



3RD INTERNATIONAL CONFERENCE „ECOLOGY OF URBAN AREAS 2013“

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

with partners

POLITEHNICA UNIVERSITY, TIMISOARA, ROMANIA

OBUDA UNIVERSITY, BUDAPEST, HUNGARY

MOGILEV STATE UNIVERSITY OF FOOD TECHNOLOGIES, BELARUS

SLOVAK UNIVERSITY OF TECHNOLOGY IN BRATISLAVA, SLOVAK REPUBLIC



AGENDA

Friday, October 11th, 2013, Hunting Manor, Kaštel – Ečka, Zrenjanin		
9.00-10.00	Registration of the participants	
10.00-10.45	Opening of the 3 rd international conference "Ecology of urban areas 2013"	<p>Ph.D Milan Pavlović, Chairmen of the Organizing Committee, University of Novi Sad, Serbia</p> <p>Ph.D Ioana Ionel, Chairman of Scientific Committee, Politehnica University of Timisoara, Romania</p> <p>Ph.D Miroslav Vesković, Rector of University of Novi Sad, Serbia</p> <p>Delegate from Ministry of Energy, Development and Environmental Protection of Republic of Serbia</p> <p>Ph.D Slobodan Puzović, Provincial Secretariat for Urbanism, Construction and Environmental protection, Serbia</p> <p>Ph.D Goran Stojanović, Provincial Secretariat for Science and Technological Development, Serbia</p> <p>M.Sc Ivan Bošnjak, Mayor of Zrenjanin, Serbia</p> <p>Ph.D Nikola Majinski, Chamber of Commerce, Serbia</p> <p>Ph.D Alexandr Mironchik, Mogilev State University of Food Technologies, Belarus</p> <p>Ph.D István Patkó, Obuda University, Budapest, Hungary</p> <p>Ph.D Ľubomír Šooš, Slovak University of Technology in Bratislava, Slovak Republic</p>
10.45-11.30	Invited Keynote speakers (15 minutes each) Chairmans: Ph.D Ioana Ionel / Ph.D Milan Pavlović	
	Ph.D Ioana Ionel	MODELING AIR QUALITY IN URBAN AREAS. APPLICATION FOR TIMISOARA Ioana Ionel, Ion Vetres, Nicolae Stelian Lontis - Politehnica University, Timisoara, Romania
	Ph.D Hosam Bayoumi Hamuda	ECOLOGICAL MONITORING OF SEWAGE SLUDGE AMENDMENT TO SOIL ON HEAVY METAL ACCUMULATION AND CONSEQUENT RESPONSES OF HELIANTHUS ANNUUS PLANT Hosam Bayoumi Hamuda, István Patkó - Obuda University, Budapest, Hungary
	Ph.D Mirjana Vojinović Miloradov	THE UNIQUE AND UNUSUAL PHYSICO-CHEMICAL CHARACTERISTICS OF ORGANIC EMERGING CONTAMINANTS Mirjana Vojinovic Miloradov, Ivan Spanik, Olga Vyvirska, Jelena Radonic, Ivana Mihajlovic – University of Novi Sad, Serbia
11.30-11.45	Coffee break	
11.45-12.45	Ph.D Molorad Miloradov	MULTICRITERIA DECISION MAKING FOR SUSTAINABLE ENVIRONMENTAL PROTECTION Milorad Miloradov, Serafim Opricovic, Nemanja Stanisavljevic – Serbian Academy of Sciences and Arts, Serbia
	Ph.D Alexandr Mironchik	HEAVY METALS ACCUMULATION IN ENVIRONMENTAL OBJECTS OF AREAS ADJACENT TO THE HIGHWAYS Alexandr Mironchik - Mogilev State University of Food Technologies, Belarus
	Ph.D Ľubomír Šooš	WASTE MANAGEMENT IN THE EU AND SLOVAKIA Ľubomír Šooš, Marta Murgašová - Slovak University of Technology in Bratislava, Slovak Republic
	Ph.D Željko Marušić	REDUCING AIR POLLUTIONS IN MODERN BUSES FOR URBAN TRANSPORT Željko Marušić - University of Zagreb, Croatia
13.00-14.00	Lunch	
14.00-15.00	Presentations of the participants (Session 1) Hall 1 Presentations of the participants (Session 2) Hall 2	
14.00-15.00	Poster session 1	
15.00-16.00	Presentations of the participants (Session 3) Hall 1 Presentations of the participants (Session 4) Hall 2	
15.00-16.00	Poster session 2	
16.00-16.15	Coffee break	
16.00-17.00	Poster session 3	
17.00-18.00	Poster session 4	
18.15	Conference closure	

