



TECHNICAL FACULTY "MIHAJLO PUPIN" ZRENJANIN,  
UNIVERSITY OF NOVI SAD,  
REPUBLIC OF SERBIA



## CONFERENCE AGENDA

Venue:

Technical Faculty "Mihajlo Pupin" Zrenjanin,  
October, 2-3<sup>th</sup>, 2025.

<b>Thursday, 02.10.2025.</b>	
<b>13.00 - 15.00h</b>	<b>Registration</b>
<b>Friday, 03.10.2025.</b>	
<b>9.00 – 10.00h</b>	<b>Registration</b>
<b>10.00 – 10.15h</b> <b><u>36</u></b>	<b>OPENING of the</b> <b>XV International conference on Industrial Engineering and Environment Protection</b> Ph.D Milan Nikolić, Dean of the TF “Mihajlo Pupin” Ph.D Ivan Palinkaš, President of the Organizing Committee Ph.D Bogdana Vujić, Vice Dean for Finance of the TF “Mihajlo Pupin”
<b>PLENARY SESSION</b>	
<b>10.15 -11.00h</b> <b><u>36</u></b>	<b>Chairs:</b> Slavica Prvulović, Višnja Mihajlović <b>MITIGATING TECHNICAL AND OPERATIONAL FAILURES IN THE DESIGN AND MAINTENANCE OF BIOGAS PLANTS</b> Silva Lozančić
<b>11.00 - 11.30h</b>	<b>Coffee break</b>
<b>11.30 - 13.00h</b>	<b>ORAL/POSTER PRESENTATION AND ROUND TABLE</b>
<b>SESSION 1 (Chairs: Mića Đurđev, Una Marčeta )</b>	
<b>11.30 - 13.00h</b> <b><u>36</u></b>	<b>IMPROVING MEASUREMENTS IN AUDIOLOGY USING ELECTROSTATIC TRANSDUCERS</b> Zoltán Mikovity
	<b>APPLICATION OF PID CONTROLLER AND FUZZY LOGIC IN CONTROLLING A CIRCULATION PUMP</b> Dimitrije Milovanović
	<b>GREEN NEW DEAL FOR CLIMATE CHANGE</b> Edi Daruši

	<b>ENERGY STATES OF ELECTRONS IN LAYERED GRAPHENE</b> Stevo K. Jaćimovski
	<b>ANALYTICAL SOLUTION OF SPATIAL DISTRIBUTION OF AIR POLLUTION FROM POINT SOURCES</b> Stevo K. Jaćimovski
<b>ROUND TABLE</b>	
<b>11.30 - 13.00h</b> <b><u>Graduation hall</u></b>	<i>Erasmus+ project “Strengthening green and digital capacities in higher education through cooperation in integrating historical buildings into a sustainable and digital future – HEIstorical”</i>
<b>13.00 - 14.00h</b>	<i>Lunch break</i>
<b>SESSION 2 (Chairs: Snežana Filip, Jasna Tolmač)</b>	
<b>14.00-15.30h</b> <b><u>36</u></b>	<b>HEALTH AND SAFETY OF EMPLOYEES IN HYBRID WORKING CONDITIONS</b> Dunja Istrat
	<b>MULTICRITERIA ANALYSIS OF OCCUPATIONAL HAZARDS IN UNDERGROUND MINING</b> Dejan Bogdanović
	<b>DESIGN PRINCIPLES FOR A STANDARDIZED MUZZLE RISE TEST RIG</b> Faruk Güner
<b>15.30 - 16.00h</b>	<i>Conclusions of the conference and closing ceremony</i>
<i>Note: The agenda is open to changes on the day of the conference, if required.</i>	

