Čučulović, S. Nestorović, N. Radaković (SERBIA)**
THE DISTRIBUTION OF THE MASS CONCENTRATIONS OF K, Th AND U IN THE SOILS OF THE TEKIJIA REGION, THE NP ĐERDAP
- 2. Jovana Bošnjaković, M. Bugarčić, M. Milošević, N. Prlainović, R. Salih, P. Batinić, A. Popović, M. Đolić (SERBIA)**
APPLICATION OF NANO- MnO₂ MODIFIED LIGNIN – BASED ADSORBENT FOR REMOVAL OF DICHROMATE IONS AND DICLOFENAC FROM WATER
- 3. Nataša Knežević, A. Jovanović, R. Salih, Z. Veličković, A. Popović, P. Batinić, A. Marinković, J. Gržetić (SERBIA)**
MODIFIED LIGNIN-BASED MICROSPHERES AS A GREEN SORBENT FOR THE REMOVAL OF CHROMIUM IONS
- 4. Robert Vigi, G. Štrbac, D. Štrbac, M. Novaković (SERBIA)**
SYNTHESIS OF NEW Ag DOPED CHALCOGENIDE GLASS FOR APPLICATION IN ENERGY CONVERSION AND MEMORY STORAGE
- 5. Aleksandra Papludis, S. Alagić, S. Milić, I. Zlatanović, M. Filipović, J. Nikolić, V. Stankov Jovanović (SERBIA)**
THE CONTENT OF DANGEROUS CONTAMINANTS PAH_s IN THE SOIL AND ROOTS OF *HEDERA HELIX* IN SLATINA (BOR'S MUNICIPALITY)
- 6. Isidora Berezni, T. Marinković, V. Bežanović, M. Živančev, B. Batinić (SERBIA)**
ANALYSIS OF HOUSEHOLD'S E-WASTE AWARENESS, AND DISPOSAL BEHAVIOR IN NOVI SAD
- 7. Maja Nujkić, V. Stiklić, Ž. Tasić, S. Milić, D. Medić, A. Papludis, I. Đorđević (SERBIA)**
BIOSORPTION OF METAL IONS FROM SYNTHETIC SOLUTIONS USING DIFFERENT PARTS OF PLANT MATERIAL – A REVIEW
- 8. Nevena Ristić, M. Veličković, D. Voza (SERBIA)**
THE ASSOCIATION BETWEEN SHORT-TERM EXPOSURE TO SO₂ AND EMERGENCY ROOM ADMISSIONS IN URBAN AREA. CASE STUDY SERBIA
- 9. Dragana Pavlović, D. Čakmak, V. Perović, M. Matić, M. Marković, M. Mitrović, P. Pavlović (SERBIA)**
ENVIRONMENTAL RISK ASSESSMENT OF PTES IN AGRICULTURAL SOILS AFFECTED BY INDUSTRIAL ACTIVITIES IN BELGRADE
- 10. Aleksandra Radić, D. Voza, Đ. Nikolić, M. Vuković (SERBIA)**
ENVIRONMENTAL PERFORMANCE CLASSIFICATION OF BALKAN COUNTRIES BASED ON TOPSIS-SORT METHODOLOGY
- 11. Olga Kostić, G. Gajić, S. Jarić, Z. Mataruga, D. Sekulić, N. Radulović, M. Mitrović, P. Pavlović (SERBIA)**
ANALYSIS OF As AND Pb ACCUMULATION IN GARDEN SOIL AND VEGETABLE CROPS IN THREE BELGRADE MUNICIPALITIES

