

**ORGANIZER:**  
**University of Belgrade Technical faculty Bor**

**Co-ORGANIZERS:**

**University of Zagreb Faculty of Metallurgy – Sisak**

**University in Banja Luka, Faculty of Technology - Banja Luka**

**University Christian "Dimitrie Cantemir" Faculty of Management in  
Tourism and Commerce - Timisoara**

**University of Pristina Faculty of Technical Science - Kosovska Mitrovica**

**Institute for Nature Conservation of Serbia - Belgrade**

**Society of Young Researchers – Bor**



**XXIV International Conference  
"ECOLOGICAL TRUTH"**

***Eco-Ist'16***

**PROGRAM**

**Hotel "Breza", VRNJACKA BANJA  
Serbia**

**12 - 15 June 2016**

General sponsor:

*The Ministry of Education, Science and Technological  
Development of the Republic of Serbia*

**COMMITTEES**

**HONORARY COMMITTEE**

Emeritus Prof. dr Stevan Stankovic, Belgrade, President  
Dr Petar Paunovic, Zajecar  
Prof. dr Miodrag Miljkovic, Bor  
Prof. dr Novica Randjelovic, Nis  
Prof. dr Zvonimir Stankovic, Bor  
Dr Miodrag Todorovic, Zajecar  
Mihajlo Stankovic, S. Mitrovica

**PROGRAM COMMITTEE**

Prof. dr Dragana Zivkovic, UB TF Bor  
Prof. dr Radoje Pantovic, UB TF Bor  
Prof. dr Zoran S. Markovic, UB TF Bor  
Prof. dr Snezana Serbula, UB TF Bor  
Prof. dr Mirjana Rajcic-Vujasinovic, UB TF Bor  
Dragan Randjelovic, Spec. MBA

**SCIENTIFIC COMMITTEES**

Prof. dr Dragana Zivkovic, President  
Prof. dr Radoje Pantovic, Vice President  
Prof. dr Zoran S. Markovic, Vice President

**International Committee**

Prof. dr Hami Alpas, Middle East Tech. Univ., Ankara (TURKEY)  
Prof. dr Gerassimos Arapis, Univ. of Athenas, Athenas (GREECE)  
Prof. dr Roberto E. Villas Boas, Ministerio da ciencia (BRASIL)  
Prof. dr Mladen Brncic, Univ. of Zagreb, Zagreb (CROATIA)  
Prof. dr Ilhan Bušatlić, Univ. of Zenica, Faculty of met. and materials (B&H)  
Prof. dr Risto Dambov, Univ. "Goce Delcev" Stip (FRY MACEDONIA)  
Dr Kremena Dedelyanova, STUMGM, Sofia (BULGARIA)  
Prof. dr Genc Demi, Univ. of Tirana, Tirana (ALBANIA)  
Prof. dr Zoran Despodov, Univ. "Goce Delcev", Stip (FRY MACEDONIA)  
Doc. dr Natalija Dolić, Univ. of Zagreb, MF, Sisak (CROATIA)  
Prof. dr Antonello Garzoni, Libera Univ. Mediterranea, Bari (ITALY)  
Prof. dr Violeta Holmes, Univ. of Huddersfield (UK)  
Prof. dr Slavomir Hredzak, Slovak Academy of Science, Kosice (SLOVAKIA)  
Prof. dr Rajko Igic, JSHCC, Chicago (USA)  
Prof. dr Totyo Iliev, TU, Gabrovo (BULGARIA)  
Dr Florian Kongoli, Flogen Technologies, Inc., (CANADA/USA)  
Dr Marius Kovacs, INCD INSEMEX, Petroşani (ROMANIA)  
Prof. dr Jakob Lamut, Univ. Lj FNT, Ljubljana (SLOVENIA)  
Prof. dr Ladislav Lazic, Univ. of Zagreb, MF, Sisak (CROATIA)  
Dr Aleksander Lutyński, Silesian University of Technology, Gliwice (POLAND)  
Prof. dr Konstantinos Matis, Aristotle Univ., Thessaloniki (GREECE)  
Prof. dr Marius Miculescu, FMTC, Timisoara (ROMANIA)  
Prof. dr Mirela Mazilu, Univ. of Craiova (ROMANIA)  
Prof. dr B. K. Mishra, Director CSIR-IMMT, Bhubaneswar (INDIA)  
Prof. dr Irena Nikolić, UMN, FMT, Podgorica (MONTENEGRO)  
Prof. dr Ivan Nishkov, Univ. of Min. & Geol. "St Ivan Rilski", Sofia (BULGARIA)  
Prof. dr Adila Nuric, Univ. of Tuzla, RGGF, Tuzla (B&H)  
Prof. dr Samir Nuric, Univ. of Tuzla, RGGF, Tuzla (B&H)  
Prof. dr Guven Onal, Techn. Univ., Istanbul (TURKEY)  
Prof. dr Jelena Penavin-Skudric, UBL, Faculty of Tech, Banja Luka, RS (B&H)

Prof. dr Jelena Pjescic, UMN, FMT, Podgorica (MONTENEGRO)  
Prof. dr Helena Prosen, University of Ljubljana, FCCT, Ljubljana (SLOVENIA)  
Prof. dr. Svilen Ratchev, TU, Gabrovo (BULGARIA)  
Prof. dr Cipriana Sava, FMTC, Timisoara (ROMANIA)  
Prof. dr Umrhan Seven Erdemir, Uludag University, FAS, Bursa (TURKEY)  
Prof. dr Slavica Sladojevic, Univ. of Banja Luka, TF, Banja Luka, RS (B&H)  
Prof. dr Petr Solzhenkin, Russian Academy of Science, Moscow (RUSSIA)  
Prof. dr Nada Sumatic, Faculty of Forestry, Banja Luka, RS (B&H)  
Prof. dr Barbara Tora, Academy GH, Krakow (POLAND)  
Prof. dr Darko Vuksanovic, UMN, FMT, Podgorica (MONTENEGRO)  
Prof. dr Jim Yip, College of Science & Technology, Salford (UK)  
Prof. dr Jacques Yvon, ENSG, Nancy (FRANCE)

