



XIV INTERNATIONAL CONFERENCE ON SOCIAL AND TECHNOLOGICAL DEVELOPMENT – STED 2025

CONFERENCE PROGRAM

XIV MEĐUNARODNA KONFERENCIJA O DRUŠTVENOM I TEHNOLOŠKOM RAZVOJU – STED 2025

PROGRAM KONFERENCIJE

Trebinje, June, 12-15, 2025
Trebinje, 12-15. juni 2025. godine

Co-organizers:



UNIVERSITY of
DEBRECEN



Univerza v Mariboru

Fakulteta za logistiko



TECHNICAL UNIVERSITY OF KOŠICE
Faculty of Manufacturing Technologies



ÓBUDAI EGYETEM
OBUDA UNIVERSITY



VUB
VISOKA ŠKOLA ZA USLUŽNI BIZNIS



VELEUČILIŠTE VIMAL
University of Applied Sciences

XIV INTERNATIONAL CONFERENCE OF SOCIAL AND TECHNOLOGICAL DEVELOPMENT
XIV MEĐUNARODNA KONFERENCIJA O DRUŠTVENOM I TEHNOLOŠKOM RAZVOJU

XIV INTERNATIONAL CONFERENCE OF SOCIAL AND TECHNOLOGICAL DEVELOPMENT
XIV MEĐUNARODNA KONFERENCIJA O DRUŠTVENOM I TEHNOLOŠKOM RAZVOJU

XIV INTERNATIONAL CONFERENCE ON SOCIAL AND TECHNOLOGICAL DEVELOPMENT

CONFERENCE PROGRAM

Publisher:

University PIM, Banja Luka, Republic of Srpska, B&H



For publisher

Dejan Kojić, PhD, General Manager

Editors:

Dejan Kojić, PhD

Darjana Sredić, PhD

Design and Computer processing:

Ljubica Janjetović, PhD

Print:

„Vilux“ Banja Luka

Circulation:

120 copies

XIV INTERNATIONAL CONFERENCE OF SOCIAL AND TECHNOLOGICAL DEVELOPMENT
XIV MEĐUNARODNA KONFERENCIJA O DRUŠTVENOM I TEHNOLOŠKOM RAZVOJU

Organizing and Program Committee:

Dr Dejan Kojić, president, Dr Mladen Ivić, Dr Ljubica Janjetović, Dr Simonida Vilić, Dr Danijela Jokanović, Dr Darjana Sredić, MSc Nada Dursun, Ba Bojan Milićević, Ba Dajana Ajder

Students: *Sofija Pačariz, Slaviša Marković, Ilhana Nesimović, Anastasija Radovanović i Darija Sudžum*

Scientific and Program Committee:

Dr. Mladen Ivić, president, University PIM, Banja Luka, **B&H**; **Dr. Darina Duplákóvá**, Technical University of Kosice, Faculty of Manufacturing Technologies with a seat in Prešov, Institute of Advanced Technologies, Prešov, **Slovakia**; **Dr. Maja Fošner**, Faculty of Logistics, University of Maribor, Celje, **Slovenija**; **Dr. Milena Marinović-Cincović**, University of Belgrade, Vinča Institute of nuclear Sciences, Belgrade, **Serbia**; **Dr. Jelena Pavličević**, University of Novi Sad, Faculty of Technology, Novi Sad, **Serbia**; **Dr. Ayse Aroguz**, Istanbul University-Cerrahpasa, Engineering Faculty, Istanbul, **Turkey**; **Dr. Vladimir Mladenović**, University of Kragujevac, Faculty of Techinc, Čačak, **Serbia**; **Dr. Savo Ashtalkoski**, American University of Europe, Skopje, **North Macedonia**; **Dr. Irena Petrušić**, Faculty of Management, Herceg Novi, **Montenegro**; **Dr. Svetlana Karić**, Academy of vocational studies in Šabac, **Serbia**; **Dr. Tigran Petrosyan**, Yerevan Haybusak University, Yerevan, **Armenia**; **Dr. Tibor Gonda**, Faculty of Business and Economics of the University of Pécs, **Hungary**; **Dr. Zoltán Raffay**, Faculty of Business and Economics of the University of Pécs, **Hungary**; **Dr. Dragan Brenjo**, Food safety agency of Bosnia and Herzegovina, **B&H**; **Dr. Boris Dorbić**, scientific- expert association "FUTURA", Šibenik, **Croatia**; **Dr. Zoltán Nyikes**, Department of Informatics, Milton Friedman University, Budapest, **Hungary**; **Dr. Tünde Anna Kovács**, Bánki Donát Faculty of Mechanical and Safety Engineering, Obuda University, Budapest, **Hungary**; **Dr. Ilija Džombić**, University PIM, Faculty of Economics, Banja Luka, **B&H**; **Dr. Mile Vasić**, European Marketing and Management Association, **B&H**; **Dr. Ognjen Bakmaz**, The College of Service Business, Sokolac, **B&H**; **Dr. Osman Khan**, Institute of Customer Management, **United Kingdom**; **Dr. Perica Bošković**, University of Split, Faculty of Science, Split, **Croatia**; **Dr. Yajnya Dutta Nayak**, P.G. Dept. of Commerce, Khallikote Auto. College, Berhampur, Odisha, **India**; **Dr. Martin G. Abrahamyan**, Yerevan Haybusak University, Yerevan, **Armenia**; **Dr. Svetlana Radchenko**, Technical University of Kosice, Faculty of Manufacturing Technologies with a seat in Prešov, Institute of Advanced Technologies, Prešov, **Slovakia**; **Dr. Lucia Knapčíková**, Technical University of Kosice, Faculty of Manufacturing Technologies with a seat in Prešov, Institute of Advanced Technologies, Prešov, **Slovakia**; **Dr. Bojan Rosi**, Faculty of Logistics, University of Maribor, Celje, **Slovenija**; **Dr. Isaac Lera**, University of the Balearic Islands, Dept. of Mathematics and Computer Science, Balearic Islands, **Spain**; **Dr. Benea Marius Calin**, Politehnica University Timisoara, Faculty of Engineering Hunedoara, **Romania**; **Dr. Milena Špírková**, Institute of Macromolecular Chemistry, Prague, **Czech Republic**; **Dr. Yaroslav Kusyi**, National