<b>POSTER SESSION</b>	
<b>11.30 - 15.30h</b> <b><u>36</u></b>	<b>IN SITU REHABILITATION OF AGING PUBLIC WATER SUPPLY WELLS</b> Marija Perović, Tatjana Mitrović, Jelena Zarić Kovačević
	<b>STRONTIUM IN GROUNDWATER AS AN INDICATOR OF DEEP AQUIFER MIXING</b> Marija Perović, Tatjana Mitrović, Jelena Zarić Kovačević
	<b>OPTIMIZING NOISE LEVELS IN A VEHICLE – CASE</b> Eng. Adrian-Flavius Craioveanu, Prof.PhD.Eng. Adrian-Eugen Cioablă, Assoc.Prof.PhD.Eng. Luisa – Izabel Dungan, Asst.Prof. Una Marčeta
	<b>IDENTIFICATION OF KEY LEAN TOOLS IN THE AUTOMOTIVE INDUSTRY</b> Sanja Simić, Mijodrag Milošević, Dejan Božić, Dejan Lukić
	<b>BEST AVAILABLE TECHNOLOGIES AND PRACTICES TO TREAT THE THERMAL SPA WASTEWATER</b> Srđan Kovačević, Ivana Mihajlović, Dušan Milovanović
	<b>APPLICATION OF CAD TOOLS IN DESIGNING COMPLEX MECHANICAL ASSEMBLIES</b> Ratko Joksimović, Miroslav Milutinović
	<b>POTENTIAL FOR RDF PRODUCTION IN REPUBLIC OF SERBIA</b> Srđan Kovačević, Višnja Mihajlović, Nemanja Stanisavljević, Marko Muhadinović, Xiaoming Wang
	<b>MODELING ISOBUTANE UNCONTROLLED RELEASE FROM A STORAGE TANK</b> Jelena Kiurski-Milošević, Aleksandra Šućurović, Nikola Mahova
	<b>THE MICROBIOLOGICAL CONTROL OF DEMINERALIZED WATER</b> Milana Drašković, Danijele Jašin, Gelert Gligor

	<b>HYGIENIC CORRECTNESS OF DRINKING WATER OF ZRENJANIN</b> Milana Drašković, Danijele Jašin, Gelert Gligor
	<b>A MULTI-DIMENSIONAL APPROACH TO DANUBE RIVER PRESERVATION: COMBINING WATER QUALITY SCIENCE AND ACOUSTIC ART</b> Maja Brborić, Jelena Radonić, Sonja Dmitrašinović, Ulrike Gayh, Vilmaurora Castillo, Maja Turk Sekulić
	<b>EVALUATION OF NOISE EXPOSURE FROM PRINTING MACHINES IN A DIGITAL PRINTING LABORATORY</b> Aleksandra Mihailović, Nada Marković, Robert Lakatoš, Selena Samardžić Cvijanović, Savka Adamović
	<b>MAGNETITE NANOPARTICLES FOR EFFICIENT NI(II) REMOVAL</b> Marija Maletin, Jasmina Nikić, Jovana Pešić Bajić, Sanja Vasiljević, Aleksandra Tubić, Jasmina Agbaba
	<b>COMPARATIVE ANALYSIS OF RESIDENTIAL PHOTOVOLTAIC SYSTEMS: IMPACT OF SHADING AND ORIENTATION ON ENERGY PRODUCTION</b> Anca-Adriana Petcut-Lasc, Valentina-Emilia Balas, Flavius-Maxim Petcut
	<b>OCCUPATIONAL HEALTH AND SAFETY RISK EVALUATION OF PM2.5 AIR POLLUTION IN BELGRADE, SERBIA DURING THE HEATING SEASON</b> Nikola Petrović, Ermina Čosović, Uglješa Bugarić
	<b>ENHANCING DECISION SUPPORT SYSTEMS THROUGH AI-DRIVEN ADAPTIVE WEIGHTING METHODS</b> Mirjana Misita, Neda Papic
	<b>CE COMPLIANCE FOR CRANES: LIFTING ACCESSORIES AND PROTECTIVE DEVICES AND EQUIPMENT</b> Željana Kužet, Dejan Lukić, Vladimir Mučenski, Jovana Topalić, Mijodrag Milošević
	<b>APPLICATION OF SUSTAINABLE FERTILIZERS: BIOCHAR AND PHOSPHATE GLASS EFFECTS AT ROSE FLOWERING</b> Jelena D. Nikolić, Ana M. Vujošević, Vladimir S. Topalović, Anja V. Antanasković, Veljko V. Savić, Marija S. Djošić, Zorica R. Lopičić
	<b>THE APPLICATION OF ENGINEERED PEACH STONE BIOCHAR IN REMOVING PHOSPHATES FROM AQUEOUS SOLUTION: KINETIC INSIGHTS</b> Zorica Lopičić, Anja Antanasković, Vladimir Adamović, Jelena Milojković, Tatjana Šoštarić
	<b>ENERGY CRISIS AND GLOBAL WARMING - THE NECESSITY OF A PARADIGM CHANGE</b> Milan Ivanović
	<b>CHEMICAL POLLUTANTS IN SOIL IN VRNJAČKA BANJA</b> Svetlana Belošević
<i>Note: The agenda is open to changes on the day of the conference, if required.</i>	