**Local Committee**

Prof. dr Grozdanka Bogdanovic, UB TF, Bor  
Prof. dr Mile Dimitrijevic, UB TF, Bor  
Prof. dr Gordana Drazic, Faculty Futura, Belgrade  
Prof. dr Dejan Filipovic, UB GF, Belgrade  
Prof. dr Predrag Jaksic, UNI PMF, Nis  
Prof. dr Djordje Janicijevic, UB TMF, Belgrade  
Prof. dr Zeljko Kamberovic, UB TMF, Belgrade  
Prof. dr Milena Kostovic, UB RGF, Belgrade  
Dr Dejan Kozelj, Rakita Exploration, Bor  
Dr Dragan Milanovic, IRM, Bor  
Prof. dr Snezana Milic, UB TF, Bor  
Prof. dr Dusko Minic, UP FTS, K. Mitrovica  
Prof. dr Maja Nikolic, UNI MF, Nis  
Dr Nina Obradovic, ITN SANU, Belgrade  
Prof. dr Slavisa Putic, UB TMF, Belgrade  
Prof. dr Ivica Radovic, UB FB, Belgrade  
Prof. dr Vesela Radovic, UB IRM, Belgrade  
Prof. dr Ivica Ristic, UB RGF, Belgrade  
Prof. dr Mirjana Rajcic-Vujasinovic, UB TF, Bor  
Prof. dr Novica Staletovic, FEZZS, Belgrade  
Prof. dr Nenad Stavretovic, UB FF, Beograd  
Prof. dr Snezana Serbula, UB TF, Bor  
Prof. dr Jasmina Stevanovic, IHTM, Belgrade  
Prof. dr Dejan V. Stojanovic, UNS Inst. for lowland forestry, Novi Sad  
Dr Mirjana Stojanovic, ITNMS, Beograd  
Prof. dr Nada Strbac, UB TF, Bor  
Prof. dr Dejan Tanikic, UB TF, Bor  
Prof. dr Milan Trumic, UB TF, Bor  
Prof. dr Snezana Urosevic, UB TF, Bor  
Prof. dr Nebojsa Vidanovic, UB RGF, Belgrade  
Prof. dr Maja Vukasinovic-Sekulic, UB TMF, Belgrade  
Prof. dr Miodrag Zikic, UB TF Bor

**ORGANIZING COMMITTEE**

Prof. dr Radoje V. Pantovic, President  
Prof. dr Zoran S. Markovic, Vice President  
Prof. dr Snezana Serbula, Vice President  
Prof. dr Snezna Urosevic  
Doc. dr Sasa Stojadinovic  
Doc. dr Dejan Petrovic  
Dragan Randjelovic, MBA

## WELCOME ADDRESS

Dear Colleagues,  
Organizing Committee invites you to the XXIV International Conference "ECOLOGICAL TRUTH" Eco-Ist'16 which will be held at Hotel "Breza", Vrnjacka banja, Serbia.



President of the Organizing Committee  
Prof. dr Radoje Pantović  
University of Belgrade  
Technical faculty Bor

## TIME AND VENUE

XXIV Int. Conference "ECOLOGICAL TRUTH" - Eco-Ist'16 will be held at Hotel "Breza", Vrnjacka banja, from 12 - 15 June 2016.

## MAIN TOPICS

- Protection and preservation of natural resources
- Technologies, wastes recycling and the environment
- Soil and water conservation engineering
- Energy efficiency, environment and climate
- Nutrition and health
- Agriculture: agribusiness, agroengineering and organic food production
- Ecological management and ecological education
- Environmental impact assessment
- Preventive medicine and ecology

## ORGANIZATION OF WORK

The work will be organized in plenary sessions and in sections (oral and poster). The lectures in plenary sessions will be given by invited lecturers. Papers will be presented orally in sections or in poster sessions. The presentation of papers is limited to 10 minutes. Posters should be sized 70 x 100 cm. The poster should be laid out neatly, with large print for easy viewing from the distance of 1,5 m up to 2 m.

## CONFERENCE LANGUAGE

The Conference language will be English and Serbian with simultaneous translation.

## EXHIBITION

An exhibition will be held during the Conference in the exhibition hall, which will be a good opportunity for the companies dealing with Eco-Ist'16 topics and the related fields to introduce their products and services. It will be open throughout the Eco-Ist'16 Conference. Details will be sent to the companies interested in participation. Exhibition fee of €200 per one delegate includes exhibition booth, Proceedings and other material, cocktail, banquet and refreshments during the breaks. Additional fee for other delegates is €100 per person.

## TRIP

Trip to the tourist sites in Vrnjacka Banja surroundings will be organized on the last day of the Conference.

## REGISTRATION FEE

Registration fee is € 120 for foreign participants and 14 000 RSD for participants from Serbia.

The registration fee includes: the Proceedings (book + CD), other materials, welcoming cocktail, banquet dinner, refreshments during the breaks and trip.

The registration fee for accompanying persons is €80 and for domestic companions is 9 000 RSD. That includes welcoming cocktail party, banquet dinner, refreshments during the breaks and attendance at the conference.