University "Lviv Polytechnic", Lviv, Ukraine; Dr. Irena Ashtalkoska, American University of Europe, Skopje, North Macedonia; Dr. Bojana Ikonić, University of Novi Sad, Faculty of Technology, Novi Sad, Serbia; Dr. Mirjana Jovičić, University of Novi Sad, Faculty of Technology, Novi Sad, Serbia; Dr. Nikša Grgurević, Faculty of Management, Herceg Novi, Montenegro; Dr. Oskar Bera, University of Novi Sad, Faculty of Technology, Novi Sad, Serbia; Dr. Nataša Lukić, University of Novi Sad, Faculty of Technology, Novi Sad, Serbia; Dr. Vesna Teofilović, University of Novi Sad, Faculty of Technology, Novi Sad, Serbia; Dr. Azemina Mašović, American University of Europe, North Macedonia; Dr. Hafiz Imtiaz Ahmad, Faculty of Business, Higher Colleges of Technology, Ali Alin, Abu Dhabi, UAE; Dr. Nada Damljanović, University of Kragujevac, Faculty of Techinc, Čačak, Serbia; Dr. Marija Blagojević, University of Kragujevac, Faculty of Techinc, Čačak, Serbia; Dr. Milenko Košutić, Institute of Food Technology, Novi Sad, Serbia; Dr. Jovana Kojić, Institute of Food Technology, Serbia; Dr. Jelena Krulj, Institute of food Technology, Serbia; Dr. Nevena Vukić, University of Kragujevac, Faculty of Techinc, Čačak, Serbia; Dr. Tamara Erceg, University of Novi Sad, Faculty of Technology, Novi Sad, Serbia; Dr. Predrag Kojić, University of Novi Sad, Faculty of Technology, Novi Sad, Serbia; Dr. Snežana Papović, University of Novi Sad, Faculty of Sciences, Novi Sad, Serbia; Dr. Jovana Panić, University of Novi Sad, Faculty of Sciences, Novi Sad, Serbia; Dr. Enes Sukić, Faculty of Information technology and engineering, Belgrade, Serbia; Dr. Ljiljana Tanasić, Academy of vocational studies in Šabac, Serbia; Dr. Bojan Damnjanović, Academy of vocational studies in Šabac, Serbia; M.Sc. Emilija Friganović, scientific-expert association "FUTURA", Šibenik, Croatia; Dr. Božana Odžaković, University of Banja Luka, Faculty of technology, Banja Luka, B&H; Dr. Željko Grublješić, University PIM, Banja Luka, B&H; Dr. Saša Salapura, University PIM, Banja Luka, B&H; Dr. Marijana Žiravac-Mladenović, University PIM, Banja Luka, B&H; Dr. Nikola Vojvodić, University PIM, Banja Luka, B&H; Dr. Predrag Raosavljević, University PIM, Banja Luka, B&H; Dr. Snežana Samardžić, University PIM, Banja Luka, B&H; Dr. Velimir Dedić, University PIM, Banja Luka, B&H; Dr. Svetlana Anđelić, University PIM, Banja Luka, B&H; Dr. Ljubica Janjetović, University PIM, Banja Luka, B&H; Dr. Danijela Jokanović, University PIM, Banja Luka, B&H; Dr. Darjana Sredić, University PIM, Banja Luka, B&H; Dr. Dejan Kojić, University PIM, Banja Luka, B&H.

NOTE:

The authors have full responsibility for the originality and content of their own papers.

XIV INTERNATIONAL CONFERENCE ON SOCIAL AND TECHNOLOGICAL DEVELOPMENT

GENERAL CONFERENCE PROGRAM

THURSDAY, JUNE 12th

ČETVRTAK – 12. JUNI

12⁰⁰ – 18⁰⁰ Registration of participants (Hotel „Leotar“ – in the lobby)

Registracija učesnika (Hotel „Leotar“ – u holu)

18⁰⁰ – 18³⁵ OPENING CEREMONY (Conference Hall)

OTVARANJE KONFERENCIJE (sala za konferencije)

18⁴⁰ – 19⁵⁵ PANEL DISCUSSION (Conference Hall)

PANEL DISKUSIJA (sala za konferencije)

20⁰⁰ COCKTAIL - Hotel „Leotar“ (Terrace of the Hotel Leotar)

KOKTEL - Hotel „Leotar“ (Terasa hotela Leotar)

Pop-Rock Band „Crop Circles“

Pop-Rock Bend „Krugovi u žitu

FRIDAY, JUNE 13th

PETAK – 13. JUNI

09⁰⁰ – 18⁰⁰ Registration of participants (Hotel „Leotar“ – in the lobby)

Registracija učesnika (Hotel „Leotar“ – u holu)

09³⁰ – 11⁰⁰ PLENARY LECTURES (Conference Hall)

PLENARNA PREDAVANJA (sala za konferencije)

11⁰⁰ – 11²⁵ COFFEE BREAK

KAFE PAUZA

11³⁰ – 14⁰⁰ PARALLEL SESSION

PARALELNE SESIJE

14⁰⁰ – 16⁰⁰ LUNCH BREAK

PAUZA ZA RUČAK

**16⁰⁰– 19⁰⁰ *PARALLEL SESSION*
*PARALELNE SESIJE***

**20⁰⁰ *GALA DINNER, Hotel „Leotar“ (Terrace of the Hotel Leotar)*
*SVEČANA VEČERA, Hotel „Leotar“ (Terasa hotela Leotar)***