## PROCEEDINGS PAPERS

Mechanical Engineering		
<b>DYNAMIC STABILITY OF A SLIGHTLY CURVED PIPE RESTING ON A WINKLER ELASTIC FOUNDATION</b>	Svetlana Lilkova-Markova, Dimitar Lolov	University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria
<b>THERMOGRAPHIC ASSESSMENT OF PRESSURE RELIEF VALVE OPERATION</b>	Borivoj Novaković, Luka Đorđević, Uroš Šarenac, Dejan Landup	University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Republic of Serbia
<b>ENHANCING DECISION SUPPORT SYSTEMS THROUGH AI-DRIVEN ADAPTIVE WEIGHTING METHODS</b>	Mirjana Misita, Neda Papic	University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia
<b>KINDS OF SHRINKAGE DURING MELTING AND SOLIDIFICATION OF A METAL</b>	Zoran Karastojković, Jasmina Pekez, Nada Ratković-Kovačević	Society for ethics and evaluation in science and culture, Beograd, Serbia, Technical University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia, The Academy of Applied Studies Polytechnic, Novi Beograd, Blvd. Dr Zorana Đinđića 267, Serbia
<b>IDENTIFICATION OF KEY LEAN TOOLS IN THE AUTOMOTIVE INDUSTRY</b>	Sanja Simić, Mijodrag Milošević, Dejan Božić, Dejan Lukić	University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia
<b>APPLICATION OF CAD TOOLS IN DESIGNING COMPLEX MECHANICAL ASSEMBLIES</b>	Ratko Joksimović, Miroslav Milutinović	University of East Sarajevo, Faculty of Mechanical Engineering, East Sarajevo, Bosnia and Herzegovina
<b>INTELLIGENT 3D SPACE OPTIMIZATION FOR LOGISTICS OPERATIONS</b>	Ersin Kaya, Sait Ali Uymaz, Ender Boz, Sevgi Alkan	Konya Technical University, Artificial Intelligence Application and Research Center, Department of R&D Center, ALIŞAN International Transport JSC, Istanbul, Türkiye Konya, Türkiye
<b>MODELS OF AI INTEGRATION IN ENGINEERING EDUCATION: A PRACTICAL FRAMEWORK FOR LEARNING OUTCOMES, RETENTION, AND ACADEMIC INTEGRITY</b>	Nemanja Tasic, Igor Vecstejn, Vuk Amizic, Tamara Milic	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia

<b>BRAILLE AS A PATH TO WRITTEN CONTENT</b>	Mislav Benić, Hrvoje Glavaš	Institute of Croatian Language, Department of Dialectology, Zagreb, Croatia, Faculty of Electrical Engineering, Computer Science and Information Technology Osijek, Osijek, Croatia
<b>EXPERIMENTAL INVESTIGATION OF THE IMPACT TOUGHNESS OF POLYLACTIC ACID- PLA SPECIMENS FABRICATED BY FFF 3D PRINTING USING THE CHARPY METHOD</b>	Dušan Jovanić, Ivana Vasović Maksimović, Eleonora Desnica	Technical College of Applied Sciences, Zrenjanin, Serbia, Research and Development Institute Lola, Beograd, Serbia, University of NoviSad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia
<b>STRESS ANALYSIS OF WELDED JOINT BEHAVIOR UNDER TENSILE LOADING using FEM</b>	Aleksandar Rajić, Dušan Jovanić, Ljubica Lazić Vulićević	Technical College of Applied Sciences in Zrenjanin, Serbia
<b>ANALYSIS OF CO2 EMISSIONS IN SLOT MILLING OF C45E STEEL</b>	Milan Trifunović, Miloš Madić	University of Niš, Faculty of Mechanical Engineering in Niš, Niš, Serbia
<b>ENHANCING EDUCATIONAL QUALITY THROUGH VIRTUAL REALTY</b>	Ivan Palinkas, Aleksandar Rajic, Spasoje Eric, Eleonora Desnica, Dezső Gergely	University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Technical College of Applied Sciences in Zrenjanin, Serbia, University of Nyíregyháza, Institute of Engineering and Agriculture
<b>GRAVIMETRIC ANALYSIS OF PARTICULATE MATTER EMISSIONS FROM MILLING PROCESSES</b>	Milana Ilić Mićunović, Borut Kosec, Boris Agarski, Zorica Miroslavljević, Slađana Jovanović, Zoran Čepić	University of Novi Sad, Faculty of Technical sciences”, Novi Sad, Serbia, University of Ljubljana, Faculty of Natural Sciences and Engineering, Ljubljana, Slovenia
<b>Energetics and Process Technique</b>		
<b>THE ROLE AND IMPORTANCE OF CONDENSATE PUMPS IN THE OPERATION OF A 110 MW COMBINED HEAT AND POWER PLANT</b>	Slavica Prevulovic, Duska Jarcevic, Jasna Tolmac, Milos Josimovic	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia
<b>BEST AVAILABLE TECHNOLOGIES AND PRACTICES TO TREAT THE THERMAL SPA WASTEWATER</b>	Srđan Kovačević, Ivana Mihajlović, Dušan Milovanović	University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia
<b>APPLICATION OF PID CONTROLLER AND FUZZY LOGIC IN CONTROLLING A CIRCULATION PUMP</b>	Dimitrije S. Milovanović, Nikola B. Danković	Cronholm & Magnusson Teknik AB, Landskrona, Sweden, University of Niš, Faculty of Electronic Engineering, Niš, Serbia