The registration fee should be paid through the following bank account:

- a) For domestic participants (in dinars payments):  
Technical faculty Bor no: 840-1478666-37 with reference to 172.
- b) For foreign participants payment in Euros is to be made according to the following instructions (for Euro payments):  
SWIFT MESSAGE MT103 FOR MAKING PAYMENT IN EUR:  
FIELD 32A: VALUE DATE-CURRENCY-AMOUNT  
FIELD 50K: ORDERING CUSTOMER  
FIELD 56A: DEUTDEFF  
Intermediary /DE20500700100935930800  
FIELD 57A: NBSRRSBG acc. with bank  
FIELD 59: /RS35908500100000777745  
Beneficiary TEHNICKI FAKULTET BOR  
FIELD 70: details of payments

**The registration fee may be, also paid during the registration on the Eco-Ist'16 desk.**

## ACCOMMODATION OF PARTICIPANTS

All conference participants can be accommodated in the hotel "Breza" <http://www.hotelbreza.mod.gov.rs>. For Hotel information and reservations, please contact the Hotel directly:

- by phone: +381 036 602 144, +381 036 612 400
- by cell phone: +381 064 8591 209, +381 065 6610 912
- by fax: +381 036 612 401
- by e-mail: [info@hotelbreza.rs](mailto:info@hotelbreza.rs)

For conference participants are provided a favorable accommodation rates

## INVITATION LETTER

Organizing Committee Eco-Ist'16 will issue letters of invitation to individuals who need such a document to raise travel funds or obtain a visa. However such letters do not commit Eco-Ist'16 to provide financial support. Requests for letters of invitation should be sent to Organizing Committee to [office@eco-ist.rs](mailto:office@eco-ist.rs)

## PERSONAL INSURANCE

The organizers cannot be held responsible for accidents to Eco-Ist'16 participants or accompanying persons, for damage, or loss of their personal property or for cancellation expenses, regardless of cause. Participants should therefore make their own insurance arrangements.

### For further information please contact:

Prof. dr Radoje Pantović +381 69 1963 263  
Prof. dr Zoran Marković +381 64 9440515

e-mail: [info@eco-ist.rs](mailto:info@eco-ist.rs)  
[www.eco-ist.rs](http://www.eco-ist.rs)

## ECO-IST OFFICE

The Eco-Ist'16 office will be open on:

12 June 2016 from 17:00 to 19:00  
13 June 2016 from 08:00 to 19:00  
14 June 2016 from 08:00 to 19:00

TIME TABLE

	Monday 12. 06. 2016.	Thursday 13. 06. 2016.	Wednesday 14. 06. 2016.	Thursday 15. 06. 2016.
<i>Eco-Ist'16 Office registration</i>	15:00 19:00	08:00 19:00	08:00 19:00	
<i>Opening Ceremony</i>		10:00 10:30		
<i>Plenary lecture</i>		10:30 12:00		
<i>Welcoming Cocktail</i>		12:00 13:00		
<i>Session I</i>		14:00 16:00		
<i>Session II</i>		16:30 18:30		
<i>Eco-Ist'16 Banquet dinner</i>		20:00 24:00		
<i>Session III</i>			09:00 10:30	
<i>Session IV</i>			11:00 13:00	
<i>Session V</i>			14:00 16:00	
<i>Poster Session</i>			16:30 18:30	
<i>Closing ceremony</i>			18:30 19:00	
<i>Trip</i>				08:30 14:00

GENERAL PROGRAM

Monday 12. 06. 2016.

15:00 – 19:00 – Registration of participants  
Conference desk

Tuesday 13. 06. 2016

08:00 – 19:00 – Registration of participants  
Conference desk  
10:00 – 10:30 – Opening Ceremony  
Conference room  
10:30 – 12:00 – Plenary lecture  
Conference room  
12:00 – 13:00 – Welcoming Cocktail  
13:00 – 14:00 – Lunch  
Restaurant  
14:00 – 16:00 – Session I  
Conference room  
16:00 – 16:30 – Coffee break  
16:30 – 18:30 – Session II  
Conference room  
20:00 – 24:00 - Eco-Ist '16 Banquet-dinner  
Restaurant

Wednesday 14. 06. 2016.

08:00 – 19:00 – Registration of participants  
Conference desk  
09:00 – 10:30 – Session III  
Conference room  
10:30 – 11:00 – Coffee break  
11:00 – 13:00 – Session IV  
Conference room  
13:00 – 14:00 – Lunch  
Restaurant  
14:00 – 16:00 – Session V  
Conference room  
16:00 – 16:30 – Coffee break  
16:30 – 18:30 – Poster Session  
Hall Hotel  
18:30 – 19:00 – Closing ceremony

Thursday 15. 06. 2016.

08:30 – 14:00 – Trip

OPENING CEREMONY  
of the XXIV International Conference  
"Ecological Truth" Eco-Ist'16

Monday 13. 06. 2016, 10:00 – 11:30, Conference room

Plenary Lecture

Monday 13. 06. 2016, 10:30 – 12:00, Conference room

*Blagoje Spaskovski*  
INTRODUCTORY LECTURE

*Tihomir Popovic, B. Jovic, J. Knezevic*  
INITIAL IMPACT OF NEW BOR COPPER SMELTER ON AIR QUALITY

*Florian Kongoli*  
THE ECOLOGICAL TRUTH AND VARIOUS SCIENTIFIC, ECONOMIC  
AND SOCIAL APPROACHES TOWARDS IT

*Dejan V. Stojanovic*  
NATIONAL ENTOMOLOGICAL MUSEUM AT FRUSKA GORA

*Ivana Smiciklas*  
POTENTIAL APPLICATION OF WASTE MATERIALS AS SORBENTS  
FOR PURIFYING RADIONUCLIDE AND HEAVY METAL LADEN  
WATER

*Djurdjica Stojanovic, V. Knezevic*  
LOGISTICS OPERATORS IN WASTE MANAGEMENT IN  
THE REPUBLIC OF SERBIA

12:00 – 13:00 – Welcoming Cocktail

13:00 – 14:00 – Lunch

Session I

Monday 13. 06. 2016.