POSTER PRESENTATIONS I – *continued*

Wednesday, 22 June 2022 at 16:00 – 17:00, Conference Room

12. **Branislava Savić, D. Aćimović, T. Brdarić, M. Ognjanović, D. Vasić Aničijević, M. Ječmenica Dučić, M. Simić (SERBIA)**
TESTING THE ELECTROCHEMICAL BEHAVIOR OF BPA ON GC, WO₃ AND MWCNT ELECTRODES
13. **Marija Ječmenica Dučić, D. Vasić Aničijević, B. Savić, D. Aćimović, M. Simić, D. Maksin, T. Brdarić (SERBIA)**
NEW STRATEGIES FOR DEVELOPMENT OF HIGHLY SELECTIVE MATERIALS FOR CARBON DIOXIDE CAPTURE
14. **Tanja Brdarić, D. Aćimović, B. Savić, N. Abazović, M. Čomor, M. Ječmenica Dučić, D. Maksin (SERBIA)**
INVESTIGATION OF ZrO₂ AND ZrO₂/TiO₂ ELECTRODES BY CYCLIC VOLTAMMETRY
15. **Miljan Marković, M. Gorgievski, N. Štrbac, K. Božinović, V. Grekulović, A. Mitovski, M. Zdravković (SERBIA)**
ADSORPTION ISOTHERMS FOR COPPER IONS BIOSORPTION ONTO WALNUT SHELLS
16. **Ana Simonović, Ž. Tasić, M. Radovanović, M. Petrović Mihajlović, M. Antonijević (SERBIA)**
CAFFEINE AS A GREEN CORROSION INHIBITOR FOR COPPER IN SYNTHETIC BLOOD PLASMA SOLUTION
17. **Andela Stojić, D. Tanikić (SERBIA)**
APPLICATION OF GREEN AREAS AND GREEN ROOFS IN URBAN AREAS
18. **Dragana Medić, S. Milić, S. Alagić, M. Nujkić, A. Papludis, S. Đordievski, S. Dimitrijević (SERBIA)**
RECYCLING GOLD FROM WASTE PRINTED CIRCUIT BOARDS
19. **Martina Petković, M. Božović, A. Klikovac, D. Knežević (SERBIA, BOSNIA AND HERZEGOVINA)**
THE IMPORTANCE OF FIRE PROTECTION ON SHIPS
20. **Aleksandar Savić, I. Jelić, M. Šljivić-Ivanović, S. Dimović (SERBIA)**
RECYCLED CONCRETE AGGREGATE EFFECT ON SELF-COMPACTING CONCRETE AT LOW TEMPERATURES

POSTER PRESENTATIONS II

Thursday, 22 June 2022 at 17:00 – 18:00, Conference Room

Chairpersons: Danijela Voza, Branislava Savić, Uroš Stamenković

- 1. Vanja Trifunović, S. Milić, Lj. Avramović, R. Jonović, S. Đordiević (SERBIA)**
ELECTRIC ARC FURNACE DUST – HAZARDOUS INDUSTRIAL WASTE WHOSE TREATMENT IS UNAVOIDABLE
- 2. Nebojša Potkonjak, Đ. Čokeša, M. Marković (SERBIA)**
THE HYDROGEN PRODUCTION ON Ni ELECTRODE CO-DEPOSITED WITH $\text{Co}+\text{V}_2\text{O}_5$: THE ELECTROCALYTIC SYNERGETIC EFFECT
- 3. Dejan Riznić, A. Fedajev, A. Jevtić (SERBIA)**
ECOTURISM AS A FORM OF GREEN ECONOMY
- 4. Tatjana Miljočić, I. Jelić, M. Šljivić-Ivanović, S. Dimović, U. Ramadani (SERBIA)**
SUSTAINABLE UTILIZATION OF CATHODE-RAY TUBE WASTE GLASS IN CEMENTITIOUS MATERIALS – A REVIEW
- 5. Ivana Perović, S. Brković, N. Zdolšek, G. Tasić, M. Seović, S. Mitrović, J. Ciganović (SERBIA)**
CAN LASER MODIFICATION OF COATED ELECTRODES IMPROVE THE HYDROGEN EVOLUTION REACTION IN ALKALINE ELECTROLYSERS?
- 6. Nikola Zdolšek, S. Brković, I. Perović, M. Ćurčić, S. Dimović, M. Vujković (SERBIA)**
NEW GENERATION OF ELECTROCHEMICAL SUPERCAPACITORS
- 7. Darko Stojićević, Z. Živković, M. Saulić, T. Sekulić, V. Stupar (SERBIA)**
PESTICIDES – IMPACT ON HUMAN HEALTH AND THE ENVIRONMENT
- 8. Vladan Nedelkovski, S. Stanković, M. Radovanović, M. Antonijević (SERBIA)**
SYNTHESIS AND CHARACTERISATION OF $\text{Ti}/\text{SnO}_2\text{-Sb}$ -TYPE DSA ANODES FOR WASTEWATER TREATMENT
- 9. Marija Perkunić, S. Vukić, Z. Živković, V. Stupar, M. Saulić (SERBIA)**
GREEN OASIS EFFECT ON URBAN ENVIRONMENT
- 10. Jelena Mitrović, M. Radović Vučić, N. Velinov, S. Najdanović, M. Kostić, M. Petrović, A. Bojić (SERBIA)**
THE ROLE OF HYDROXYL AND SULFATE RADICALS IN THE UV ACTIVATED PERSULFATE DEGRADATION OF TEXTILE DYE RO16
- 11. Milica Petrović, T. Jovanović, S. Rančev, M. Radović Vučić, J. Mitrović, S. Najdanović, A. Bojić (SERBIA)**
ELECTROSYNTHESIZED CERIUM OXIDE CATALYST FOR ATMOSPHERIC PRESSURE PULSATING CORONA PLASMA DEGRADATION OF RB 5
- 12. Slobodan Najdanović, M. Petrović, M. Kostić, N. Velinov, J. Mitrović, D. Bojić, A. Bojić (SERBIA)**
PHOTOCATALYTIC DEGRADATION OF RANITIDINE BY BISMUTH OXO CITRATE