<b>ENERGY STATES OF ELECTRONS IN LAYARED GRAPHENE</b>	Stevo K. Jaćimovski, Jelena Lamovec, Dušan I. Ilić, Jovan P. Šetrajčić	University of Criminal Investigation and Police Studies, Zemun – Belgrade, Serbia, University of Novi Sad, Facultet of Technical Sciences, Novi Sad, Vojvodina – Serbia, Academy of Sciences and Arts of the Republic of Srpska, Banja Luka, Republic of Srpska – B&H
<b>OVERVIEW OF RENEWABLE ENERGY SOURCES IN SERBIA AND IN THE WORLD</b>	Jasna Tolmac, Slavica Prvulovic, Marija Nedic, Uros Sarenac, Milan Markovic	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia, Interior Jankovic, Primorska 88, Novi Sad, Serbia
<b>ANALYSIS AND OPTIMIZATION OF THE WATER SUPPLY SYSTEM “BELO BLATO”</b>	Dejan Landup, Borivoj Novaković, Luka Đorđević, Dejan Bajić, Ognjen Krneta, Vesna Drakulović	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin
<b>WATER 4.0 - DIGITALISATION IN THE WATER SUPPLY AND SEWERAGE SECTOR</b>	Stanko P. Stankov	University of Niš, Faculty of Electronic Engineering, Niš, Serbia
<b>WATER LOSSES IN THE WATER SUPPLY PROCESS – IDENTIFICATION AND CONTROL</b>	Stanko P. Stankov	University of Niš, Faculty of Electronic Engineering, Niš, Serbia
<b>SOLAR ENERGY IN THE REPUBLIC OF SERBIA: THE POTENTIAL AND LEGAL FRAMEWORK</b>	Nadežda Ljubojev, Jasmina Pekez, Dalibor Dobrilović, Luka Đorđević, Ljubiša Malešev	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia
<b>COMPARATIVE ANALYSIS OF RESIDENTIAL PHOTOVOLTAIC SYSTEMS: IMPACT OF SHADING AND ORIENTATION ON ENERGY PRODUCTION</b>	Anca-Adriana Petcut-Lasc1,2, Valentina-Emilia Balas1,3, Flavius-Maxim Petcut1	Aurel Vlaicu University of Arad, Romania, Petroleum-Gas University of Ploiesti, Romania, Academy of Romanian Scientists, Bucharest, Romania
<b>Designing and Maintenance</b>		
<b>HB9CV ANTENNA: THEORETICAL AND PRACTICAL ASPECTS</b>	Tomislav Barić, Hrvoje Glavaš, Ljiljana Radovanović	University of Osijek, Faculty of Electrical Engineering, Computer Science and University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia, Information Technology Osijek, Osijek, Croatia
<b>SIMULATED IoT SENSOR MONITORING AND ALERTING USING PYTHON AND WEB APIs</b>	Hristina Delibašić Marković, Violeta Petrović and Ivan Petrović	University of Kragujevac, Faculty of Science, Kragujevac, Serbia, Academy of Professional Studies Šumadija, Department in Kragujevac,