14:00 – 16:00

*Chair Perssons: Irena Nikolic, Marius Kovacs*

*Dusanka Miljkovic, G. Lazić, B. Todorovic, M. Popovic*  
THE POSITIVE EFFECTS OF THE NEW TECHNOLOGY TO THE AIR  
POLLUTION CAUSED BY SO<sub>2</sub> IN BOR AND ITS SURROUNDINGS

*Biljana Jovanovic, B. Todorovic*  
ATMOSPHERIC PARTICULATE MATTER CONCENTRATION  
AND THEIR HEAVY METAL CONTENT IN BOR, SERBIA

## Session III

Tuesday 14. 06. 2016.

09:00 – 10:30

**Chair Perssons: Helena Prosen, Borislav Malinovic**

*Nenad Stavretovic, K. Buvac, N. Karanac, S. Tilinger*  
OPENING SMALL AND MEDIUM SIZED COMPANIES IN THE FIELD OF LANDSCAPE ARCHITECTURE AND HORTICULTURE

*Mihajlo Stankovic*  
THE AMENDMENT LEAVES SPECIES DIVERSITY OF FAUNA INVERTEBRATA SPECIAL NATURE RESERVE ZASAVICA

*Helena Prosen, M. Starc, S. Ognjanovic*  
SORPTION AND PHOTODEGRADATION OF NEONICOTINOID INSECTICIDES IN SOIL

*Artem V. Kolesnikov, E. N. Gaidukov, V. A. Kolesnikov*  
EXTRACTION AND SEPARATION OF SPARINGLY LANTHANUM AND CERIUM COMPOUNDS FROM AQUEOUS SOLUTIONS USING ELECTROCHEMICAL METHODS

*Marijana Saric, M. Domazet, S. Leovac, N. Vranic, S. Andric*  
FLOATING LANDFILLS IN ACCUMULATIONS OF 'DRINSKO-LIMSKE HYDROPOWER PLANTS'

*Novica Momcilovic, J. Vukasinovic*  
UNDERGROUND AND SURFACE WATER PROTECTION OF HEATING FACILITY VREOCI POLLUTANTS, BY USING HDPE GEOMEMBRANES

*Vesna Djurovic, S. Tanaskovic, D. Djukic, L. Mandic, S. Gvozdenac, D. Knezevic*  
WATER QUALITY AND ECOLOGICAL STATUS OF THE TRIBUTARIES OF WESTERN MORAVA IN THE ČAČAK AND KRALJEVO REGION

*Gordana Sekularac, R. Ristic, D. Markovic*  
CALCULATION OF THE SEDIMENT YIELD OF THE COLOVICA BROOK CATCHMENT, WESTERN SERBIA

*Gordana Sekularac, R. Ristic, M. Djuric, M. Aksic, D. Markovic, N. Gudzic, B. Pejic*  
NATURAL AND ANTROPOGENIC INFLUENCE ON THE SOIL EROSION INTENSITY IN THE KARAUJSKI BROOK CATCHMENT – WESTERN SERBIA

*Borislav N. Malinovic, T. Malinovic, S. Bunic*  
TREATMENT OF WASTEWATER CONTAINING CYANIDES IN A FLOW ELECTROCHEMICAL REACTOR

10:30 – 11:00 – Coffee break

*Ladislav Lazic, M. Lovrenic Jugovic, A. Varga, J. Kizek*  
IMPROVING ENERGY EFFICIENCY OF FIRED HEATER BY HIGH EMISSIVITY COATING

*Zdravko Praunseis*  
AN INFLUENCE OF DOMINANT ENERGY EFFICIENCY FACTORS ON ENERGY RENOVATION OF AN OLDER HOUSE

*Marcin A. Lutynski, M. A. Gonzalez, J. Szczepanski, P. Stomski*  
SHALE GAS POTENTIAL AND METHODS OF GAS CONTENT MEASUREMENT IN POLAND

*Ivana Jelic, D. Antonijevic, G. Drazic, J. Aleksic, I. Petric*  
UTILIZATION OF *MISCANTHUS GIGANTEUS* AS THERMAL INSULATION MATERIAL

*Stevo Jacimovski, J. Setrajcic, R. Radovanovic, S. Miladinovic*  
ANALYSIS OF AIR POLLUTION FROM POINT SOURCES ON THE EXAMPLE OF STEEL PLANT SMEDEREVO

*Slobodan Miladinovic, S. Jacimovski*  
AIR POLLUTION ANALYSIS OF STEEL PLANT ZELEZARA SMEDEREVO AND THERMAL POWER PLANT KOSTOLAC AND ASSESSMENT OF ENVIRONMENTAL IMPACT ON SMEDEREVO-POZAREVAC DANUBE REGION

*Gracijan Strainovic, Z. Markovic, Z. Stirbanovic*  
FLOTATION RECOVERY OF COPPER MINERALS BY DIFFERENT KIND OF COLLECTORS AND FEED FINES

*Irma Dervisevic, A. Dervisevic*  
CHARACTERIZATION OF PCBS OF COMPUTER AND MOBILE PHONE, RECYCLING AND SEPARATION OF GOLD AND SILVER

*Ivan Ristic, T. Erceg, I. Krakovsky, R. Radicevic, B. Pilic, A. Miletic, D. Manjencic*  
MECHANICAL PROPERTIES OF RIGID POLYURETHANE FOAMS WITH ADDITION OF RECYCLED POLYURETHANES

*Vesna Alivojvodic, N. Bukumiric, A. Bozic, M. Stamenovic, S. Djarmati*  
THE CONCEPT OF SUSTAINABLE LANDFILLS

*Aleksandra Bozic, J. Rusmirovic, M. Stamenovic, V. Alivojvodic, N. Bukumiric, S. Putic*  
ALKYD RESINS BASED ON WASTE PET