POSTER PRESENTATIONS II – *continued*

Thursday, 22 June 2022 at 17:00 – 18:00, Conference Room

13. **Tatjana Anđelković, K. Kitanović, I. Kostić Kokić, B. Zlatković, D. Bogdanović (SERBIA)**
CHANGES IN NITRATE AND NITRITE CONTENT IN FOR LETTUCE, CHARD AND SPINACH AFTER FREEZING
14. **Tatjana Anđelković, I. Kostić Kokić, B. Zlatković, D. Anđelković (SERBIA)**
Cu(II) ACCUMULATION POTENTIAL OF AQUATIC MACROPHYTE *PISTIA STRATIOTES*
15. **Tatjana Anđelković, D. Bogdanović, I. Kostić Kokić, H. Kocić, G. Kocić (SERBIA)**
PHTHALATES MIGRATION FROM ABSORBABLE SURGICAL SUTURES INTO MODEL SOLUTION
16. **Snežana Šerbula, J. Milosavljević, T. Kalinović, A. Radojević, J. Kalinović (SERBIA)**
ARSENIC IN PARTICULATE MATTER ORIGINATED FROM MINING-METALLURGICAL PROCESSES
17. **Jelena Milosavljević, S. Šerbula, A. Radojević, T. Kalinović, J. Kalinović, B. Spalović (SERBIA)**
TOXIC METALS BIOACCUMULATION IN *Plantago lanceolata* FROM ANTHROPOGENICALLY DISRUPTED AREA
18. **Tanja Kalinović, J. Kalinović, S. Šerbula, J. Milosavljević, A. Radojević (SERBIA)**
DETECTION OF THE TRAFFIC-RELATED POLLUTION BY THE ROADSIDE SOIL AND PLANT MATERIAL
19. **Ana Radojević, J. Milosavljević, T. Kalinović, J. Kalinović, S. Šerbula (SERBIA)**
THE IMPACT OF TEXTILE AND CLOTHES PRODUCTION ON THE ENVIRONMENT – PART I: ENVIRONMENTAL ISSUES
20. **Ana Radojević, J. Milosavljević, T. Kalinović, J. Kalinović, S. Šerbula (SERBIA)**
THE IMPACT OF TEXTILE AND CLOTHES PRODUCTION ON THE ENVIRONMENT – PART II: WHAT CAN WE DO?