***SATURDAY, JUN 14th*
*SUBOTA – 14. JUNI***

**09³⁰– 11³⁰ *POSTER SECTION (Terrace of Hotel Leotar)*
*POSTER SEKCIJA (Terasa hotela Leotar)***

**11³⁰– 14⁰⁰ *PARALLEL SESSION*
*PARALELNE SESIJE***

**14¹⁰– 14⁴⁰ *AWARDS AND CLOSING CEREMONY (Conference Hall)*
*DODJELA NAGRADA I ZATVARANJE KONFERENCIJE***

**15²⁰– 19⁰⁰ *Touristic tour of Trebinje (Monastery „Tvrdoš“; The Church –
Hercegovačka Gračanica with a beautiful view of the city of Trebinje;
Anđelić Winery - wine tasting with prosciutto and cheese).*
*Turistički obilazak Trebinja (Manastir „Tvrdoš“; Hercegovačka
Gračanica sa pogledom na grad Trebinje; Vinarija Anđelić –
degustacija nekoliko vrsta vina uz pršut i sir).***

XIV INTERNATIONAL CONFERENCE ON SOCIAL AND TECHNOLOGICAL DEVELOPMENT

FULL CONFERENCE PROGRAM

THURSDAY, JUNE 12nd
ČETVRTAK – 12. JUNI

12⁰⁰ – 18⁰⁰ ***Registration of participants (Hotel „Leotar“ – in the lobby)***
Registracija učesnika (Hotel „Leotar“ – u holu)

18⁰⁰ – 18³⁵ ***OPENING CEREMONY (Conference Hall)***
OTVARANJE KONFERENCIJE (sala za konferencije)

18⁴⁰ – 19⁵⁵ ***PANEL DISCUSSION (Conference Hall)***
PANEL DISKUSIJA (sala za konferencije)

ARTIFICIAL INTELLIGENCE IN HIGER EDUCATION: THREAT OR A USEFUL TOOL?

Moderator: **Dr Lubica Janjetović** – Assistant Professor of Faculty of Computer Sciences, University PIM Banja Luka, **Bosnia and Herzegovina.**

Panelist 1: **Dr Anton Vorina** – Full Professor, School of Economics, Vocational College, Celje, **Slovenia.**

Panelist 2: **Dr Muhamed Ćosić** – Assistant Professor, of Faculty of Computer Sciences, University PIM Banja Luka, **Bosnia and Herzegovina.**

Panelist 3: **Dr Nikša Grgurević** - Assistant Professor of Faculty of Management, Herceg Novi, **Montenegro.**

20⁰⁰ ***COCKTAIL - Hotel „Leotar“ (Terrace of the Hotel Leotar)***
KOKTEL - Hotel „Leotar“ (Terasa hotela Leotar)

FRIDAY, JUNE 13th
PETAK – 13. JUNI

09⁰⁰ – 18⁰⁰ **Registration of participants (Hotel „Leotar“ – in the lobby)**
Registracija učesnika (Hotel „Leotar“ – u holu)

PLENARY LECTURES (CONFERENCE HALL)
PLENARNA PREDAVANJA (sala za konferencije)

Chairs of the Session: Milan Vraneš, Snežana Papović, Nenad Joksimović

09³⁰ - 10¹⁰ ***Katarina M. Miletić – University of Belgrade, Faculty of Physics, Serbia***
NON-INVASIVE OPTICAL SPECTROSCOPY IN PLANT STRESS
RESEARCH: CIRCADIAN RHYTHM AS A DIAGNOSTIC
MARKER

10¹⁵ - 10⁵⁵ ***Izzet Tasar - Firat University, Elaziğ, Türkiye.***
EUROPIEN UNION GREEN DEAL

11⁰⁰ - 11²⁵ ***COFFEE BREAK***
KAFE PAUZA

ORAL PRESENTATIONS 1 (CONFERENCE HALL)

USMENA IZLAGANJA 1 (sala za konferencije)

Chairs of the Session: Sanja Rackov, Muhamed Ćosić, Teona Teodora Borović

- 12⁰⁰** *Micić Ivana*
APPROXIMATE REGULAR RELATIONS OF FUZZY SOCIAL NETWORK
- 12²⁰** *Dušan D. Đorđević, Bogdan D. Đorđević*
FRECHET DERIVATIVES OF EXPONENTIAL AND LOGARITHMIC FUNCTIONS IN BANACH ALGEBRAS
- 12⁴⁰** *Janičić Zorana, Micić Ivana, Stanimirović Stefan, Ćirić Miroslav*
ENHANCING FUZZY AUTOMATA DETERMINIZATION THROUGH PARAMETRIC T-NORM
- 12⁴⁰** *Branko Sarić*
ON SOLVING HAMILTON'S GENERAL QUADRATIC EQUATION
- 13⁰⁰** *Milica Đorđević, Jasmina Đorđević*
SIRS MODEL FOR COMPUTER VIRUSES PROPAGATION
- 13²⁰** *Jelena Matejić, Ivana Micić, Miroslav Ćirić, Stefan Stanimirović, Linh Anh Nguyen*
APPROXIMATING LANGUAGE EQUIVALENCE: COMPUTATION OF ε -WEAK BISIMULATIONS FOR FUZZY AUTOMATA
- 13⁴⁰** *Dušan D. Đorđević, Miljana Jovanović, Marija Milošević*
A TAYLOR APPROXIMATION FOR A CLASS OF NEUTRAL SDE WITH CONSTANT DELAY
- 14⁰⁰** *Tünde Anna Kovács*
SODIUM CHLORIDE SOLUTION TEST OF Ti_4Al_6V IMPLANT SPECIMENS MANUFACTURED BY ADDITIVE TECHNOLOGY
- 14²⁰** *Vesna Simikić, Ivana Maletić-Sekulić, Snežana Babac*
INTERACTION OF BIOMEDICAL ENGINEERING AND ARTIFICIAL INTELLIGENCE IN THE DEVELOPMENT OF INTELLIGENT HEARING SYSTEMS

ORAL PRESENTATIONS 2 (CONFERENCE HALL)
USMENA IZLAGANJA 2 (sala za konferencije)