20:00 – 24:00 - Eco-Ist'16 Banquet-dinner  
Restaurant

*Snezana Serbula, J. Milosavljevic, A. Radojevic, J. Kalinovic, T. Kalinovic, T. Apostolovski Trujic*  
SULPHUR DIOXIDE LEVEL IN THE AIR IN THE PERIOD 2009-2015 (BOR, EASTERN SERBIA)

*Marius Kovacs, G. A. Gaman, A. Calamar, L. Toth, S. Simion*  
EFFECTS OF WOOD DUSTS ON WORKER'S HEALTH IN ROMANIAN WOOD INDUSTRY

*Umran Seven Erdemir, H. Arslan, G. Guleryuz, S. Gucer*  
INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY AS A TOOL FOR CASE STUDY OF ABANDONED TUNSTEN MINE

*Irena Nikolic, D. Djurovic, B. Mugosa*  
STABILIZATION/SOLIDIFICATION OF ELECTRIC ARC FURNACE DUST IN SLAG BASED ALKALI ACTIVATED BINDERS

*Ilhan Busatlic, S. Muhamedagic, N. Busatlic, N. Merdic, N. Haracic*  
THE PRELIMINARY EXAMINATION OF TECHNOGENIC WASTE MATERIALS FROM BOSNIA AND HERZEGOVINA USAGE POSSIBILITY IN PORTLAND-COMPOSITE CEMENT PRODUCTION

*Sanja Dobrnjac, J. Penavin Skundric, Z. Levi, D. Lazic, Lj. Vasiljevic*  
THE RESEARCH OF TEMPERATURE INFLUENCE AND ADSORBENTS STRUCTURE ON THE EFFICIENCY OF THE ORGANIC DYES ADSORPTION

*Samir Nuric, A. Nuric, J. Zenunovic*  
NOISE AT THE OPEN PIT MINE

*Suzana Lutovac, R. Tokalic, B. Gluscevic, N. Vidanovic, C. Beljic*  
EFFECT OF BLASTING ON THE ADJACENT BUILDING AND MINING STRUCTURES AT THE OPEN PIT KIJEVO

*Miroslav M. Pavlovic, M. Pantovic, V. Pavelkic, J. Stevanovic, M. G. Pavlovic*  
BIODEGRADABLE POLYMERS AS MATRICES FOR ELECTROCONDUCTIVE COMPOSITES

*Jaroslava Budinski Simendic, Z. Bjelovic, Lj. Tanasic, T. Erceg, J. Pavlicevic, V. Aleksic, V. Micic*  
THERMAL PROPERTIES OF POLYURETHANES BASED ON RENEWABLE POLYOL COMPONENT

16:00 – 16:30 – Coffee break

## Session II

Monday 13. 06. 2016.

16:30 – 18:30

**Chair Perssons: Ivana Jelic, Ivan Ristic**

*Marcin Lutynski, A. Lutynski*  
ENERGY POTENTIAL OF COAL SLURRIES DEPOSITED IN ENVIRONMENT

## Session IV

Tuesday 14. 06. 2016.

11:00 – 13:00

Chair Perssons: *Bojana Babic, Milan Milenkovic*

*Ivica Vujić, S. Masić, M. Medić, I. Vukoje, S. Putić, M. D. Dramićanin*  
ESTABLISHING GAMMA IRRADIATION METHOD OF PRUNES  
CONSERVATION

*Slobodan Nesković*  
ECONOMIC CONTEXT OF ORGANIC AGRICULTURE AND FARMS  
IN SERBIA-CASE STUDY

*Gordana Milojević Miodragović, Lj. Torović, S. Bobić, D. Lukić*  
NITRATE IN GREEN LEAFY VEGETABLES FROM CONVENTIONAL  
AND ORGANIC PRODUCTION

*Snezana Tanasković, B. Popović, S. Gvozdenac, Zs. Karpati, C. Bognar, M. Erb*  
INFLUENCE OF ARTIFICIAL INFESTATION WITH WCR EGGS  
ON MAIZE ROOT DAMAGES AND BIOMASS

*Snezana Tanasković, G. Drasković, M. Marjanović, S. Gvozdenac*  
EFFICACY OF Voliam Targo 063 SC IN SUPPRESSION *Cydia pomonella*  
ACCORDING TO CAS

*Bojana Babić*  
INVESTMENT TREATY CLAIMS CONCERNING ENVIRONMENTAL  
LAW CHANGES

*Nenad Stavretović*  
PLAN FOR ESTABLISHING LAWNS

*Natasa Bukumiric, A. Božić, V. Alivojvodić, M. Stamenović, S. Djarmati*  
CONTRIBUTION TO PHARMACY MANAGEMENT SYSTEM  
UNUSABLE DRUGS IN THE REPUBLIC OF SERBIA

*Aleksandra Božić, N., Bukumiric, V. Alivojvodić, M. Stamenović*  
IMPORTANCE OF WASTE MANAGEMENT AND ITS PLACE  
IN EDUCATIONAL SYSTEM OF THE REPUBLIC OF SERBIA

*Marko Velicković, Dj. Stojanović, D. Pantić* ENVIRONMENTAL  
PROTECTION IN GLOBAL LOGISTICS COMPANIES

*Milan Milenković, V. Babić, V. Ducić, M. Krstić, B. Lazić*  
THE CONNECTION BETWEEN ARCTIC OSCILLATION (AO)  
AND THE FOREST FIRES IN MANITOBA PROVINCE (CANADA)

*Milan Milenković, V. Babić, V. Ducić, M. Krstić, B. Lazić*  
THE WATER TEMPERATURE TRENDS OF THE SAVA RIVER IN  
SERBIA

13:00 – 14:00 – Lunch

## Session V:

Tuesday 14. 06. 2016.