PLENARY LECTURES II

Thursday, 23 June 2022 at 10:00 – 11:00, Conference Room

Chairpersons: Đorđe Nikolić, Ana Simonović, Aleksandar Marinković

1. **Hyusein Yemendzhiev, Y. Mersinkova, R. Koleva, G. Peeva, V. Nenov (BULGARIA)**
BIO-ELECTROCHEMICAL SYSTEMS – STATE OF THE ART: BIOLOGY, ELECTROCHEMISTRY AND APPLICATION IN WASTEWATER MANAGEMENT
2. **Milan Radovanović, Milan Antonijević (SERBIA)**
ENVIRONMENTALLY SAFE CORROSION INHIBITORS: AMINO ACIDS

ORAL PRESENTATIONS II

Thursday, 23 June 2022 at 11:30 – 13:00, Conference Room

Chairpersons: Mirjana Marković, Marija Petrović Mihajlović, Dragana Randelović

- 1. Branislava Matić, S. Živković Perišić, D. Jovanović, S. Dejanović, D. Miljuš, L. Kukobat (SERBIA)**
MAPPING HEALTH RISKS OF CRITERIA CHEMICAL(S) TO DEMONSTRATE BENEFITS OF RISK ASSESSMENT FOR DECISION-MAKERS
- 2. Sanja Mrazovac Kurilić, A. Čirišan, Z. Podrašćanin, Lj. Nikolić Bujanović (SERBIA)**
SO₂ POLLUTION IN ŠABAC (2009–2020)
- 3. Dragana Randelović, R. Pantović (SERBIA)**
IMPACT OF THE MINING ACTIVITIES IN THE GOLJA NATURE PARK AREAS SITUATED ON THE TERRITORY OF RAŠKA MUNICIPALITY
- 4. Ivana Mikavica, D. Randelović, J. Stojanović, J. Mutić (SERBIA)**
MICROPLASTIC OCCURRENCE IN URBAN AND SUBURBAN SOILS OF BOR, EASTERN SERBIA
- 5. Aleksandar Jovanović, N. Knežević, N. Čutović, M. Đolić, N. Prlainović, Z. Veličković, M. Vuksanović (SERBIA)**
IMPROVED TECHNOLOGY FOR PRODUCTION OF PE AND PP REGRANULATES
- 6. Stanković Mihajlo (SERBIA)**
Annex 2: FAUNA OF MACROCRUSTACEA (INVERTEBRATA-ARTHROPODA) IN PERMANENT AND EPHEMERAL WATERS OF ZASAVICA WETLAND (SPECIAL NATURE RESERVES)
- 7. Stanković Mihajlo (SERBIA)**
OVERVIEW OF GALIS FAUNA (DIPTERA, HOMOPTER AND HYMENOPTER) ZASAVICA RESERVE
- 8. Maja Radić, M. Avdagić, B. Markovic, K. Ademović, S. Avdagić, S. Avdagić (SERBIA, BOSNIA AND HERZEGOVINA)**
ECOLOGICAL ETHICS AND ECOLOGICAL EDUCATION
- 9. Maja Radić, M. Avdagić, B. Markovic, K. Ademović, S. Avdagić, S. Avdagić (SERBIA, BOSNIA AND HERZEGOVINA)**
PROTECTION AND PRESERVATION OF NATURAL RESOURCES
- 10. Milica Rajačić, D. Todorović, J. Krneta Nikolić, I. Vukanac, N. Sarap, M. Janković (SERBIA)**
RADIONUCLIDE CONTENT IN SAMPLES OF BERRIES
- 11. Miloš Prokopijević, D. Spasojević, O. Prodanović, N. Pantić, D. Bartolić, K. Radotić, R. Prodanović (SERBIA)**
STABILITY OF SOYBEAN PEROXIDASE IMMOBILIZED ONTO HYDROGEL MICRO-BEADS FROM TYRAMINE-PECTIN