Chairs of the Session: Ljubica Janjetović, Nevena Vukić and Jelena Asanović

- 16⁰⁰** *Miroslav Vukičević, Balša Drašković, Manolis Annetis, Xristoforos Diamantis*
**AIR POLLUTION FROM CRUISE SHIPS IN BOKA BAY:
ENVIRONMENTAL AND PUBLIC HEALTH IMPACTS IN THE
PORT OF KOTOR**
- 16²⁰** *Miroslav Vukičević, Ivan Šoć, Robert Janković*
**SIMULATING REALITY: TRANSFORMING MARITIME TRAINING
THROUGH VR TECHNOLOGY**
- 16⁴⁰** *Anton Vorinar, Zeba Zarin Ansari, Darina Dupláková, Novak Damjanović, Mladena
Krajišnik*
**REVOLUTIONIZING SUPPLY CHAINS: THE TRANSFORMATIVE
ROLE OF ARTIFICIAL INTELLIGENCE IN LOGISTICS**
- 17⁰⁰** *Branislav Sančanin, Aleksandra Penjišević, Ognjen Bakmaz*
**THE USE OF ARTIFICIAL INTELLIGENCE IN THE
RECRUITMENT PROCESS**
- 17²⁰** *Muhamed Ćosić, Dejan Kojić, Azra Ahmić, Lejla Mustoo Baser*
**ARTIFICIAL INTELLIGENCE AND EDUCATION: BALANCING
DIGITAL TRANSFORMATION AND MENTAL HEALTH**
- 17⁴⁰** *Vučelja Lekić, Mladen Janjić, Nada Damljanović*
**OPTIMIZING TEACHING STRATEGIES IN LARGE GROUPS
THROUGH MULTIPLICATIVE MCDM METHOD**

ORAL PRESENTATIONS 3 (HALL 2)

USMENA IZLAGANJA 3 (sala 2)

Chairs of the Session: Simonida Vilić, Bojan Milićević and Jelena Jovović

- 12⁰⁰** ***Zoltán Szalánczi, Éva Judit Szalánczi-Bartha - ONLINE***
TALENT MANAGEMENT IN FOOTBALL
- 12²⁰** ***Éva Judit Szalánczi-Bartha, Zoltán Szalánczi - ONLINE***
RECREATIONAL SPORT AND PERSONALITY DEVELOPMENT
- 12⁴⁰** ***Dajana Bašić, Elvir Ibeljić***
VIRTUAL ROLE MODELS: POSITIVE OR NEGATIVE INFLUENCES ON THE IDENTITY FORMATION ON CHILDREN AND ADOLESCENTS?
- 13⁰⁰** ***Jovana Galić, Darjana Sredić***
THE VALUES AND ATTITUDES AS A DRIVERS OF ORGANIC FOOD PURCHASE
- 13²⁰** ***Nedim Prelić, Danijela Jokanović, Nera Kravić Prelić***
CONNECTION OF PERCEIVED SOCIAL SUPPORT WITH THE SCHOOL ACHIEVEMENT OF HIGH SCHOOL STUDENTS
- 13⁴⁰** ***İnci Tasar, Ayse Betul Toplu***
TEACHING GRAMMAR THROUGH ORAL STORYTELLING1
- 14⁰⁰** ***Emir Sinan, Darjana Sredić - ONLINE***
THE IMPORTANCE OF THE RELATIONS BETWEEN FAMILY AND SCHOOL (PEDAGOGUE/PSYCHOLOGIST)
- 14²⁰** ***Elek Bartha***
GRAPES AND WINE IN FOLKLORE TRADITION

ORAL PRESENTATIONS 4 (HALL 2)
USMENA IZLAGANJA 4 (sala 2)

Chairs of the Session: Nada Banović, Mladen Ivić and Marina Mišeljčić

- 16⁰⁰** *Meliha Frndić Imamović, Almir Pustahija*
INTRODUCING STRICTER PROTECTIVE MEASURES FOR VICTIMS AND HARSHER PENALTIES FOR PERPETRATORS OF DOMESTIC VIOLENCE IN LIGHT OF THE NEW LAW ON PROTECTION FROM DOMESTIC VIOLENCE AND VIOLENCE AGAINST WOMEN IN THE FEDERATION OF BOSNIA AND HERZEGOVINA
- 16²⁰** *Vedran Zlatić - ONLINE*
HUMAN DIGNITY AS PART OF THE MATERIAE CONSTITUTIONIS
- 16⁴⁰** *Aleksandra Milošević*
DECRIMINALIZATION OF PROHIBITION AND CRIMINALIZATION OF RISK: LEGAL CHALLENGES OF NUCLEAR ENERGY DEVELOPMENT IN SERBIA
- 17⁰⁰** *Huyen Thi Thu Nguyen - ONLINE*
HOW TO BUILD A GOOD SUPPLY CHAIN
- 17²⁰** *Zoran Stjepanović, Veljko Vuković, Darko Stjepanović, Halid Žigić*
BENCHMARKING AS A MANAGEMENT METHOD IN INDUSTRIAL CAPACITIES OF THE RAILWAYS OF THE REPUBLIC OF SRPSKA
- 17⁴⁰** *Dajana Ajder, Simonida Vilić*
THE STRATEGIC ROLE OF THE SERVICE ENVIRONMENT IN THE PROCESS OF ACHIEVING A COMPETITIVE ADVANTAGE ON THE EXAMPLE OF THE KRAS COMPANY
- 18⁰⁰** *Sandra Đukanović, Zoran Rakićević, Ognjen Anđelić - ONLINE*
OPPORTUNITIES FOR ENCOURAGING INTERNAL ENTREPRENEURIAL INITIATIVES AMONG EMPLOYEES IN MANUFACTURING COMPANIES – CASE STUDY OF THE COMPANY VENDOM

SATURDAY, JUN 17th

SUBOTA – 17. JUNI

09³⁰– 11¹⁵ POSTER SECTION (Terrace of Hotel Leotar)
POSTER SEKCIJA (Terasa hotela Leotar)

11¹⁵– 11³⁰ COFFEE BREAK
KAFE PAUZA

ORAL PRESENTATIONS 5 (CONFERENCE HALL)
USMENA IZLAGANJA 5 (sala za konferencije)

Chairs of the Session: Nevena Vukić, Anton Vorina and Danijela Jokanović

11³⁰ Zoran Stjepanović, Veljko Vuković, Darko Stjepanović, Živoslav Adamović, Svetozar Bugarin