<b>DESIGN PRINCIPLES FOR A STANDARDIZED MUZZLE RISE TEST RIG</b>	Faruk Güner	University of Giresun, Faculty of Engineering, Giresun, Türkiye
<b>CONCEPTUAL DESIGN OF A MODULAR DUAL-PURPOSE MOLTEN SALT REACTOR</b>	Emil Mammadzada, Ayhan Kara, Faruk Güner	University of Giresun, Faculty of Engineering, Giresun, Türkiye
<b>CE COMPLIANCE FOR CRANES: LIFTING ACCESSORIES AND PROTECTIVE DEVICES AND EQUIPMENT</b>	Željana Kužet, Dejan Lukić, Vladimir Mučenski, Jovana Topalić, Mijodrag Milošević	University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia
<b>REVIEW AND ANALYSIS OF REGULATIONS REDUCING MACHINERY SAFETY RISKS ON CONSTRUCTION SITES</b>	Držislav Vidaković, Silva Lozančić, Josip Radić, Marijana Hadzima-Nyarko	Josip Juraj Strossmayer University of Osijek, Faculty of Civil Engineering and Architecture Osijek, Osijek, Croatia
<b>ICT APPLICATION FOR PREDICTIVE MAINTENANCE AND LOGISTICS EFFICIENCY IN INDUSTRIAL ENTERPRISES</b>	Mihalj Bakator, László Szabó, Nataša Đalić, Dragan Čočkaló, Sanja Stanisavljev	University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Republic of Serbia, Budapest University of Economics and Business, Faculty of Marketing and Business Communication, Department of Trade and Logistics, Budapest, Hungary, Faculty of Transport and Traffic Engineering, University of East Sarajevo, 74000 Dobož, Bosnia and Herzegovina, University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Republic of Serbia, University of Novi Sad, Technical faculty "Mihajlo Pupin", Zrenjanin, Republic of Serbia
<b>IMPROVING MEASUREMENTS IN AUDIOLOGY USING ELECTROSTATIC TRANSDUCERS</b>	Zoltán Mikovity, Odry Péter, Zoltán Vizvári	Óbuda University Doctoral School of Applied Informatics and Applied Mathematics, 1034 Budapest, Bécsi Str. 96/b, Hungary, University of Dunaujvaros, Tancsics M. Str. 1/A, H-2401 Dunaujvaros, Hungary, Hungary John von Neumann Faculty of Informatics, Obuda University, Becsí Str. 96/B, H-1034 Budapest, Hungary
<b>THE INFLUENCE OF FLUIDS ON THE OPTIMAL OPERATION OF THE HYDRAULIC SYSTEM</b>	Uroš Šarenac, Borivoj Novaković, Slavica Prvulović, Jasna Tolmač, Vesna Drakulović	University of Novi Sad, Technical Faculty "Mihajlo Pupin", Zrenjanin, Serbia