ORAL PRESENTATIONS II – *continued*

Thursday, 23 June 2022 at 11:30 – 13:00, Conference Room

12. **Nevena Pantić, M. Spasojević, M. Prokopijević, D. Spasojević, A.M. Balaž, R. Prodanović, O. Prodanović (SERBIA)**
COVALENT IMMOBILIZATION OF HORSERADISH PEROXIDASE ON NOVEL MACROPOROUS POLY(GMA-CO-EGDMA) FOR PHENOL REMOVAL
13. **Dragica Spasojević, M. Prokopijević, O. Prodanović, N. Pantić, M. Stanković, K. Radotić, R. Prodanović (SERBIA)**
PREPARATION OF CROSSLINKED TYRAMINE-ALGINATE HYDROGEL USING EDC/NHS WITH SELF-IMMOBILIZED HRP
14. **Jasmina Dedić, M. Mojsić, D. Lazarević, B. Stojčević, Ž. Šarkočević (SERBIA)**
A SHORT REVIEW OF TREPČA MINING WASTE IMPACT ON ENVIRONMENT

POSTER PRESENTATIONS III

Thursday, 23 June 2022 at 15:00 – 16:00, Conference Room

Chairpersons: *Ivana Bjedov, Ana Radojević, Tanja Kalinović*

- 1. Jelena Majstorovic, M. Korac, S. Savkovic (SERBIA, MONTENEGRO)**
THE EFFECTS OF GEOMECHANICAL RESEARCH “IN SITU” ON THE EXPLOITATION CONDITIONS OF THE OPEN PIT BAUXITE MINE “ZAGRAD”
- 2. Gordana Šekularac, T. Ratknić, M. Aksić, N. Gudžić, M. Vranešević, M. Ratknić (SERBIA)**
SOIL EROSION ASSESSMENT USING EPM: A CASE STUDY IN THE CATCHMENT AREA OF THE TURKISH BROOK, WESTERN SERBIA
- 3. Tatjana Ratknić, G. Šekularac, M. Ratknić, Z. Poduška, M. Aksić (SERBIA)**
EFFECTS OF CLIMATE CHARACTERISTICS ON THE DIAMETER INCREMENT OF CEDAR IN THE CITY OF BELGRADE (SERBIA)
- 4. Miljan Bigović, D. Đurović, I. Nikolić, Lj. Ivanović, B. Bajić (MONTENEGRO)**
CHARACTERISTIC, SOURCE AND ECOLOGICAL RISK OF PAHs IN AGRICULTURAL SOILS PLJEVLJA MUNICIPALITY (MONTENEGRO)
- 5. Jelena Vranković, K. Jovičić, V. Đikanović (SERBIA)**
EFFECT OF DIFFERENT ENVIRONMENTAL CONDITIONS ON LIPID PEROXIDATION LEVEL IN *Rutilus rutilus* (ACTINOPTERYGII: CYPRINIDAE)
- 6. Vesna Đikanović, J. Vranković, K. Jovičić (SERBIA)**
DIET OF TWO CYPRINID SPECIES, WHITE BREAM (BLICCA BJOERKNA) AND COMMON ROACH (RUTILUS RUTILUS) IN THE DANUBE RIVER, BELGRADE
- 7. Bojana Tubić, K. Zorić, N. Popović, M. Raković, N. Marinković, M. Paunović (SERBIA)**
INDICATIVE ECOLOGICAL STATUS ASSESSMENT OF SELECTED STREAMS ON ROGOZNA MOUNTAIN BASED ON AQUATIC MACROINVERTEBRATES
- 8. Božica Vasiljević, J. Tomović, A. Atanacković, R. Petrović (SERBIA)**
INDICATIVE ECOLOGICAL STATUS ASSESSMENT BASED ON EPILITHIC DIATOMS OF SMALL RIVERS AT ROGOZNA MOUNTAIN
- 9. Mirjana Ocololjić, Dj. Petrov, N. Galečić, M. Miodrag (SERBIA)**
ECOLOGICAL AND AESTHETIC CHARACTERISTICS OF TREES IN “BELGRADE WATERFRONT” PARKING LOTS
- 10. Mirjana Ocololjić, Dj. Petrov, A. Tutundžić, D. Skočajić, S. Petrović (SERBIA)**
STATE, FUNCTIONS AND PERSPECTIVES OF DENDROFLORA IN THE SCHOOLYARD OF THE MEDICAL SCHOOL IN BELGRADE
- 11. Mirjana Ocololjić, Dj. Petrov (SERBIA)**
TRACHYCARPUS FORTUNEI (HOOK.) H. WENDL. IN THE CONDITIONS OF CHANGED TEMPERATE CONTINENTAL CLIMATE IN BELGRADE
- 12. Zlata Živković, M. Saulić, D. Stojčević, M. Jevtić Đorović, V. Stupar (SERBIA)**
ORGANIC AGRICULTURE: POTENTIAL OF THE FUTURE
- 13. Nataša Đorđević, S. Mihajlović (SERBIA)**
ANALYSIS OF CHANGES OF MECHANICALLY ACTIVATED SODIUM CARBONATE SAMPLE