14:00 – 16:00

Chair Perssons: *Danijela Lukić, Samir Nuric,*

*Samir Nuric, A. Nuric, K. Gutić, M. Brcaninović, H. Husić*  
EXPLOSION GASES AFTER BLASTING IN OPEN PIT MINE

*Merita Borota, T. Rakočević, A. Simić*  
IMPACT OF REGIONAL SANITARY LANDFILL "VRBAK" ON  
GROUNDWATER QUALITY

*Aleksandar Nikolić, V. Vujić, E. Nikolić, L. Pezo, T. Brandmajer*  
PRESENCE OF EXCESSIVE ENVIRONMENTAL NOISE – CASE STUDY  
MUNICIPALITY OF HERCEG NOVI

*Danijela Stojadinović, V. Domjan, N. Arsić*  
LEVEL OF RIVER WATER POLLUTION IN KRUSEVAC USING  
PROMETHEE METHOD

*Jelena Majstorović, M. Korac, S. Savković*  
THE IMPACT IN SITU OF GEOMECHANICAL INVESTIGATIONS ON  
EFFECTS OF THE ENVIRONMENTAL PROTECTION – ZAGRAD

*Saska Sekulić, K. Simeonov*  
METHODOLOGY FOR IMPACT ASSESSMENT OF HEATING PLANT  
ON THE ENVIRONMENT – EXAMPLE

*Liljana Sokolova, K. Berenji, Z. Prijic, N. Djokic*  
THE PLACE THE MASS MEDIA IN PREVENTION OF OBESITY.

*Danijela Lukić, Lj. Torović, S. Bijelović*  
TOXICOVIGILANCE – WHAT DOES IT TELL US?

*Angelica Calamar, G. A. Gaman, D. Pupazan, M. Kovacs, S. Simion*  
IMPACT OF CARBON MONOXIDE ON THE ENVIRONMENT  
AND HUMAN HEALTH

*Pero Sailović, B. Rodić Grabovac, R. Djudjić*  
INFLUENCE OF TEMPERATURE ON OBTAINING BIOLOGICALLY  
ACTIVE CELLULOSIC FIBERS WITH BOUND CEPHALEXIN

*Biserka Dimishkovska, N. Dimishkovski, J. Dimishkovski*  
ATMOSPHERIC POLLUTERS RELEASED FROM INDUSTRIAL PLANTS  
FACTORS OF RISK PERTAINING TO CANCER

*Milka Glavendekić, G. Nakic, D. Kaserić, V. Popović*  
SETAE FROM PINE PROCESSIONARY MOTH AND BROWN-TAIL  
MOTH CAUSE ALLERGIES IN HUMANS AND ANIMALS

## POSTER SESSION

Wednesday 14. 06. 2016.

16:30 – 18:30

Moderators: *Saša Stojadinović, Dejan Petrović*

*Aleksander Lutynski*  
PROCESSING OF SAND-GRAVEL AGGREGATES IN POLAND

*Marcin Lutynski, S. Lutynska*  
INVENTORY OF POLISH CRITICAL RAW MATERIALS ESSENTIAL  
FOR THE ECONOMY OF THE EUROPEAN UNION

*Vesna Cvetanovski, B. Jovanović*  
SO<sub>2</sub> AS AN INDICATOR OF AIR POLLUTION IN BOR

*Dusanka Miljković, G. Lazić, D. Marinković*  
THE CONTENT OF HEAVY METALS IN THE PRECIPITATED  
OVERFLOW WATER AFTER THE TREATMENT

*Rodica Caprita, A. Caprita*  
PHYSICO-CHEMICAL FACTORS WHICH AFFECT MILK DENSITY

*Rodica Caprita, A. Caprita*  
SOME RHEOLOGICAL ASPECTS OF WHOLE MILK

*Gordana Kulic, V. Radojčić, S. Alagić, M. Malnar, N. Mandić*  
USABILITY OF TOBACCO WASTE IN RECONSTITUTED TOBACCO  
PRODUCTION

*Miodrag Zikić, S. Stojadinović, R. Pantović, M. Živković, D. Tanikić*  
TREATMENT OF USED TIRES WITHIN THE RTB BOR-GROUP

*Milan Cekerevac, M. Zdravković, Lj. Nikolić Bujanović, M. Tomic*  
MEDIATED OXIDATION OF SUCROSE BY FERRATE(VI)  
ELECTROCHEMICALLY GENERATED IN THE TREATMENT  
REACTOR

*Snezana Dević, M. Cocic*  
MINERALGICAL CHARACTER OF THE MIXER SLAG

*Violeta Cibulic, M. Trifunović, N. Staletović, V. Presburger Ulniković, S. Polavder, S. Mrazovac Kurilić*  
WASTE WATER FROM PRODUCTION OF GLASS

*Ivana Jovanović, S. Petrović, S. Magdalinović, R. Pantović, D. Milanović, I. Andjelović, M. Mikic*  
RECONSTRUCTED SMELTING SLAG PROCESSING PLANT.  
PART 3 – DEWATERING OF TAILINGS

*Sanja Petrović, I. Jovanović, S. Magdalinović, D. Petrović, D. Milanović, M. Mikic*  
RECONSTRUCTED SMELTING SLAG PROCESSING PLANT.  
PART 2 - DEWATERING OF DEFINITIVE COPPER CONCENTRATE

**Silvana B. Dimitrijevic, A. T. Ivanovic, S. R. Magdalinovic, S. Z. Ivanovic, S. Krstic, B. T. Trumic, S. S. Dragulovic, K. R. Pantovic** RECYCLING OF PLATINUM FROM CRUCIBLES FOR MELTING AND CASTING

**Maja Trifunovic, V. Cibulic, N. Staletovic, S. Mrazovac Kurilic** INDUSTRIAL WASTE IN HEATING PLANTS

**Zorica Lopacic, M. Stojanovic, J. Milojkovic, M. Petrovic, M. Mihajlovic, T. Sostaric, J. Petrovic** APPLICATION OF ELOVICH EQUATION IN ANALYSIS OF ADSORPTION KINETICS IN Cu-LCW SYSTEM