14.00-15.00 Session 1
(MANAGEMENT OF SOLID URBAN WASTE, ECONOMIC OF SUSTAINABLE DEVELOPMENT IN URBAN AREAS, SYSTEM OF ECOLOGICAL MANAGEMENT)

Chairman: Ph.D Milan Pavlović, Ph.D István Patkó	
PROBLEMS OF RECYCLING AND SUSTAINABLE MANAGEMENT OF ELECTRICAL AND ELECTRONIC WASTE	Jovan Milivojević, Aleksandar Đorđević, Svetlana Stojanović, Center for Quality, Faculty of engineering in Kragujevac
ASSESSMENT OF THE EFFECTIVENESS OF TANNERY BASED SOLID WASTES MANAGEMENT IN ATIENO TANNERIES LIMITED NJIRU DISTRICT IN NAIROBI COUNTY, KENYA	Richard O. Oruko, Wilkister N. Moturi, John M. Mironga, Egerton University, Faculty of Environment and Resource Development, Kenya
AWARENESS ON WASTE MANAGEMENT IN THE CITY OF ZRENJANIN	Mila Zakin, Ljiljana Radovanović, Jasmina Pekez, Živoslav Adamović, Technical faculty "M. Pupin", Zrenjanin, Kucora Ištvan HIP, Pančevo
IMPLEMENTATION OF THE IPPC AND EI DIRECTIVES IN LAW OF REPUBLIC OF SERBIA	Bogdana Vujić, Nadezda Ljubojev, Marko Simić, Technical faculty "M. Pupin", Zrenjanin
CONCEPTUAL MODEL OF ECOLOGICAL MAINTENANCE DEVELOPMENT PROJECT OF THE ECONOMY IN UNDEVELOPED LOCAL COMMUNITY	Vojislav Stamenković, Nebojsa Gošnjčić, Tourist organization Mali Zvornik
ECOLOGY - CONCEPT OF SUSTAINABILITY	Ivan Tasić, Dragana Glušac, Dijana Karuović, Technical faculty "M. Pupin", Zrenjanin, Jelena Jankov, Dajana Tubić
ADDITIONAL INFORMATION TOWARD INTER MUNICIPAL AGREEMENT EFFECTIVENESS	Nedeljko Ćurić, Standing Conference of Towns and Municipalities, Belgrade
CLEAN TECHNOLOGIES AND REGIONAL ECONOMIC DEVELOPMENT	Dejan Đorđević, Dragan Ćočkalo, Bojana Gligorović, Dragana Sajfert, Technical faculty "M. Pupin", Zrenjanin

14.00-15.00 Session 2
(ENVIRONMENTAL ASPECTS OF TRAFFIC IN URBAN AREAS, NOISE AND VIBRATIONS IN URBAN AREAS, ELECTRO AND ELECTRO-MAGNETIC POLLUTION IN URBAN AREAS,)

Chairman: Ph.D Vjekoslav Sajfert, Ph.D Dorin Lelea	
MANAGING THE YELLOW LANES BY MEANS OF "CAR SHARING" STRATEGY AND BY APPLYING FUZZY LOGIC	Branko Davidović, High Technical School in Kragujevac, Duško Letić, Technical faculty "M. Pupin", Zrenjanin, Aleksandar Jovanović, Faculty of transport and trafficking engineering, Belgrade
NOISE AS FACTOR OF LIVING IN URBAN AREAS	Boris Rakić, Lozica Ivanović, Danica Josifović, Andreja Ilić, Faculty of Engineering Sciences, University of Kragujevac
ENVIRONMENTAL ASPECTS AND NOISE IN THE OPERATION OF A WATER JET CUTTING MACHINE	Viera Požidajeva, University of Mining & Geology, Sofia, Bulgaria, Katarina D. Živkovic, Mathematical High School, Belgrade, Dragan Živković, Technical College, Beograd
MEASURING THE ELECTROMAGNETIC FIELD IN URBAN AREAS	Svetislav Lazarev, Luka Nenadovic, Higher Technological School, Šabac
APPLICATION OF THE CONCEPT OF TRACEABILITY IN POSTAL SERVICE	Halid Žigić, Snežana Komatina- Petrović, European University-Brčko District
APPLICATION OF ICT AS A NECESSARY TOOL OF EMERGENCY RESPONSE IN URBAN AREAS	Vesela Radović, Faculty of Applied Security, University Educons, Bogdana Vujić, TF „Mihajlo Pupin“ Zrenjanin, Dušanka Lečić, Faculty of Business Economy, University Educons
IMPROVEMENTS IN ECE REGULATION FOR BETTER ASSESSMENT OF VEHICLE NOISE EMISSION IN URBAN AREAS	Slobodan Janković, TF „Mihajlo Pupin“ Zrenjanin, Velimir Petrović, IMR Institute, Belgrade, Vladimir Šinik, TF „Mihajlo Pupin“ Zrenjanin
THE SIGNIFICANCE OF BIOINDICATORS IN THE PREVENTION OF ENVIRONMENTAL DISASTERS	Judit Németh – Katona, Rejtő Sándor Faculty of Light Industry and Environmental Protection Engineering, Óbuda University, Hungary
REVIEW OF METHODS FOR OCCUPATIONAL AND ENVIRONMENTAL RISK ASSESSMENT	Evica Stojiljković, Srdjan Glisović, Tatjana Golubović, University of Niš, Faculty of Occupational Safety in Niš

