

## **LIST OF ACCEPTED PAPERS FOR XXV ECO-IST CONFERENCE**

**Biljana Jovanović, Dušanka Miljković, Goran Lazić - MONITORING OF HEAVY METALS CONTENT IN SOIL COLLECTED FROM SMELTER POLLUTED AREA, SERBIA**

**Ana Čučulović, M. Čujić, J. Petrović, S. Goč, R. Čučulović, D. Veselinovic - RADIONUCLIDE CONTENT IN PREMIXES IN 2015 AND 2016**

**Sanja Mrazovac Kurilić, Vladanka Presburger Ulniković, Violeta Cibulić, Novica Staletović, Maja Trifunović - WATER QUALITY MODELING IN LAKES**

**Jelena Tomičević-Dubljević - MANAGING PROTECTED AREAS: NEW APPROACH TO PROTECTED AREA MANAGEMENT – THE ROLE OF THE LOCAL PEOPLE**

**Novica Staletović, S. Mrazovac-Kurilić, M.Šljivić, A. Salkai - MODEL OF ENVIRONMENTAL ASPECTS IMPACT ASSESSMENT BASED ON RISK ASSESSMENT IN FUNCTION OF EMS IN ACCORDANCE WITH ISO 14001**

**Ladislav Lazić, S. Rešković, I. Jandrlić, T. Brlić - DETERMINATION OF THE EMISSIVITY OF COATINGS FOR PREPARATION OF SAMPLES IN THERMOGRAPHIC TESTINGS**

**Žan Disterlo - INFLUENCE CIVILIAN AIR TRAFFIC ATMOSPHERE TIMOCKE KRAJINE II**

**Goran Roglić, B. Dojčinović, B. Obradović, M. Kuraica - NONTHERMAL PLASMA IN WATER TREATMENT**

**Miloš V. Simičić, M. I. Čekerevac, Lj. N. Nikolić-Bujanović, M. Z. Zdravković, M. M. Tomić - THE ELECTROCHEMICAL PROPERTIES OF THE BARIUM FERRATE PLASTIC-BONDED CATHODE FOR SUPER-IRON BATTERY**

**Jelena Velimirović - THE ROLE OF SCIENCE AND SCIENTIFIC RESEARCH AND DEVELOPMENT OF WATER MANAGEMENT PROFESSION IN SERBIA**

**Vukoje Vukojević, D. Čikara, D. Čikara-Anić - POSSIBILITIES OF THE PLASMA TECHNOLOGY APPLICATION FOR WASTE TREATMENT IN METAL PROCESSING INDUSTRY**

**Tatjana Ćirković-Mitrović, D. Vilotić, Lj. Brašanac-Bosanac, V. Popović, Lj. Rakonjac - MORPHOMETRIC CHARACTERISTICS AS INDICATORS OF QUALITY OF ONE-YEAR-OLD SEEDLINGS OF *Juglans nigra L.***

**Marija Prokić - CHARACTERISTICS OF WATER SUPPLY SYSTEM IN NIŠ AND QUALITY LEVEL OF DRINKING WATER**

**Slavica Miletić, D. Bogdanović, D. Milanović, V. Conić, Z. Stanojević Šimšić** - MULTI-CRITERIA ANALYSIS OF THE IMPACT INTERESTED PARTIES ON ACCESS TO SUSTAINABLE BUSINESS

**Vladan Mičić, Sabina Begić, Ljiljana Tanasić, Nevena Vukić, Jaroslava Budinski-Simendić** - SUPERCRITICAL FLUIDS - APPLICATIONS AND ECOLOGICAL IMPORTANCE

**Gordana Šekularac, M. Jelić, M. Aksić, N. Gudžić, S. Gudžić** - QUANTITATIVE INDICATORS OF THE PROCESS OF THE SOIL EROSION CATCHMENT NAMELESS BROOK, WESTERN SERBIA

**Orhideja Štrbac, M. Vučanović, M. Stupar** - THE EVIDENCE OF CANIS LUPUS AT "VRŠAC MONTAINS"

**Orhideja Štrbac, Z. Gavrilović, M. Stupar** - THE CONFIRMATION OF IRIS SPURIA L. AT „MALI VRŠAČKI RIT”

**Călămar Angelica, Simion S., Toth L., Kovacs M., Simion A. F.** - STUDY ON DETERMINING ACCIDENTAL EMISSIONS OF TOXIC, ASFIXIANT FLAMMABLE OR EXPLOSIVE GASES, VAPORS AND DUSTS IN EXPLOITATION OF COOPER ORE