**4th Student Section of the 29th International Conference
Ecological Truth and Environmental Research 2022**



STUDENT SECTION – POSTER PRESENTATIONS

Wednesday, 22 June 2022 at 17:00 – 18:00, Conference Room

Chairpersons: Maja Nujkić, Žaklina Tasić, Tanja Kalinović

- 1. Students: Jelena Svetožarević, Nemanja Jovanović (SERBIA)**
Mentors: Maja Nujkić, Jelena Kalinović (SERBIA)
MINING WASTEWATER TREATMENT
- 2. Student: Tamara Stamenković (SERBIA)**
Mentor: Milan Antonijević (SERBIA)
TOXIC EFFECT OF OIL DERIVATIVES ON THE ENVIRONMENT
- 3. Student: Damjan Anđelović (SERBIA)**
Mentor: Žaklina Tasić (SERBIA)
ELECTROCHEMICAL BEHAVIOUR OF COPPER IN SODIUM CHLORIDE SOLUTION IN THE PRESENCE OF THEOBROMINE
- 4. Student: Klaudija Paunović (SERBIA)**
Mentors: Maja Nujkić, Aleksandra Papludis (SERBIA)
IMPACT OF AEROSOLS ON THE ENVIRONMENT
- 5. Student: Jelena Dimitrijević (SERBIA)**
Mentor: Žaklina Tasić (SERBIA)
ELECTROCHEMICAL SENSORS FOR THE DETECTION OF IBUPROFEN IN DIFFERENT MEDIUMS
- 6. Student: Vladimir Stiklić (SERBIA)**
Mentor: Tanja Kalinović (SERBIA)
PYROLYSIS OF MUNICIPAL SOLID WASTE
- 7. Students: Milica Denić, Gordan Mišić (SERBIA)**
Mentors: Maja Nujkić, Jelena Kalinović (SERBIA)
WASTEWATER DRAINAGE TREATMENT
- 8. Student: Nemanja Milošević (SERBIA)**
Mentor: Snežana Milić (SERBIA)
STRUCTURE OF CATHODE MATERIALS
- 9. Student: Aleksandra Dimitrijević (SERBIA)**
Mentors: Maja Nujkić, Aleksandra Papludis (SERBIA)
IMPACT OF MINING ON AIR, WATER AND SOIL
- 10. Students: Danica Kiselica, Isidora Kolicović (SERBIA)**
Mentors: Maja Nujkić, Jelena Kalinović (SERBIA)
BLUE WATER TREATMENT OF THE MINE "CEROVO"
- 11. Students: Nevena Milojević, Anđela Manojlović (SERBIA)**
Mentor: Jovica Sokolović (SERBIA)
IMPACT OF METHANE EMISSIONS FROM COAL MINES ON WORKING AND ENVIRONMENT AREA