15.00-16.00 Session 3

(AIR QUALITY, WATER QUALITY IN URBAN AREAS)

Chairman: Ph.D Mirjana Vojinović-Miloradov, Ph.D Ioana Ionel	
MODELING COMPETITION AMONG ACETICLASTIC METHANOGENIC SPECIES DURING ANAEROBIC DIGESTION OF MUNICIPAL BIOSOLIDS	Bryce Figdore, Washington University, CEE Dpt., USA, Vedat Yilmaz, Akdeniz University Env. Eng. Dpt. TURKEY, Yasemin D. Yilmazel, Metin Duran, Villanova University, CEE Dpt. USA
HUMAN HEALTH RISK ASSESSMENT OF AIR POLLUTANTS IN MOGILEV, REPUBLIC OF BELARUS	Tatsiana Krukouskaya, Mogilev State University of Food Technologies, Belarus
PROPOSAL FOR THE NOX REDUCTION USING A SNCR INSTALATION OPERATING ON A LIGNITE FIRED BOILERS FROM THE TIMISOARA POWER PLANT	Dulcea Daniel, Ioana Ionel, "Politehnica" University of Timisoara, Mechanical Engineering Faculty, Romania
AIR QUALITY IN URBAN AREAS IN SERBIA: CURRENT STATE AND LEGAL PROTECTION	Ana Batričević, Vera Batanjski, Institute of Criminological and Sociological Research, Serbia
AIR DISPERSION MODELING AS TOOL FOR CITY MANAGEMENT	Francisc Popescu, "Politehnica" University of Timișoara, Romania
A REAL TIME AIR POLLUTION DISPERSION MODELLING OF PC NUCLEAR FACILITIES OF SERBIA	Zoran Grsić, Public Company Nuclear Facilities of Serbia, Predrag Milutinović, Dalibor Arbutina, Mirosljub Milinčić, Dragan Dramlić, Zoran Velikić. Stefan Dramlić
NUTRIENT REMOVAL FROM DOMESTIC WASTEWATER BY PURE (<i>CHLORELLA VULGARIS</i>) AND MIXED ALGAL CULTURES	Gece Cansu Ogut, Burak Cakirlar, Baris Kaymak, Tuba Hande Erguder, Middle East Technical University, Turkey, Sibel Uludag-Demirer, Durmus Kaya, Karabuk University, Department of Environmental Engineering, Turkey, Goksel N. Demirer, Middle East Technical University, Turkey
COUPLED PROCESS OF NUTRIENT REMOVAL AND BIOGAS PRODUCTION USING <i>CHLORELLA VULGARIS</i>	Ozgul Calicioglu, Goksel N. Demirer, Middle East Technical University, Department of Environmental Engineering, Turkey
NATURAL REMOVAL OF SELECTED EMERGING POLUTANTS DUE TO THE RIVER BANK FILTRATION	Srđan Kovačević, Mirjana Vojinović Miloradov, Maja Sremački, Jelena Radonić, Faculty of Technical Sciences, University of Novi Sad, Anđelka Petković, Milan Dimkić, Jaroslav Černi Institute for the Development of Water Resources
IMPACT OF THERMAL POWER PLANTS "NIKOLA TESLA" ON SULPHUR DIOXIDE AIR POLLUTION IN BELGRADE	Dušan Todorović, Aleksandar Jovović, Dejan Radić, Marko Obradović, Nikola Karličić, Miroslav Stanojević, Francisc Popescu