MODEL OF THE BALANCED SCORECARD CONCEPT IN THE COMPANY

11⁵⁰ Nikša Grgurević

GLOBAL DEBT AND INSTITUTIONAL EFFICIENCY

12¹⁰ Sofija Pačariz, Simonida Vilić

THE ROLE OF EMOTIONAL LITERACY IN MODERN MANAGEMENT

12³⁰ Dajana Bašić, Elvir Ibeljić

THE VIRTUAL WORLD: ILLUSION OR SAFE HAVEN FOR CHILDREN AND ADOLESCENTS

12⁵⁰ Vesna Simikić, Ivana Maletić-Sekulić, Snežana Babac

THE ROLE OF ARTIFICIAL INTELLIGENCE IN THE TRANSFORMATION OF EDUCATION: NEW TRENDS AND CHALLENGES

13¹⁰ Sandra Đukanović, Danica Lečić-Cvetković - ONLINE

APPLICATION OF MODERN TECHNOLOGIES TO IMPROVE THE PROCUREMENT PROCESS: CASE STUDY OF THE COMPANY „VENDOM“

**13³⁰ – 13⁵⁰ *AWARDS AND CLOSING CEREMONY (Conference Hall)*
*DODJELA NAGRADA I ZATVARANJE KONFERENCIJE***

**15⁰⁰ – 19⁰⁰ *Touristic tour of Trebinje (Monastery „Tvrdoš“; The Church Hercegovačka Gračanica with a beautiful view of the city of Trebinje; Anđelić Winery - wine tasting with prosciutto and cheese).*
*Turistički obilazak Trebinja (Manastir „Tvrdoš“; Hercegovačka Gračanica sa pogledom na grad Trebinje; Vinarija Anđelić – degustacija 5 vrsta vina uz pršut i sir).***

POSTER SECTION
POSTER SEKCIJA

POSTER SESSION 1

POSTER SEKCIJA 1

Chairs of the Session: Katarina Miletić, Veljko Vuković, Ljubica Janjetović

- PS1-1** *Milena Marinović-Cincović, Marija Krstić, Tijana Jovanović, Suzana Samaržija-Jovanović, Katarina Stepić, Slobodan Čirić, Vojislav Jovanović*
CHITOSAN AS A FORMALDEHYDE SCAVENGER AND DYE SORBENT
- PS1-2** *Ognjen Todorović, Slavica Porobić-Katnić, Marija Milenković, Milena Marinović-Cincović*
EFFECT OF GAMMA RADIATION ON THE STRUCTURAL AND MECHANICAL PROPERTIES OF IPP-LDPE POLYMER BLENDS
- PS1-3** *Jelena P. Georgijević, Lazar Rakočević, Dejan Pjević*
ELECTROCHEMICAL EVALUATION OF VO_x THIN FILMS FOR ENERGY STORAGE
- PS1-4** *Jelena P. Georgijević, Lazar Rakočević, Tijana Đorđević, Dejan Pjević*
THIN-FILM SUSTAINABLE TECHNOLOGIES: THE POTENTIAL OF VANADIUM OXIDES
- PS1-5** *Lazar Rakočević, Jelena Golubović, Svetlana Štrbac*
MINIMIZING PLATINUM GROUP METAL CONTENT IN CATALYSTS FOR THE HYDROGEN EVOLUTION REACTION
- PS1-6** *Lazar Rakočević, Jelena P. Georgijević, Dejan Pjević*
XPS CHARACTERIZATION OF VO_x THIN FILMS OBTAINED BY SPUTTER DEPOSITION
- PS1-7** *Nenad Joksimović, Jelena Petronijević, Marija Ristić, Snežana Branković, Filip Grbović*
BETA-DIKETO ESTERS IN REMEDIATION PROCESS OF SEWAGE SLUDGE
- PS1-8** *Marija Ristić, Maja Đukić, Jelena Petronijević, Ivan Jakovljević, Marina Ćendić Serafinović, Nenad Joksimović, Milena Vukić*
INTERACTIONS OF HUMAN SERUM ALBUMIN WITH A PALLADIUM(II) COMPLEX CONTAINING A THIOAMIDE MOIETY: DETAILED EXPERIMENTAL AND MOLECULAR DOCKING STUDIES
- PS1-9** *Snežana Branković, Radmila Glišić, Filip Grbović, Nenad Joksimović, Jelena Petronijević, Jelena Bogosavljević*
INNOVATIVE APPROACH TO NEUTRALIZING OF POLLUTANTS IN ASBESTOS TAILINGS USING β - DIKETONATE

- PSI-10** *Snežana Branković, Radmila Glišić, Filip Grbović, Sladjan Adžić, Kristina Luković, Aleksandra Rakonjac, Marija Marin*
BIOLOGICAL TEST METHODS – MODEL FOR ASSESSING THE NEUTRALIZATION OF SEWAGE SLUDGE POLLUTANTS USING β -DIKETONATE
- PSI-11** *Snežana M. Papović, Teona Teodora V. Borović, Jovana J. Selak, Nikolett A. Căko Bagány, Milan B. Vraneš, Andrija V. Vukov*
PHYSICO-CHEMICAL INVESTIGATION OF IONIC ADDITIVES FOR ENHANCED LITHIUM-ION BATTERY PERFORMANCE
- PSI-12** *Sara Klimenta, Andrija Vukov, Snežana Papović, Teona Teodora Borović, Jovana Selak, Milan Vraneš*
TAILORING VALPROATE-BASED IONIC LIQUIDS FOR NEUROPHARMACEUTICAL APPLICATIONS: HYDRATION BEHAVIOR AND THERMOPHYSICAL INSIGHT
- PSI-13** *Milan Vraneš, Sara Klimenta, Teona Teodora Borović, Nikolett Cako Baganj, Jovana Selak, Snežana Papović, Sanja Belić, Andrija Vukov, Slobodan Gadžurić*
DESIGN OF BIOCOMPATIBLE TOPICAL FORMULATIONS BASED ON PHARMACEUTICALLY ACTIVE IONIC LIQUIDS AND NATURAL DEEP EUTECTIC SOLVENTS
- PSI-14** *Jovana Panić, Teona Teodora Borović, Snežana Papović, Nikolett Cako Bagány, Sanja Belić, Slobodan Gadžurić, Milan Vraneš*
HOW DOES AN IONIC LIQUID BASED ON SALICYLATE INFLUENCE THE SOLUBILITY AND INTERACTIONS OF CAFFEINE IN WATER SOLUTIONS?
- PSI-15** *Andrija Vukov, Teona Teodora Borović, Nikolett Cako Baganj, Jovana Selak, Snežana Papović, Sanja Dožić, Slobodan Gadžurić, Milan Vraneš*
INFLUENCE OF SELECT BIOLOGICALLY ACTIVE CO-SOLUTES ON METFORMIN HYDRATION PROPERTIES
- PSI-16** *Teona Teodora Borović, Andrija Vukov, Jovana Selak, Snežana Papović, Sanja Belić, Nikolett Căko Bagány, Slobodan Gadžurić, Milan B. Vraneš*
ROLE OF METHYL SALICYLATE ON THE SOLUBILITY AND AGGREGATION BEHAVIOR OF CAFFEINE: THERMODYNAMIC AND MOLECULAR SIMULATIONS
- PSI-17** *Sanja Rackov, Branka Pilić*
PREPARATION AND LONG-TERM STABILIZATION OF POLYSACCHARIDE NANOFIBERS