STUDENT SECTION – *continued*

Wednesday, 22 June 2022 at 17:00 – 18:00, Conference Room

12. **Student: Sandra Jović (SERBIA)**
Mentors: Maja Nujkić, Aleksandra Papludis (SERBIA)
ADSORPTION OF HEAVY METALS FROM MINING WASTEWATER
13. **Student: Tamara Stamenković (SERBIA)**
Mentor: Milan Radovanović (SERBIA)
STRUCTURE OF TiSnSb ELECTRODES
14. **Students: Anica Randelović, Nevena Knežević, Milan Lukić (SERBIA)**
Mentor: Jelena Malenović-Nikolić (SERBIA)
ENERGY INDICATORS AS ELEMENTS OF ENERGY POLITICS ANALYSIS
15. **Students: Nevena Knežević, Anica Randelović, Milan Lukić (SERBIA)**
Mentor: Jelena Malenović-Nikolić (SERBIA)
AIR QUALITY AND MATERIAL ENERGY FLOW MANAGEMENT
16. **Students: Milan Lukić, Nevena Knežević, Anica Randelović (SERBIA)**
Mentor: Jelena Malenović-Nikolić (SERBIA)
ALTERNATIVE SOURCES OF ENERGY AND SUSTAINABLE DEVELOPMENT
17. **Students: Aleksandar Barši, Mina Krstić (SERBIA)**
Mentor: Jelena Malenović-Nikolić (SERBIA)
USE OF ALTERNATIVE ENERGY SOURCES IN SERBIA

EcoTER'22

Additional information



Payment

Registration Fee is € 120 + 20% VAT (€ 144) for foreign participants and RSD 14 400 + 20% VAT (RSD 17 280) for participants from Serbia.

The Registration Fee includes: conference proceedings and other materials, conference lunch, refreshments during the breaks and excursion.

Registration Fee for accompanying persons is € 60 (or RSD 7 200) which includes: conference proceedings and other materials, conference lunch, refreshments during the breaks and excursion.

The extra payment for the accompanying person for the **Conference Lunch is € 15 (or RSD 1 800).**

The participants can sign up for the Excursion at the Info Desk when registering.

How to get here!

If you are travelling from Belgrade, our suggestion is to travel by bus. On the official website of the Belgrade Bus Station (BAS) you can find the time travel schedule (<http://www.bas.rs/en/>). In the text box, type Sokobanja and you can find the available bus lines from Belgrade to Sokobanja.

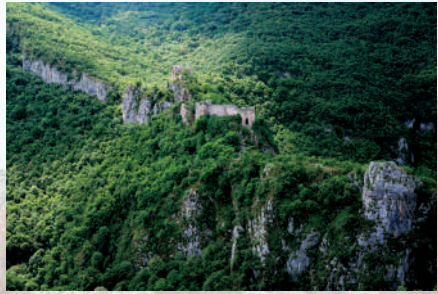
If you prefer, you could rent a car from Belgrade to Sokobanja at the official agencies. Also, the official taxi drivers will drive you to Sokobanja, but you need to get informed about the price.

If you are traveling from other directions, please do not hesitate to contact us for help.

**We are looking forward to seeing you soon.
Have a safe journey!**

Excursion

The picnic area Lepterija, situated 1200 m away from Hotel Sunce, is the most famous and most visited picnic area in Sokobanja. The picnic area can be reached by the solid road or by the pictorial forest path. In the immediate proximity of the Lepterija is the Church "Presveta Bogorodica" (Holy Mother of God) and the natural wonder "Bogorodica u steni" (Holy Mother of God Engraved in a Rock). The medieval fortress Sokograd is located 500 m from Lepterija. The fortress can be reached by a forest path. The waterfall Ripaljka, named after the local expression "ripati" which means "to jump", is located near the picnic area Grudno on the Mountain Ozren. It is the first natural monument in Serbia, which was put under the state protection in 1949. The waterfall Ripaljka is one of the highest waterfalls in Serbia. It is formed on the river Gradasnica and consists of 11 sections with a total height of about 40 m. The height section is 11 m high. The waterfall has the most water in the spring and the least during the summer months. Sesalac Cave is located in the area of the village Sesalac, 18 km away from Sokobanja. The cave is lit up in the length of 200 m and abounds in the cave jewellery: stalactites, stalagmites, travertine tubs and thin draperies. The river that goes very deep into the ground flows through it. In front of the cave is a wonderfully-designed picnic area, and in the immediate proximity of the cave is an artificial pond. In the place called Vrelo, at the bottom of the Mountain Devica, 12 km away from Sokobanja, the crystal clear water of the Moravica river starts.



Platinum Donor of the Conference



tfbor.bg.ac.rs
eco.tfbor.bg.ac.rs