15.00-16.00 Session 4

(SPATIAL PLANNING AND GREENING IN URBAN AREAS, CLIMATE CHANGES AND URBAN POLLUTIONS, PUBLIC HEALTH AND THE ECOLOGY OF URBAN AREAS)

Chairman: Ph.D Kiril Lisichov, Ph.D Alexandr Mironchik	
TOWARDS SUSTAINABLE URBAN MODEL – A FRAMEWORK FOR DEVELOPING INDICATORS FOR PLANNING AND DESIGNING NETWORKS OF GREEN SPACES IN URBAN CENTERS IN SERBIA	Slobodan Milutinović, Petar Vranić, Faculty of Occupational Safety, University of Niš, Milica Maksić, Institute of Urban Planning City of Niš
AN APPROACH FOR RESEARCHING URBAN AND METROPOLITAN AREAS UNDER THE CONDITIONS OF DYNAMIC CHANGES	Jasna, Petrić, Nikola Krunic, Institute of Architecture and Urban & Spatial Planning of Serbia
THE SOCIAL ASPECTS AND ROLE OF GREEN INFRASTRUCTURE IN MITIGATING CLIMATIC CHANGES AT REGIONAL LEVEL	Miglena Zhiyanski, Vania Doichinova, Forest Research Institute, Bulgarian Academy of Sciences, Konstantin Petrov, National Agency of Fisheries and Aquacultures, Ministry of agriculture and food, Bulgaria
INTEGRATED MONITORING SYSTEM OF LARGE ADMINISTRATIVE-ECONOMIC REGION IN TECHNOGENESIS	Alexandr Mironchik, Mogilev State University of Food Technologies, Belarus
SATELLITE OBSERVATION OF THE EARTH – A TOOL FOR CLIMATE CHANGES MITIGATION AND URBAN POLLUTION MANAGEMENT	Snežana Komatina Petrović, Halid Žigić, European University-Brčko District
ARROGANT URBANISM AND DISAPPEARING OF GREEN OASES IN RESIDENTIAL AREAS	Katarina Jevtić-Novaković, Marina Nikolić-Topalović, Sara Đalović, High school of building and surveying in Belgrade
MODERN ACQUISITION TECHNOLOGY OF SPATIAL DATA AS A BASIS OF URBAN PLANNING	Toša Ninkov, Vladimir Bulatović, Zoran Sušić, Dejan Vasić, Faculty of Technical Sciences, University of Novi Sad
PROJECT PEDAGOGY EFFECTIVENESS EVALUATION IN HIGHER EDUCATION	Rita Bodáné Kendrovics, Óbuda University, Rejtő Sándor Faculty of Light Industry and Environmental Protection, Hungary