**Zoran Stirbanovic, J. Sokolovic, Z. Markovic, R. Stanojlovic, R. Pantovic, V. Gardic, D. Milanovic, G. Strajinovic** POSSIBILITIES FOR REUSING FLOTATION TAILINGS FROM SMELTER SLAG FLOTATION

**Zaklina Z. Tasic, M. B. Petrovic Mihajlovic, A. T. Simonovic, M. B. Radovanovic, S. M. Milic, M. M. Antonijevic** THE INFLUENCE OF PH VALUE ON THE INHIBITION EFFICIENCY OF MIXED SYSTEM OF AZOLES AND GELATIN IN SULFURIC ACID MEDIUM

**Sasa Stojadinovic, R. Pantovic, M. Zikic, M. Denic** CEROVÓ COPPER MINES CONTROLLED BLASTING DESIGN

**Uros S. Stamenkovic, S. Ivanov, I. Markovic** OPTICAL MICROSCOPY AND SEM/EDS ANALYSIS OF PHASES IN AGE HARDENABLE AND RECYCLABLE ALUMINUM ALLOYS FROM 6000 SERIES

**Orhideja Strbac, M. Vucanovic** A RECORD OF NOSTOC COLONIES AT VRSAČ'S MONTANTAINS

**Orhideja Strbac, Z. Gavrilovic** FIRST FINDINGS RECORD REPORT REGARDING HALYOMORPHA HALYS IN SERBIA

**Ana Cuculovic, R. Cuculovic, S. Nestorovic, D. Veselinovic** ACTIVITY LEVELS OF <sup>137</sup>Cs AND <sup>40</sup>K IN MOSS FROM NP DJERDAP IN 2015.

**Katarina Zoric, V. Markovic, J. Tomovic, A. Atanackovic, B. Vasiljevic, J. Canak Atlagic, S. Andjus, M. Kracun-Kolarevic, N. Marinkovic, N. Popovic, M. Rakovic, J. Djuknic, V. Djikanovic, B. Tubic, M. Ilic, M. Paunovic, V. Nikolic, G. Stamenkovic** TOWARDS ASSESSING GENETIC DIVERSITY OF *Theodoxusdanubialis* (C. PFEIFFER, 1828)(GASTROPODA; NERITIDAE) FROM CENTRAL BALKAN

**Katarina Zoric, V. Markovic, J. Tomovic, A. Atanackovic, B. Vasiljevic, J. Canak Atlagic, S. Andjus, M. Kracun-Kolarevic, N. Marinkovic, N. Popovic, M. Rakovic, J. Djuknic, V. Djikanovic, M. Ilic, B. Tubic, M. Paunovic** ASSESSMENT OF BIOPOLLUTION IN THE SERBIAN PART OF THE DANUBE RIVER

**Bojan Stojcetovic, Z. Sarkocecic, M. Mistic, M. Jovanovic** RENEWABLE ENERGY SOURCES IMPACTS ON ENVIRONMENT

**Predrag Stolic, S. Stolic, A. Milosavljevic, M. Pantovic** MONITORING AND IMPROVEMENT ENERGY EFFICIENCY OF COMMERCIAL VEHICLE FLEET BASED ON DATA DRIVEN APPROACH

**Ljiljana Avramovic, R. Jonovic, D. Urosevic, A. Shibayama, K. Haga, H. Baisui, Z. Stevanovic, J. Petrovic, R. Pantovic** PROCESS FOR CONCENTRATION OF COPPER FROM MINE TAILING BY FLOTATION

**Srdjana Magdalinovic, Z. Markovic, I. Jovanovic, R. Pantovic, S. Petrovic, D. Milanovic, Z. Stirbanovic** RECONSTRUCTED SMELTING SLAG PROCESSING PLANT. PART 1 - FLOTATION CONCENTRATION

**Marija Petrovic, T. Sostaric, M. Stojanovic, J. Petrovic, M. Mihajlovic, J. Milojkovic, Z. Lopacic** CORN COB AND CORN SILK AS BIOSORBENT FOR METAL IONS REMOVAL FROM AQUEOUS SOLUTION: COMPARATIVE ANALYSIS

**Violeta Cibulic, M. Trifunovic, V. Presburger Utnikovic, N. Staletovic, S. Polavder** MONITORING OF SURFACE WATER

**Snezana Urosevic, M. Smelcerovic, D. Djordjevic** TECHNO-ECONOMIC ASPECTS OF THE TREATMENT OF WASTEWATER INCURRED DYEING TEXTILES

**Dragan Pajic, I. Ristanovic Ponjavic, S. Mladenovic, A. Tanaskovic** QUALITY OF WATER OF THE SAVA LAKE ON ADA CIGANLIJA IN THE PERIOD 2012.-2015.

**Zora Levi, J. Penavin-Skudric, S. Sladojevic, D. Bodroza** INFLUENCE OF SURFACE ACTIVE SUBSTANCES ON 4A ZEOLITE CHARACTERISTICS

**Ljiljana Nikolic Bujanovic, M. Cekerevac, M. Tomic, M. Zdravkovic** APPLICATION OF TETRA-OXY Fe(VI) SALTS IN SOLID STATE IN THE OXIDATIVE DEGRADATION OF PESTICIDE CLOMAZONE IN WATER

**Miroslava Maric, M. Antonijevic, A. Cvetkovic** PHYTOREMEDIATION - GREEN TECHNOLOGY FOR SUSTAINABLE SOIL DEVELOPMENT

**Zarko Veljkovic, T. Petrovic Pantic, M. Tomic, M. Mandic, K. Samolov** VULNERABILITY OF GROUNDWATER POLLUTING IN THE AREA OF NATIONAL PARK „FRUSKA GORA“