<b>Oil and gas engineering</b>		
<b>IMPACT OF GAS FLARING AND VENTING PROCESSES IN THE OIL INDUSTRY ON AIR QUALITY</b>	Milan Markovic, Marko Blažić, Katarina Vignjević, Jasna Tolmač	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Republic of Serbia
<b>CORPORATE SOCIAL RESPONSIBILITY AND SWOT ANALYSIS: THE CASE OF NIS COMPANY</b>	Branislava Radišić, Sanja Stanisavljev, Verica Gluvakov, Slavica Prvulović, Mila Kavalić, Dragana Kovač	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Republic of Serbia
<b>MODELING ISOBUTANE UNCONTROLLED RELEASE FROM A STORAGE TANK</b>	Jelena Kiurski-Milošević, Aleksandra Šućurović, Nikola Mahova	Technical college of applied sciences in Zrenjanin, Serbia 2Gas Refinery Elemir, Serbia
<b>Environmental management</b>		
<b>CIRCULAR SUPPLY CHAIN PRACTICES AND THEIR CONTRIBUTION TO GREEN ECONOMY GOALS IN SERBIAN MANUFACTURING</b>	Stefan Ugrinov, Đorđe Vučković, Sanja Stanisavljev, Verica Gluvakov, Mila Kavalić	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia
<b>QUALITY IN PROJECT MANAGEMENT AS A PIVOTAL PART IN THE CONSTRUCTION INDUSTRY</b>	Dragan Hristovski	DS Smith, Skopje, North Macedonia
<b>ENVIRONMENTAL AND ECONOMIC ADVANTAGES OF CIRCULAR GREEN WASTE MANAGEMENT</b>	Dragan Ugrinov, Magdalena Nikolić	University of Economics Academy, Faculty of Europe “Kallos”, Ratarski put no.8a, 11000 Belgrade, Serbia, The Academy of Applied Studies Polytechnic Katarine Ambrozić 3, Belgrade, Serbia
<b>POTENTIAL FOR RDF PRODUCTION IN REPUBLIC OF SERBIA</b>	Srđan Kovačević, Višnja Mihajlović, Nemanja Stanisavljević, Marko Muhadinović, Xiaoming Wang	University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia, University of Novi Sad, Technical Faculty “Mihajlo Pupin” Zrenjanin, Lafarge BFC Srbija, d.o.o, Chongqing University (CQU), Chongqing, China, Faculty of Environmental Protection and Ecology
<b>PRACTICES AND PERSPECTIVES OF SUSTAINABLE MANAGEMENT OF ORGANIC KITCHEN WASTE</b>	Jovana Čugalj, Milana Čugalj, Saveta Bikić, Vesna Drakulović	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia, Faculty of Sciences, University of Novi Sad
<b>THE MICROBIOLOGICAL CONTROL OF DEMINERALIZED WATER</b>	Milana Drašković, Danijele Jašin, Gelert Gligor	Technical College of Applied Studies, Zrenjanin, Serbia Public Utility Company Waterworks and Sewerage, Subotica, Serbia



<b>UNSUPERVISED MACHINE LEARNING vs. CLASSICAL CLUSTERING: HOTSPOT IDENTIFICATION OF PBDEs IN DANUBE RIVER SEDIMENTS</b>	Maja Brborić, Branka Nakomčić Smaragdakis, Sonja Dmitrašinić, Borivoje Stepanov, Epari Ritesh Patro, Maja Turk Sekulić	University of Novi Sad, Faculty of Technical Sciences, Department of Environmental Engineering and Occupational Safety and Health, Novi Sad, Serbia, University of Novi Sad, Faculty of Technical Sciences, Department of Energy and Process Technique, Novi Sad, Serbia, Water, Energy and Environmental Engineering Research Unit, University of Oulu, Oulu FI90014, Finland
<b>A VISUAL APPROACH TO PROJECT MANAGEMENT USING REACT FLOW</b>	Nikola Jovanov, Ivan Palinkaš, Eleonora Brtko, Vesna Makitan, Ema Brtko	University of NoviSad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia, University of Novi Sad, Faculty of Economics in Subotica, Serbia
<b>HYBRID MODEL APPROACH FOR PRODUCT LEVEL DEMAND FORECASTING IN RETAIL</b>	Kaan Taflanoglu, Selim Ayaydin, Muhammed Murat Özbek, Gürol Sungun	CarrefourSA
<b>DIGITAL PROMOTION PLANNING AND OPTIMIZATION: AN AI-POWERED RETAIL APPLICATION</b>	Emir Ramazan Yaşar, Selin Avcı, Muhammed Murat Özbek, Gürol Sungun	CarrefourSA
<b>GREEN LEADERSHIP: AUTHENTIC SUSTAINABILITY OR GREENWASHING?</b>	Dragana Kovač, Edit Terek Stojanović, Maja Gaborov	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia
<b>THE FOUNDATION OF GREEN MINING – PRINCIPLES AND SUSTAINABILITY</b>	Momcilo Ristic, Visnja Ognjenovic	Independent researcher, Belgrade, Serbia, University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia
<b>Health and Environmental Protection</b>		
<b>IN SITU REHABILITATION OF AGING PUBLIC WATER SUPPLY WELLS</b>	Marija Perović, Tatjana Mitrović, Jelena Zarić Kovačević	Jaroslav Černi Water Institute, Belgrade, Serbia, Institute of Physics Belgrade, Serbia, Mining Institute Ltd. Belgrade, Serbia University of Belgrade, Serbia
<b>STRONTIUM IN GROUNDWATER AS AN INDICATOR OF DEEP AQUIFER MIXING</b>	Marija Perović, Tatjana Mitrović, Jelena Zarić Kovačević	Jaroslav Černi Water Institute, Belgrade, Serbia, Institute of Physics Belgrade, Serbia, Mining Institute Ltd. Belgrade, Serbia University of Belgrade, Serbia