**14.00-15.00 Poster session 1
(WATER QUALITY IN URBAN AREAS)**

N° Chairman: Ph. D Nina Đapić		
<u>1</u>	INFLUENCE OF ECOLOGICAL FACTORS TO PLANTS GROUPS IN INUDATION	Ivana Letić, Sciences Po Paris, France, Vesna Nikolić, Ljubomir Letić, Faculty of Forestry, University of Belgrade, Dusko Letić, TF „Mihajlo Pupin“ Zrenjanin, Petar Sekulić, Institute of Field and Vegetable Crops
<u>2</u>	HEAVY METAL REMOVAL FROM WATER/WASTEWATER BY NANOMATERIALS WITH POROUS AND POLYMER SUPPORTS	Aleksandra Šučurović, High Technical School, Zrenjanin, Jelena Tričković, PMF, Novi Sad, Danijela Jašin, Jelena Kiurski-Milošević, Ivana Marković, High Technical School, Zrenjanin
<u>3</u>	THE POTENTIAL OF CARBON NANOMATERIALS FOR REMOVAL OF HEAVY METALS FROM WATER/WASTEWATER	Aleksandra Šučurović, Danijela Jašin, Jelena Kiurski-Milošević, Ivana Marković, Gordana Ludajić, High Technical School, Zrenjanin
<u>4</u>	SORBENTS WITH MAGNETISM FOR FACILE SEPARATION HEAVY METALS FROM THE REACTION SYSTEMS	Aleksandra Šučurović, Jelena Tričković, PMF, Novi Sad, Danijela Jašin, Jelena Kiurski-Milošević, Dragan Halas, High Technical School, Zrenjanin
<u>5</u>	GROUNDWATER ARSENIC CONTAMINATION IN ZRENJANIN AREA	Jelena Kiurski-Milošević, High Technical School, Zrenjanin, Mirjana Vojinović Miloradov, FTN Novi Sad, Danijela Jašin, Aleksandra Šučurović, Gordana Ludajić, High Technical School, Zrenjanin
<u>6</u>	THE CONCEPTS OF WATER QUALITY	Milan Vujašanin, Goran V. Janjić, Institut of Chemistry, Technology and Metallurgy, University of Belgrade
<u>7</u>	INFLUENCE OF PROCESS PARAMETERS ON AERATION ENERGY CONSUMPTION IN AEROBIC BIOLOGICAL TREATMENT OF MUNICIPAL WASTEWATER	Stojan Simić, Branko Despotović, Snjezana Vujić, Oil Refinery Modriča, Bosnia and Herzegovina
<u>8</u>	URBAN RIVER WATER INFLUENCE ON SEASONAL POLLUTANTS FREE ENERGY OF CHANGES	Milan Pavlović, TF „Mihajlo Pupin“ Zrenjanin, Miladin Ševaljević, Technical High School in Zrenjanin, Mirjana Ševaljević, Tatjana Nikolin, High Technical School, Zrenjanin
<u>9</u>	INDICATORS OF HYDROGEN DEPOLARIZATION CURRENT AND OXYGEN SURFACE POLARIZATION SEASONAL CHANGE IN URBAN RIVER WATER	Petar Ševaljević, Petrol, Ljubljana, Slovenia, Desanka Tošić, Mirjana Ševaljević, Tatjana Nikolin, Natalija Aćin, High Technical School, Zrenjanin
<u>10</u>	THE STUDY OF SEASONAL DEPENDENCE OF NOM CONTENT IN GROUND WATER ON IRON AND MANGANESE	Protić Zoran, Isidora Protić, Natalija Aćin, Technical High School Zrenjanin, Mirjana Ševaljević
<u>11</u>	OPTIMIZATION OF THE GREEN-PROCESS OF AMMONIA REMOVAL FROM WASTEWATER USING NANOPOROUS SORBENT	Kiril Lisichkov, Stefan Kuvendziev, Mirko Marinkovski, Gjorgji Zhezhov, Goran Nachevski, Faculty of Technology and Metallurgy, University “Ss. Cyril and Methodius” Skopje, Macedonia, Snezana Filip, TF „Mihajlo Pupin“ Zrenjanin
<u>12</u>	ENVIRONMENTAL MANAGEMENT SYSTEMS IN URBAN AREAS - PROCESS OF ISO 14000 STANDARDS SERIES IMPLEMENTATION	Živko Kondić, Veljko Kondić, Polytechnic of Varaždin, Croatia, Milan Kljajin, J. J. Strossmayer University of Osijek, Mechanical Engineering Faculty in Slavonski Brod, Croatia, Milan Opalić, University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, Croatia
<u>13</u>	GAS CHROMATOGRAPHY SCREENING OF ORGANIC POLLUTANTS AND CHARACTERISATION OF NATURAL ORGANIC MATTERS PRESENT IN DANUBE WATER	Olivera Paunović, PMF, Novi Sad
<u>14</u>	EFFECTS OF NITRIFICATION INHIBITORS AND NITRATE SOURCES ON ROOT COLONIZATION OF FABA BEAN BY RHIZOBIUM LEGUMINOSARUM	Hosam Bayoumi Hamuda, Institute of Environmental Protection Engineering, Rejtő Sándor Faculty of Light Industry and Environmental Protection Engineering, Óbuda University, Hungary
<u>15</u>	THE ASSESSMENT OF THE DANUBE AND TISZA WATER QUALITY IN SERBIA	Svetlana Vujović, Srđan Kolaković, Borislav Mašić, Slobodan Kolaković, Goran Jeftenić, Faculty of Technical Science, Novi Sad