- PS1-18** *Sanja Rackov, Branka Pilić*
SYNERGISTIC PROPERTY ENHANCEMENT IN BIODEGRADABLE POLYMER BLENDS: TAILORING POLYHYDROKSYALKANOAT PERFORMANCE
- PS1-19** *Milan D. Kostić, Biljana S. Đorđević, Marija R. Miladinović, Olivera S. Stamenković*
ENHANCING BIODIESEL PRODUCTION FROM RADISH SEED OIL USING TRIETHANOLAMINE–PROPYLENE GLYCOL DEEP EUTECTIC SOLVENT
- PS1-20** *Milan D. Kostić, Anita G. Jović, Marija R. Miladinović, Farzam Fotovat, Biljana S. Đorđević, Olivera S. Stamenković*
INFLUENCE OF CATALYSTS ON THE COSOLVENT-ASSISTED METHANOLYSIS OF WASTE POLYETHYLENE TEREPHTHALATE
- PS1-21** *Jelena M. Avramović, Ivana B. Banković Ilić, Jasna Ž. Savić, Ana V. Veličković, Vladimir Š. Sikora, Vesna S. Zlatković, Miljana S. Krstić, Ivan J. Stojković, Vlada B. Veljković*
INDUSTRIAL HEMP AS A SUSTAINABLE ENERGY SOURCE: TECHNO-ECONOMIC AND ENVIRONMENTAL INSIGHTS
- PS1-22** *Miljana S. Krstić, Ivana B. Banković Ilić, Jasna Ž. Savić, Jelena M. Avramović, Vladimir Š. Sikora, Vesna S. Zlatković, Ana V. Veličković, Vlada B. Veljković*
COMPARATIVE ANALYSIS OF CONVENTIONAL AND ADVANCED METHODS FOR INDUSTRIAL HEMP OIL EXTRACTION
- PS1-23** *Ana V. Veličković, Ivana B. Banković Ilić, Jasna Ž. Savić, Jelena M. Avramović, Vladimir Š. Sikora, Vesna S. Zlatković, Miljana S. Krstić, Ivan J. Stojković, Vlada B. Veljković*
PERFORMANCE AND EMISSION CHARACTERISTICS OF BIODIESEL DERIVED FROM INDUSTRIAL HEMP OIL
- PS1-24** *Vesna Zlatković, Sanja Petrović, Saša Savić, Ivan Stojković, Ivana Banković Ilić, Zoran Todorović, Vlada Veljković*
MINERAL CHARACTERIZATION OF COLD-PRESSED FODDER RADISH SEED PRODUCTS: OIL, PRESS CAKE, AND DEFATTED MEAL
- PS1-25** *Branislava Radišić, Slavica Prvulović*
KORIŠĆENJE INDUSTRIJSKOG CO₂ U EOR METODAMA ZA POVEĆANJE ISKORIŠĆENJA NAFTNIH LEŽIŠTA
- PS1-26** *Darina Dupláková, Ján Duplák, Dejan Kojić, Enes Sukić, Anton Vorina*
SURFACE MODIFICATION TECHNIQUES FOR DENTAL IMPLANTS

- PS1-27** Nevena Vukić, Dejan Kojić
ADVANCES IN THE PERFORMANCE AND COMPATIBILITY OF INKJET PRINTING MATERIALS
- PS1-28** Miloš Županjac, Predrag Ikonić, Jasmina Lazarević, Ana Varga, Nikola Maravić, Milica Vidosavljević, Milica Pojić
SENSORY EVALUATION OF COMMERCIAL FISH PÂTÉS AS A BASIS FOR THE DEVELOPMENT OF AN INNOVATIVE FISH SPREAD
- PS1-29** Dragana Plavšić, Dragan Psodorov, Ljubiša Šarić, Ana Varga, Ivana Čabarkapa, Olja Todorić, Jelena Tomić
USING OF MINT ESSENTIAL OIL IN ANTIFUNGAL PROTECTION OF PHYLLO PASTRY
- PS1-30** Danica Savanović, Ana Velemir, Aleksandar Savić, Ljiljana Topalić Trivunović, Jovo Savanović, Vesna Muždeka
THE INFLUENCE OF THE ADDITION OF SELECTED PLANT SPECIES ON THE BIOLOGICAL PROPERTIES OF JANJ CHEESE
- PS1-31** Danica Savanović, Ana Velemir, Aleksandar Savić, Jovo Savanović, Branislav Šojić, Vesna Muždeka
SENSORY PROPERTIES OF JANJ CHEESE WITH THE ADDITION OF SELECTED PLANT SPECIES
- PS1-32** Ana Velemir, Snježana Mandić, Aleksandar Savić, Ljiljana Topalić-Trivunović, Danica Savanović
ANTIOXIDANT AND ANTIMICROBIAL POTENTIAL OF BLACKTHORN AND RED CHERRY EXTRACTS IN NATURAL SAUSAGE CASINGS
- PS1-33** Ana Velemir, Snježana Mandić, Aleksandar Savić, Ljiljana Topalić-Trivunović, Danica Savanović
IMPACT OF THAWING METHODS ON THE PHYSICO-CHEMICAL AND NUTRITIONAL PROPERTIES OF BEEF MEAT
- PS1-34** Maja Milijaš, Mirjana Žabić, Dragoljub Cvetković
EFFECT OF FREEZING ON PHYSICO-CHEMICAL, ANTIOXIDANT, AND SENSORY PROPERTIES OF HONEYDEW HONEY
- PS1-35** Maja Milijaš, Dragoljub Cvetković
PHYSICO-CHEMICAL AND ANTIOXIDANT PROPERTIES OF COLD-PRESSED ARONIA JUICE