**Marija Sljivic Ivanovic, I. Smiciklas, M. Jovic, S. Dimovic, I. Jelic** KINETIC STUDY OF Co<sup>2+</sup> SORPTION BY DIFFERENT SOIL TYPES

**Bozidarka Arsenovic, B. Ivanovic, S. Stanisic** PURIFICATION WASTE WATER AND POLLUTED AIR GALVANIC-CHEMICAL PROCESSES

**Misko M. Milanovic, A. D. Markovic, M. S. Ilic** THE IMPORTACE SUSTAINABLE AGRICULTURE ON THE EXAMPLE RED WORMS COMPOSTING

**Aleksandra Fedajev, D. Durkalic, D. Riznic** IMPACT OF NATURAL DISASTERS AGRICULTURE PRODUCTION IN THE WESTERN BALKANS COUNTRIES

**Vesela Radovic, S. Krnjajic, B. Ilic** PROVIDING FOOD SECURITY HAVING IN MIND ONE RISK MORE – PLANT PEST AND DISEASES

**Gorica Paunovic, R. Ilic, V. Vukosavljevic, I. Glisic, Lj. Boskovic Rakocevic** ECONOMIC IMPORTANCE OF WILD FRUIT AND AUTOCHTHONOUS VARIETIES OF GRAPE

**Gorica Paunovic, M. Kulina, R. Ilic, Lj. Boskovic Rakocevic, I. Glisic** ARONIA - FRUIT FOR ECOLOGICAL GROWING

**Zorica Basic, S. Masic** CONTENTS OF SOME OLIGOELEMENTS IN SERBIAN WINES AND FRUIT WINES

**Eva Tomkova, E. Mikusova** ECO-LOGISTICS - CONNECTION OF ECOLOGY, ENVIRONMENT PROTECTION AND LOGISTICS

**Dejan Filipovic, G. Trbic, V. Secerov, I. Samardzic** THE ROLE OF SPATIAL PLANNING IN SERBIA ON ADAPTATION TO CLIMATE CHANGE

**Dejan Filipovic, M. Milincic, M. Pecelj** COMPETENCE OF LOCAL GOVERNMENT IN ENVIRONMENTAL PROTECTION – TOWARDS EU STANDARDS

**Nada Strbac, A. Mitovski, D. Zivkovic, M. Sokic, Lj. Balanovic, V. Grekulovic** COMPARATIVE REVIEW OF THE INOVATION STRATEGIES FOR THE E-WASTE MANAGEMENT

**Slobodan Rakic, A. Kekez Kljajic, N. Raspopovic** SOIL PROTECTION POLICY – EU AND SERBIAN PERSPECTIVE

**Obrad Anicic, S. Jovic, B. Pejovic, Lj. Savic** MODELING AND SIMULATION COST-TIME PROFILE OF BUSINESS GREEN PROCESSES

**Velimir Komadinic, S. Manasijevic, R. Radisa** HOW TO INTEGRATE STANDARDIZED MANAGEMENT SYSTEMS

**Visnja Mihajlovic** DEVELOPMENT OF WASTE MANAGEMENT SYSTEM IN SERBIA – NOVI SAD WASTE REGION

**Dina Maria Luț** ENVIRONMENTAL ASPECTS OF SUSTAINABLE DEVELOPMENT

**Cipriana Sava, G. Pinteala** ASPECTS REGARDING THE CERTIFICATION OF ROMANIAN ECOTURISM

*Anja Basic, M. Velickovic*  
STAKEHOLDER BASED CLASSIFICATION OF SUSTAINABLE  
INDICATORS  
IN FREIGHT TRANSPORTATION

*Darko Drmanac*  
ROOF STRATA STRESS AND STRAIN INVESTIGATION WITH A VIEW  
TO  
EXPLORE TERRAIN SUBSIDENCE ABOVE THE MINING SITE AT  
POBRDJE  
BORATE ORE DEPOSIT

*Darko Drmanac, M. Ignjatovic, V. Cvetkovic, M. Dogandzic*  
THE IMPACT OF “POBRDJE” BORATE ORE MINING  
ON THE ENVIRONMENT

*Savo Perendic, J. Sokolovic, B. Stakic, D. Ciric*  
RECLAMATION OF MINE WASTE DUMP IN ANTHRACITE  
MINE „VRSKA CUKA“-AVRAMICA

*Boban Mugosa, D. Djurovic, M. M. Vrvic*  
ASSESSMENT OF ECOLOGICAL RISK INDEX AND NON-CANCEROUS  
HAZARD INDEX IN PLAYGROUNDS AND PARKS IN NORTHERN  
AREA  
OF MONTENEGRO

*Irena Stefanovska, T Mitev, E. Bozhinovska, K.A. Sackarska, A. Pavlov*  
ENVIRONMENTAL IMPACT ASSESSMENT OF ROAD  
CONSTRUCTION:  
A CASE STUDY OF CORRIDOR VIII, ROAD A2, SECTION RANKOVCE  
–  
KRIVA PALANKA, MACEDONIA

*Sasha Petrushevska, D. Lazarevska*  
URBAN ENVIRONMENT NOISE ASSESSMENT

*Mirjana Marinkovic, Lj. Ilic*  
EDUCATION FOR INOVATIONS AGAINST REBUILDING LANDSLIDES

*Vesna Lazarevic, I. Krstic, M. Stanisavljevic*  
POTENTIAL TOXIC EFFECTS OF COPPER IN METAL INDUSTRY

*Bozidar Rancic, N. Rancic, S. Otasevic, B. Kocic, B. Petrovic, M. Ilic*  
ECO-DRIVING AS MEASURE OF INCREASE ENERGY EFFICIENCY  
IN ROAD TRANSPORTATION

**18:30 – 19:00 – CLOSING CEREMONY**