N° Chairman: Ph. D Vladimir Šinik		
1	POSSIBILITY OF USAGE OF WIND AS ENERGY	Ivan Đurić, Ministry of Economy-management duties Šabac
2	IMPACT EXHAUST EMISSIONS OF MOTOR VEHICLES ON AIR QUALITY IN URBAN AREAS	Stojan Simic, Oil Refinery Modrica, Bosnia and Herzegovina, Miroslav Stanojevic, Faculty of Mechanical Engineering, Belgrade, Branko Despotovic, Oil Refinery Modrica, Bosnia and Herzegovina
3	DISTRIBUTION CONCENTRATIONS OF SULFUR DIOXIDE IN THE ATMOSPHERE OF THE POINT SOURCE	Stevo Jaćimovski, Slobodan Miladinović, Radovan Radovanović, Venezija Ilijazi, Belgrade Police Academy
4	MATHEMATICAL MODELS IN ANALYSIS DISTRIBUTION OF THE AIR POLLUTION	Stevo Jaćimovski, Belgrade Police Academy, Vjekoslav Sajfert, TF „Mihajlo Pupin“ Zrenjanin, Jovan Šetrajčić, PMF Novi Sad, Marija Jaćimovski, Faculty of Technical Science, Novi Sad
5	DIAGNOSTICS OF AIR POLLUTANT REMOVAL POTENTIAL INFLUENCE ON ENERGY EFFICIENCY OF POLLUTANT INTRODUCTION	Milan Pavlović, TF „Mihajlo Pupin“ Zrenjanin, Ioana Ionel, University „Politehnica“, Romania, Mirjana Ševaljević
6	AIR QUALITY MONITORING IN ZRENJANIN	Igor Rodjenkov, TF „Mihajlo Pupin“ Zrenjanin,
7	MODEL OF REDUCED DESTRUCTIVE EFFECTS INFLAMMABLE-EXPLOSIVE CLOUD INCREASING THE PRESSURE IN THE SPACE	Vojkan M. Zoric, Ministry of Interior, DCP-National Criminalistic-Technical Center, Igor J. Setrajcic, Faculty of Technical Science Novi Sad
8	ROD PICKER – A NOVEL SOLUTION FOR SHORT ROTATION COPPICE PLANTATIONS	Ioana Ionel, Dumitru Tucui, Raul Ionel, Sorin Nanu, University "Politehnica" Romania
9	LASER APPLICATIONS IN SOME ECOLOGICAL PURPOSES (LASER CLEANING AND ISOTOPE SEPARATION) WITH LINEAR AND NONLINEAR PHENOMENA AND LIDAR METHODS	Milesa Srećković, Faculty of Electrical Engineering, University of Belgrade, Sanja Jevtić, Arhi Pro, Belgrade, Zoran Fidanovski, RAF, Belgrade, Željka Tomić, Taurunum, Belgrade, Nikola Slavković, Information and Communication College, Vjekoslav Sajfert, Đurđe Milanović, Megatrend University, Belgrade, Stanko Ostojić, Faculty of Metallurgy and Technology, Belgrade, Nebojša Mitrović, Technical faculty, University of Kragujevac
10	OPTICAL AND LASER METHODS IN SUGAR CONTENTS MEASUREMENTS AND DIAGNOSTICS IN VARIOUS APPLICATION	Veljko Zarubica, Analysis, d.o.o. Belgrade Milesa Srećković, Vjekoslav Sajfert, Dragan Marinović, Miomir Vasiljević, Jaroslav Černi, Beograd, Djurdje Milanović, Sanja Jevtić, ZTS Belgrade, Slobodan Obradović, ETF East Sarajevo, Srđan Milanović, Faculty of Mechanical Engineering, Belgrade
11	EXPOSURE ASSESSMENT FOR THE CHARACTERIZATION OF HEALTH RISK FROM AIR POLLUTION	Amelija Đorđević, Lidija Milošević, Ivan Krstić, Marija Rašić, Faculty of Occupational Safety in Niš
12	ENVIRONMENTAL IMPACT ASSESSMENT OF ACCIDENTS IN FOOD PROCESSING INDUSTRY – EXAMPLES OF GOOD ENGINEERING PRACTICE	Tatjana Golubović, Srdjan Glisović, Evica Stojiljković, Faculty of Occupational Safety, University of Nis
13	CHANNEL TYPE UV REACTOR FOR SUGAR SYRUP STERILIZATION	Đurđe Milanović, Megatrend University, Belgrade, Vjekoslav Sajfert, Slobodan Obradović, ETF East Sarajevo, Srđan Milanović, Ivan Kunosić Faculty of Mechanical Engineering, Belgrade
14	ENVIROBANAT - BANAT SUSTAINABLE DEVELOPMENT BY SCIENTIFIC RESEARCH AND ENVIRONMENTAL PROTECTION	Francisc Popescu, Milan Pavlović, Dorin Lelea, Aleksandar Djuric, Gavriela Trif-Tordai, Milan Nikolić, Adrian Eugen Cioabla, Bogdana Vujić, Ioan Laza, Branko Davidović, Dejan Djordjević, Olivia Bundau, Marko Simić, Aleksandar Pavlović, Marinela Baluț, Gavril Brateanu
15	ASSESSMENT OF VOLUME OF COMMUNAL WASTEWATER IN AUTONOMOUS PROVINCE OF VOJVODINA	Duško Medić, Center for Sustainable Communities