POSTER SESION 2

POSTER SEKCIJA 2

Chairs of the Session: Muhamed Ćosić, Simonida Vilić, Nikša Grgurević

- PS2-1** *Tanja Krunić*
CIRCULAR ECONOMY: IMMOBILIZATION OF LACTOBACILLUS ACIDOPHILUS ON FLAXSEED CAKE
- PS2-2** *Tanja Krunić*
IMPACT OF FLAXSEED CAKE HYDROLYSIS ON ANTIOXIDANT CAPACITY
- PS2-3** *Tanja Krunić, Andrea Osmokrovic*
IMPACT OF TREHALOSE-BASED CRYOPROTECTANT ON IMMOBILIZATION AND RELEASE OF LACTOBACILLUS PLANTARUM OBTAINED FOR WOUND DRESSING
- PS2-4** *Andrea Osmokrović, Jovana Zvicer, Vesna Lazić, Jasmina Stojkowska, Predrag Petrović, Tanja Krunić*
FUNCTIONALIZED COMPOSITES BASED ON POLYVINYL ALCOHOL AND ACTIVATED CHARCOAL FOR ADVANCED WOUND APPLICATION
- PS2-5** *Darko Radulović, Marija Blagojević*
AN ANALYSIS OF KNOWLEDGE SOURCES IN THE FIELD OF THE INTERNET OF THINGS
- PS2-6** *Zoltán Nyikes, Tünde Anna Kovács*
ARTIFICIAL INTELLIGENCE SUPPORTED APPLICATION FOR EXPLOSIVE CLADDING PROCESS SPECIFICATION
- PS2-7** *Darko Radulović, Marija Blagojević*
THE INTERNET OF THINGS IN HEALTHCARE INDUSTRY
- PS2-8** *Đorđe Damnjanović, Marina Milošević, Nedeljko Dučić, Dijana Stojić, Dejan Vujičić*
IMPLEMENTATION OF WAVELET SCALOGRAMS FOR AUDIO SIGNAL ANALYSIS
- PS2-9** *Dijana Stojić, Dejan Vujičić, Đorđe Damnjanović, Marina Milošević*
PERFORMANCE COMPARISON OF VARIOUS DATABASE TYPES IN REACT NATIVE APPLICATIONS
- PS2-10** *Alen Kamiš, Aleksandar Zakić, Marko Zakić, Nemanja Deretić*
"EYES WIDE OPEN" – ONE OF THE FUNDAMENTALS OF INFORMATION SECURITY

- PS2-11** *Ljilja Šikman, Biljana Vranješ, Aleksandar Gaćina, Đorđe Stojisavljević, Suzana Tomić*
THE ROLE OF SOCIAL MEDIA IN PUBLIC COMMUNICATION DURING NATURAL
- PS2-12** *Milena Milojević, Suzana Knežević, Maja Došenović Marinković, Goran Stanišić*
THE ROLE OF ECOLOGICAL FACTORS IN FREE-RANGE ANIMAL FARMING: IMPLICATIONS FOR FEASIBILITY AND ANIMAL WELFARE
- PS2-13** *Milena Milojević, Suzana Knežević, Maja Došenović Marinković, Goran Stanišić*
THE IMPACT OF HALAL CERTIFICATION ON ENVIRONMENTAL STANDARDS IN THE SERBIAN MEAT INDUSTRY
- PS2-14** *Draženko Bjelić, Jasna Moravac, Tijana Đuričić, Borislav N. Malinović*
REDUCING GHG EMISSIONS THROUGH IMPROVED WASTE MANAGEMENT: CASE STUDY OF THE CITY OF PRNJAVOR
- PS2-15** *Jelena Jovanović, Dragana Perišić*
MODELS FOR ESTIMATING PRODUCTION PHASE DURATION AS A FOUNDATION FOR EFFICIENT PRODUCTION MANAGEMENT
- PS2-16** *Dragana Perišić, Jelena Jovanović*
RANKING OF THE SOFTWARE PACKAGES FOR PROJECT MANAGEMENT USING INTEGRATED MCDM METHODS
- PS2-17** *Željko Grublješić, Mustafa Avdagić, Jelena Jovović*
POSSIBILITIES AND ASPECTS OF INTEGRATION IN PUBLIC HEALTH CARE INSTITUTIONS
- PS2-18** *Jadranka Denkova, Jovan Ananiev*
ELECTRONIC MANAGEMENT OF THE PUBLIC ADMINISTRATION, A PROCESS THAT INFLUENCES ITS EFFECTIVENESS AND RESPONSIBILITY
- PS2-19** *Nikola Radosavljević, Gordana Rendulić Davidović, Cariša Bešić, Miloš Papić*
AI IN IT BUSINESS: PERCEPTIONS OF SERBIAN IT PROFESSIONALS ON THE IMPACT OF ARTIFICIAL INTELLIGENCE ON INDIVIDUAL PRODUCTIVITY
- PS2-20** *Gordana Rendulić Davidović, Nikola Radosavljević, Neda Nikolić, Miraš Milašinović*
ENTREPRENEURIAL MARKETING AND ORGANIZATIONAL PERFORMANCE: INSIGHTS FROM THE MORAVICA DISTRICT IN SERBIA