**Toth Lorand, Călămar Angelica, Kovacs M., Simion S., Simion A. F.** - COLLECTION AND TREATMENT OF LEACHATE FROM LANDFILLS IN ORDER TO REDUCE POLLUTION LEVELS

**Nenad Zarić, K. Ilijević, B. Jovančićević, Lj. Stanisavljević, I. Gržetić** - HONEYBEES (*Apis mellifera* L.) AS BIOINDICATORS OF METAL POLLUTION IN SERBIA

**Nenad Zarić, B. Jovančićević, I. Gržetić, V. Čejčić** - METAL CONTENTS OF WHITE, ROSE AND RED WINES FROM SERBIA

**Mira Cocić, V. Tasić, S. Dević** - DETERMINATION OF THERMAL SHOCK RESISTANCE OF GLASS FRIT USING NONDESTRUCTIVE TEST METHODS

**Ana Simonović, Ž. Tasić, M. Petrović Mihajlović, M. Radovanović, S. Milić, M. Antonijević** - THE INFLUENCE OF TETRAZOLE COMPOUNDS ON THE CORROSION BEHAVIOR OF COPPER IN 0.05 M NaCl SOLUTION

**Serap Kirmizi, G. Güleriyüz, H. Arslan, M. Bayrak** - COMBINATIONAL DORMANCY AND STORAGE BEHAVIOUR OF ENDEMIC *HYPERICUM ADENOTRICHUM* SEEDS IN RELATION TO *EX SITU* CONSERVATION

**Zvezdana Kojic, A. Milovanovic, S Ristić** - GLOBAL AND ENVIRONMENTAL HEALTH – IMPERATIVES FOR THE 21 CENTURY

**Nebojša Knežević, Danijela Knežević** - CITY BIOMASS-FIRED HEATING PLANT – ENVIRONMENTAL IMPACT ASSESSMENT

**Ljiljana Stošić, R. Marković** - MONITORING OF PHOTOCHEMICAL SMOG IN NIS  
IN THE FIFTEEN - YEAR PERIOD

**Hülya Arslan, Ümran Seven Erdemir, Gürcan Gülerüz, Şeref Güçer** - ELEMENT  
TRANSPORT IN *RUMEX OLYMPICUS* BOISS. FROM ABANDONED TUNGSTEN  
MINE WORK

**Milena Tomić, Lj. Nikolić Bujanović, Ž. Kamberović, M. Čekerevac, M. Simičić, M.  
Zdravković** - POSSIBILITY OF REMOVAL OF HEAVY METALS AND SELENIUM  
FROM WASTEWATER OF THE COPPER SMELTER PLANT, BOR USING SOLID  
FERRATE(VI)

**Violeta Jakovljević and M.M. Vrvic** - THE POTENTIAL OF *ASPERGILLUS NIGER* IN  
BIODEGRADATION/BIOREMEDIATION OF ETHOXYLATED OLEYL-CETYL  
ALCOHOL

**Marija Šljivić-Ivanović, M. Egerić, I. Smičiklas, S. Dimović, M. Jović** - KINETIC  
STUDY OF CU(II) AND ZN(II) IONS SORPTION ONTO RECYCLED CONCRETE

**Ivana Smičiklas, Ž. Grahek, M. Šljivić-Ivanović, M. Nodilo, M. Jović** - EQUILIBRIUM  
STUDY OF SR<sup>2+</sup> AND PB<sup>2+</sup> IONS SORPTION USING BONE-APATITE OF VARIOUS  
VERTEBRATE SPECIES

**Irena Nikolić, D. Đurović, I. Milašević** - PROPERTIES OF ALKALI ACTIVATED SLAG  
UNDER THE SEAWATER ATTACK

**Umran Seven Erdemir, S. Gucer** - RELIABILITY OF ANALYTICAL DATA FOR THE  
RISK ASSESSMENT OF ABANDONED MINE ENVIRONMENT

**Slavica Čepić, Jelena Tomičević-Dubljević** - CONTRIBUTION OF URBAN GARDENS  
TO FOOD SECURITY IN CITIES. A CASE STUDY OF THE CITY OF  
KRAGUJEVAC