16.00-17.00 Poster session 3
(MANAGEMENT OF SOLID URBAN WASTE, ELECTRO AND ELECTRO-MAGNETIC POLLUTION IN URBAN AREAS, NANOTECHNOLOGY IN URBAN AREAS)

N ^o Chairman: Ph. D Duško Letić		
<u>1</u>	POSSIBILITY OF OBTAINING ENERGY FROM NANOTECHNOLOGY	Vjekoslav Sajfert, TF „Mihajlo Pupin“ Zrenjanin, Dušan Popov, University „Politehnica“, Romania, Dragana Sajfert
<u>2</u>	NANOSCIENCE, NANOTECHNOLOGY AND ECOLOGY	Vjekoslav Sajfert, TF „Mihajlo Pupin“ Zrenjanin, Jovan P. Šetrajić,FTN, Novi Sad, Stevo K. Jaćimovski, KPA, Zemun, Branimir Sajfert, Nicolina Pop, University „Politehnica“, Romania
<u>3</u>	RADIATION OF ELECTROMAGNETIC FIELDS AT RADIO FREQUENCIES	Kemal Dervić, KesatNet, Pljevlja, Montenegro, Vladimir Šinik, TF „Mihajlo Pupin“ Zrenjanin, Željko Despotović, Institute “Mihajlo Pupin, Belgrade, Momčilo Bjelica, Vojin Kerleta, TF „Mihajlo Pupin“ Zrenjanin
<u>4</u>	RADIOFREQUENCY RADIATION OF GSM NETWORKS	Vladimir Šinik, TF „Mihajlo Pupin“ Zrenjanin, Željko Despotović, Institute “Mihajlo Pupin, Belgrade, Momčilo Bjelica, Vojin Kerleta, TF „Mihajlo Pupin“ Zrenjanin
<u>5</u>	DECREASING VULNERABILITY OF RECYCLING SYSTEM OF ELV IN SERBIA THROUGH THE INTEGRATION PROCESS	Slavko Arsovski, Aleksić Aleksandar, Lazić Miodrag, Danijela Tadić, Faculty of Engineering, University of Kragujevac
<u>6</u>	THE UTILIZATION OF RECYCLED PULYETHYLENE TEREPHTHALATE (PET) AS A MATERIAL IN THE BUILDING INDUSTRY	Aleksandar Tomović, Zlatibor Veljković, Milan Pavlović, TF „Mihajlo Pupin“ Zrenjanin, Dragan Jevtić, Ministry of urban planning, construction and ecology of the Republic Srpska, Marko Simić, Vaso Manojlović, TF „Mihajlo Pupin“ Zrenjanin
<u>7</u>	COST ANALYSIS OF FACILITY FOR TREATMENT INFECTIOUS MEDICAL WASTEIN THE BIJELJINA REGION	Slobodan Trifković, NGO „Centre for environmental protection and sustainable development“ Bijeljina, Republika Srpska, Aleksandar Djurić, TF „Mihajlo Pupin“ Zrenjanin
<u>8</u>	INVESTIGATION OF POSSIBILITIES OF EAFD PRETREATMENT BY PELLETIZATION AND HEAT TREATMENT FOR ZINC VALORIZATION	Marko Filipović, TF „Mihajlo Pupin“ Zrenjanin, Željko Kamberović, Faculty of Technology and Metallurgy,Belgrade, Zoran Anđić, Innovation Centre of the Faculty of Chemistry, Belgrade, Marija Korać, Faculty of Technology and Metallurgy, Belgrade, Milan Pavlović
<u>9</u>	TREATMENT OF NON-STANDARD IRON BEARING WASTE MATERIALS IN DC PLASMA FURNACE-MODELLING OF OFF-GAS COMPOSITION AND COMPARISON WITH REAL MEASUREMENTS	Vaso Manojlović; ITNMS Belgrade, Željko Kamberović; Dragana Ivšić-Bajčeta; Marija Korać; Faculty of Technology and Metallurgy, Belgrade, Milan Pavlović; Marko Simić; Aleksandar Tomović, TF „Mihajlo Pupin“ Zrenjanin
<u>10</u>	FACTORS THAT INFLUENCE THE VULNERABILITY OF THE MOTOR VEHICLES RECYCLING SYSTEM IN SERBIA	Aleksandar Tomović, Marko Simić, Milan Pavlović, TF „Mihajlo Pupin“ Zrenjanin Aleksandar Pavlović, PFB Design
<u>11</u>	REGIONAL CLUSTER AS AN ORGANIZATIONAL MODEL FOR INCREASING THE EFFICIENCY OF THE MOTOR VEHICLES RECYCLING	Marko Simić, Milan Pavlović, Aleksandar Tomović, Marko Filipović,TF „Mihajlo Pupin“ Zrenjanin
<u>12</u>	SUSTAINABILITY OF RECYCLING IN VIEW OF ENERGY EFFICIENCY IN THE END-LIFE VEHICLE (ELV)	Dragiša Tolmač, Jasna Tolmač, Slavica Prvulović, Milan Pavlović, TF „Mihajlo Pupin“ Zrenjanin
<u>13</u>	POLYOLEFINS' PROCESSING IN TERMS OF ENVIRONMENTAL PROTECTION	Nina Đapić, Zlatibor Veljković, TF „Mihajlo Pupin“ Zrenjanin
<u>14</u>	TEXTILE RECYCLING	Filip Snežana, Sindelić Stanislava, Kazi Zoltan, TF „Mihajlo Pupin“ Zrenjanin