<b>GREEN NEW DEAL FOR CLIMATE CHANGE</b>	Edi Daruši	Zrenjaninin gymnasium, Zrenjanin, Serbia
<b>A GREEN MODEL FOR BUSINESS IMPROVEMENT</b>	Verica Gluvakov, Mila Kavalić, Sanja Stanisavljev, Stefan Ugrinov, Snežana Mirković	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia, BB Trade DOO, Zrenjanin, Serbia,
<b>CHEMICAL POLLUTANTS IN SOIL IN VRNJAČKA BANJA</b>	Svetlana K. Belošević, Emin Memović, Saša Jovanović, Julijana Lekić, Jovana S. Belošević	University of Priština in Kosovska Mitrovica, Faculty of Technical Sciences, Kosovska Mitrovica, Serbia
<b>ANALYTICAL SOLUTION OF SPATIAL DISTRIBUTION OF AIR POLLUTION FROM POINT SOURCES</b>	Stevo K. Jaćimovski, Jelena Lamovec, Dušan I. Ilić, Jovan P. Šetrajčić	University of Criminal Investigation and Police Studies, Zemun – Belgrade, Serbia, University of Novi Sad, Facultet of Technical Sciences, Novi Sad, Vojvodina – Serbia, Academy of Sciences and Arts of the Republic of Srpska, Banja Luka, Republic of Srpska – B&H
<b>SOFTWARE QUALITY MONITORING IN AGILE WORKING ENVIRONMENT</b>	Vuk Amizic, Igor Vecstejn, Nemanja Tasic, Tamara Milic	University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia
<b>HYGIENIC CORRECTNESS OF DRINKING WATER OF ZRENJANIN</b>	Milana Drašković, Danijele Jašin, Gelert Gligor	Technical College of Applied Studies, Zrenjanin, Serbia Public Utility Company Waterworks and Sewerage, Subotica, Serbia

<b>APPLICATION OF SUSTAINABLE FERTILIZERS: BIOCHAR AND PHOSPHATE GLASS EFFECTS AT ROSE FLOWERING</b>	Jelena D. Nikolić, Ana M. Vujošević, Vladimir S. Topalović, Anja V. Antanasković, Veljko V. Savić, Marija S. Djošić, Zorica R. Lopičić	Institute for Technology of Nuclear and Other Mineral Raw Materials (ITNMS), Belgrade, Serbia
<b>A MULTI-DIMENSIONAL APPROACH TO DANUBE RIVER PRESERVATION: COMBINING WATER QUALITY SCIENCE AND ACOUSTIC ART</b>	Maja Brborić, Jelena Radonić, Sonja Dmitrašinić, Ulrike Gayh, Vilmaurora Castillo, Maja Turk Sekulić	University of Novi Sad, Faculty of Technical Sciences, Department of Environmental, SRH University of Applied Sciences Heidelberg, Ludwig-Guttmann-Straße 6, 69123 Heidelberg, Engineering and Occupational Safety and Health, Novi Sad, Serbia
<b>READING BETWEEN THE WASTE: CORRELATION ANALYSIS OF INORGANIC POLLUTION IN LANDFILLS</b>	Tijana Adamov, Mladenka Novaković, Ivana Mihajlović, Maja Petrović	University of Novi Sad , Faculty of Technical Sciences, Department of Environmental Engineering and Occupational Safety and Health, Trg Dositeja Obradovića 6, Novi Sad 21000, Serbia
<b>BIOPLASTICS AND THEIR BIODEGRADATION IN NATURAL ENVIRONMENTS</b>	Snežana Filip, Branislava Radišić	University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia, Administration for Inspection Affairs, Podgorica, Montenegro
<b>MAGNETITE NANOPARTICLES FOR EFFICIENT NI(II) REMOVAL</b>	Marija Maletin, Jasmina Nikić, Jovana Pešić Bajić, Sanja Vasiljević, Aleksandra Tubić, Jasmina Agbaba	University of Novi Sad, Faculty of Sciences, Department of Chemistry, Biochemistry and Environmental Protection, Trg Dositeja Obradovića 3, 21000 Novi Sad, Republic of Serbi
<b>ENERGY CRISIS AND GLOBAL WARMING - THE NECESSITY OF A PARADIGM CHANGE</b>	Milan Ivanović	PANON – think tank for strategic studies, Osijek, Croatia