- PS2-21** *Dženeta Blažević Smajlović, Snežana Samardžić*
THE RELATIONSHIP BETWEEN RIGIDITY, PERFECTIONISM AND MENTAL HEALTH
- PS2-22** *Aleksandra Stevanović, Marija Kaplar*
TRANSFORMING STUDENT AUTONOMY IN CHANGING EDUCATIONAL CONTEXTS: LEARNING MATERIAL CHOICES FROM THE PANDEMIC ONWARD
- PS2-23** *Marija Kaplar, Miloš Vučić, Zorana Lužanin*
MATHEMATICS FOR FUTURE ENGINEERS: STUDENT ATTITUDES, LEARNING STRATEGIES, AND THE ROLE OF TECHNOLOGY
- PS2-24** *Darina Dupláková, Ján Duplák, Dejan Kojić, Enes Sukić, Anton Vorina*
THE CONCEPT AND SIGNIFICANCE OF ERGONOMICS IN HIGHER EDUCATION WITH A FOCUS ON MECHANICAL ENGINEERING
- PS2-25** *Jasmina Đorđević, Giulia Di Nunno*
APPLICATION OF TIME-CHANGE LÉVY NOISES ON REFLECTED BACKWARD STOCHASTIC DIFFERENTIAL EQUATIONS
- PS2-26** *Miroslav Ćirić, Jelena Ignjatović, Predrag Stanimirović*
MATRIX FACTORIZATIONS WITH PRESCRIBED RANGES AND NULL SPACES
- PS2-27** *Hristina Delibašić-Marković, Violeta Petrović, Ivan Petrović*
IMPLEMENTATION OF A PASSIVE RC LOW-PASS FILTER FOR EMBEDDED IOT SYSTEMS WITH OPEN-SOURCE SIMULATION SUPPORT
- PS2-28** *Violeta Petrović, Hristina Delibašić-Marković, Jelena Maljković*
IMULATION OF ULTRAFAST FREE ELECTRON DYNAMICS IN SKIN-LIKE TISSUE MEDIA UNDER SHORT-PULSE LASER EXCITATION
- PS2-29** *Sara V. Ristić, Marija M. Petković Benazzouz, Dejan A. Jeremić, Bečko V. Kasalica, Katarina M. Miletić*
NONDESTRUCTIVE OPTICAL ACCESS TO CIRCADIAN RHYTHMS IN WATER-GROWN AND EPIPHYTIC PLANTS
- PS2-30** *Nikolina Lozo*
THE ROLE OF OFFICE OF THE HIGH REPRESENTATIVE IN POST-DAYTON BOSNIA AND HERZEGOVINA (1997-2009)

- PS2-31** Ognjen Šukalo, Diana Stupar, Maja Milić Aleksić
DESIGNING THE BRIEF: PRINCIPLES FOR SHAPING THE ARCHITECTURAL DESIGN CURRICULUM FOR HOUSING
- PS2-32** Maja Milić Aleksić, Ognjen Šukalo, Tanja Stupar
METHODS FOR TEACHING THE ARCHITECTURAL DESIGN: A CASE STUDY IN AN OFFICE SPACE CURRICULUM
- PS2-33** Igor Kuvač, Malina Čvoro, Saša Čvoro, Zoran Uljarević, Milana Nedimović, Slobodan Peulić
THE LANDSCAPE OF CONTEMPORARY ARCHITECTURE IN THE REPUBLIC OF SRPSKA, 1997–2023
- PS2-34** Igor Kuvač, Malina Čvoro, Saša Čvoro, Zoran Uljarević, Milana Nedimović, Slobodan Peulić
THE LANDSCAPE OF CONTEMPORARY ARCHITECTURE IN THE REPUBLIC OF SRPSKA, 1997–2023
- PS2-35** Saša Ljubojević, Branko Latinović
SPATIAL-TEMPORAL ANALYSIS OF HELICOPTER AVAILABILITY FOR WILDFIRE SUPPRESSION IN THE TERRITORY OF REPUBLIC OF SRPSKA
- PS2-33** Žarko Rosić, Igor Šabić, Trifko Bulut
TREATMENT OF MUNICIPAL AND MEDICAL WASTE WITH PLASMA TECHNOLOGY
- PS2-37** Andrea Andrejević Panić, Slobodan Cvetanović, Aleksandar Kostić
CO-AUDITING AS A TOOL FOR ASSESSING AND SHAPING LONG-TERM SUSTAINABLE BUSINESS STRATEGIES
- PS2-38** Branimir Kalaš, Vera Mirović
REVENUE VULNERABILITY TO ECONOMIC DEVELOPMENT: RETHINKING TAX POLICY IN BOSNIA AND HERZEGOVINA
- PS2-39** Andrea Andrejević Panić, Slobodan Cvetanović, Aleksandar Kostić
ECOLOGICAL, ECONOMIC, AND SOCIAL DIMENSIONS OF CIRCULAR BUSINESS MODELS
- PS2-40** Mladen Milić, Marko Milić, Jelena Lutovac, Vedrana Blagojević
THE IMPACT OF PROMOTIONAL SALES ON CONSUMER BEHAVIOR
- PS2-41** Endurance Keyamo
CREDIT AVAILABILITY AND INCLUSIVE GROWTH IN NIGERIA

- PS2-42** *Mile Matijević*
CRIMINOGENICITY LABOR AND FINANCIAL BUSINESS IN CONNECTION WITH EMPLOYEE RIGHTS
- PS2-43** *Almir Pustahija, Meliha Frndić Imamović, Aldina Bjelić*
TERRORISM, COUNTERTERRORISM, AND HUMAN RIGHTS: THE PATH TO SUSTAINABLE SECURITY BASED ON THE RULE OF LAW
- PS2-44** *Nebojša Švraka, Vlado Švraka*
PARENTS' PERCEPTION OF THE ROLE OF PRESCHOOL TEACHERS, PRESCHOOL INSTITUTIONS, AND THE IMPORTANCE OF PHYSICAL EDUCATION
- PS2-45** *Nebojša Švraka, Filip Pehar*
DEVELOPMENT OF MOTOR SKILLS IN PRESCHOOL CHILDREN UNDER THE INFLUENCE OF SPORTS ACTIVITIES