3RD INTERNATIONAL CONFERENCE „ECOLOGY OF URBAN AREAS 2013“

17.00-18.00 Poster session 4

(DEVELOPMENT OF URBAN ECOLOGY THROUGH EDUCATIVE AND INFORMATION ACTIVITIES, PUBLIC HEALTH AND THE ECOLOGY OF URBAN AREAS)

N ^o	Chairman: Ph. D Nina Đapić	
1	ECOLOGICAL ASPECTS OF ENGINEERING DESIGN	Eleonora Desnica, Milan Nikolić, Edit Terek, TF „Mihajlo Pupin“ Zrenjanin
2	PROMOTION AND VISIBILITY OF PROJECTS IN THE FIELD OF ENVIRONMENTAL PROTECTION	Milan Nikolić, Dejan Đorđević, Edit Terek, TF „Mihajlo Pupin“ Zrenjanin
3	USING BASELOG SYSTEM IN ECOLOGY	Zoltan Kazi, Biljana Radulović, Ivana Berković, TF „Mihajlo Pupin“ Zrenjanin
4	ENGLISH VOCABULARY PRACTICE FOR STUDENTS OF ECOLOGY	Erika Tobolka, TF „Mihajlo Pupin“ Zrenjanin
5	LABORATORY APPROACH REGARDING THE USAGE OF AGRICULTURAL BIOMASS FOR BIOGAS PRODUCTION	Adrian Eugen Cioablă, Gabriela-Alina Dumitreț, Francisc Popescu, Delia Gabriela Călinoiu, „Politehnica“ University of Timișoara, Aleksandar Djurić, TF „Mihajlo Pupin“ Zrenjanin
6	CASE STUDY ON PH VARIATION IN ANAEROBIC FERMENTATION AT SMALL SCALE	Adrian Eugen Cioablă, Gabriela-Alina Dumitreț, Gavrița Trif-Tordai, Ioana Ionel, Dorin Lelea, Francisc Popescu, „Politehnica“ University, Romania
7	GENERAL CHARACTERISTICS OF ANIMAL PROTECTION FROM KILLING AND ABUSE IN SERBIAN LEGAL SYSTEM	Nadežda Ljubojev, Dragica Ivin, TF „Mihajlo Pupin“ Zrenjanin, Marijana Dukic-Mijatovic, University of Business Academy, Law Faculty of Economics and Justice
8	KINETICS OF CRYSTALLIZATION OF ZEOLITES OBTAINED FROM WHITE OPALIZED TUFF	B.Cekova , I. Nasev, V. Markoska, Faculty of management of ecological resources, MIT University, Republic of Macedonia
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