<b>REMOVAL OF MICROPLASTICS FROM NATURAL AND WASTEWATER MATRICES BY COAGULATION AND FLOCCULATION: EFFECT OF MICROSAND AND COAGULANT TYPE</b>	Sanja Vasiljević, Tijana Marjanović Srebro, Maja Vujić, Jasmina Agbaba, Radivoj Tomić, Marija Maletin, Aleksandra Tubić	University of Novi Sad, Faculty of Sciences, Department of chemistry, biochemistry and environmental protection, Novi Sad, Serbia
<b>EVALUATION OF SETTLEABLE PARTICULATE MATTER IN TIMISOARA AND ZRENJANIN. FIRST STEPS AND PERSPECTIVES</b>	Mădălina Ileana Zoț, Jovana Čugalj, Bogdana Vujić, Zoran Čepić, Francisc Popescu	University Politehnica Timișoara, Timisoara, Romania, University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia, University of Novi Sad, Faculty of Technical Sciences, Serbia
<b>THE APPLICATION OF ENGINEERED PEACH STONE BIOCHAR IN REMOVING PHOSPHATES FROM AQUEOUS SOLUTION: KINETIC INSIGHTS</b>	Zorica Lopičić, Anja Antanasković, Vladimir Adamović, Jelena Milojković, Tatjana Šoštarić	Technical College of Applied Sciences, Zrenjanin, Serbia, Research and Development Institute Lola, Beograd, Serbia, University of NoviSad,Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia
<b>Occupational Safety</b>		
<b>MULTICRITERIA ANALYSIS OF OCCUPATIONAL HAZARDS IN UNDERGROUND MINING</b>	Dejan Bogdanović	University of Belgrade, Technical Faculty in Bor, Bor, Serbia
<b>OCCUPATIONAL HEALTH AND SAFETY RISK EVALUATION OF PM2.5 AIR POLLUTION IN BELGRADE, SERBIA DURING THE HEATING SEASON</b>	Nikola Petrović, Ermina Čosović, Uglješa Bugarić	University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia
<b>OPTIMIZING NOISE LEVELS IN A VEHICLE – CASE</b>	Eng. Adrian-Flavius Craioveanu, Prof.PhD.Eng. Adrian-Eugen Cioablă, Assoc.Prof.PhD.Eng. Luisa – Izabel Dungan, Asst.Prof. Una Marčeta	Politehnica University Timisoara, Mechanical Engineering Faculty, Mihai Viteazu Blv, 1, 300222, Timisoara, University of Novi Sad, Technical Faculty “Mihajlo Pupin”, Zrenjanin, Serbia

<b>HEALTH AND SAFETY OF EMPLOYEES IN HYBRID WORKING CONDITIONS</b>	Dunja Istrat, Mladenka Novaković, Ljubica Duđak, Maja Petrović	University of Novi Sad, Faculty of Technical Sciences, Department of Environmental, University of Novi Sad, Faculty of Technical Sciences, Department Industrial Engineering and Management, Trg Dositeja Obradovića 6, 21000 Novi Sad, Serbia Engineering and Occupational Safety and Health, Trg Dositeja Obradovića 6, 21000 Novi Sad, Serbia
<b>EVALUATION OF NOISE EXPOSURE FROM PRINTING MACHINES IN A DIGITAL PRINTING LABORATORY</b>	Aleksandra Mihailović, Nada Marković, Robert Lakatoš, Selena Samardžić Cvijanović, Savka Adamović	University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia, Administration for Inspection Affairs, Podgorica, Montenegro
<b>APPLICATIONS FOR A HEALTHY AND BALANCED DIET: A REVIEW AND COMPARISON</b>	Aleksandar Kupusinac, Mladen Radišić, Dragica Kupusinac, Maja Radišić, Dušan Pevac	University of Novi Sad, Faculty of Technical Sciences, Trg Dositeja Obradovića 6, 21000 Novi Sad