**Marijana Demajo, A.G. Toxopeus, J. Ramírez, A.R. Muñoz** - FOOD AVAILABILITY  
ANALYSIS FOR GRIFFON VULTURE (*GYPS FULVUS*) IN CADIZ PROVINCE,  
SOUTHERN SPAIN

**Aida BODE, S. Xhulaj, J. Thanasi, E.Dindi** - POLLUTANT TRANSPORT IN WATERS  
AND THEIR PROCESSES

**Gordana Topličić Čurčić, D. Grdić, N. Ristić, Z. Grdić** - COOL ROOFS IN  
SUSTAINABLE CIVIL ENGINEERING

**Stanković Mihajlo** - AN OVERVIEW OF THE MACROCRUSTACEA  
(INVERTEBRATES-ARTHROPODA) IN SPECIAL NATURE RESERVE ZASAVICA

**Vladanka Presburger Ulniković, S. Mrazovac Kurilić, N. Staletović, M. Trifunović, V.  
Cibulić** - THE SYSTEMATIZATION OF CONTAMINATION DEGREE  
ASSESSMENT OF SEDIMENTS AND ECOLOGICAL RISK

**Branko Protić, Milica Lukić, Dejan Filipović; Bogdan Lukić** - LEGAL AND PLANNING FRAMEWORK FOR NATURE PROTECTION -COMPARATIVE ANALYSIS OF AUSTRIA AND THE REPUBLIC OF SERBIA

**Mirela Samardžić, O. Galović, M. Sak-Bosnar** - APPLICATION OF A NEW SURFACTANT SENSOR, BASED ON FUNCTIONALIZED MWCNTS, FOR THE DETERMINATION OF ANIONIC SURFACTANTS IN MUNICIPAL WASTEWATERS

**Dejan T. Riznić, A. Dukić, D. Durkalić**, - GREEN MARKETING IN FUNCTION OF ECOTOURISM AND SUSTAINABLE DEVELOPMENT

**Ana A. Radojevic, S.M. Serbula, T.S. Kalinovic, M.M. Steharnik, J.S. Milosavljevic, J.V. Kalinovic** - HAZEL AS BIOMONITOR OF METAL POLLUTION ORIGINATING FROM COPPER SMELTER AND FLOTATION TAILING PONDS IN THE BOR AREA

**Maja Poznanović Spahić, Sanja Sakan, Dragan Manojlović, Pavle Tančić, Sandra Skrivanj, Jovan Kovačević, Srebrenka Petrović**, - HEAVY METALS IN SOIL IN SREM (VOJVODINA): CONTAMINATION LEVEL AND MOBILITY

**Dušanka Miljković, Goran Lazić, Biljana Jovanović, Danijela Božić** - BAT TECHNOLOGY IMPACT ON AIR QUALITY IN BOR

**Cipriana Sava** - ASPECTS REGARDING THE DEVELOPMENT OF ECOTOURISM IN THE SEMENIC - CARAŞ GORGES NATIONAL PARK, ROMANIA

**Mirjana Rajčić Vujasinović, V. Grekulović, A. Mitovski, Z. Stević** - ELECTROCHEMICAL BEHAVIOR OF COPPER IN PRESENCE OF CHESTNUT MACERATE

**Jovica Sokolović, Rodoljub Stanojlović, Zoran Štirbanović** - ANALYSIS OF THE INDUSTRIAL RESULTS OF COPPER SLAG PROCESSING FROM THE RECONSTRUCTED COPPER SMELTER IN RTB BOR

**Goran Roglić, Marija V. Pergal, Igor D. Kodranov, Miodrag M. Pergal, Biljana P. Dojčinović and Dragan Manojlović** -DEGRADATION OF HERBICIDES WITH CHLORINE DIOXIDE: DEGRADATION EFFICIENCY AND TOXICITY TEST

**Maja Vujčić, J. Tomićević-Dubljević** - THE OBSERVED ECONOMIC VALUES OF ECOSYSTEM SERVICES OF THE PARKS IN THE CITY OF BELGRADE

**Milica Mihailović, A. Đukin, N.Stavretović** - ECOLOGY AND FUNCTIONALITY OF GREEN AREAS OF THE VILLAGE RAJAC

**Milica Mihailović, A. Đukin, N. Stavretović** - THE TAXONOMIC ANALYSIS OF THE LAWNS OF SPORTS AND RECREATION COMPLEX AT IBAR QUAY IN KRALJEVO

**Tanja S. Kalinovic, S.M. Serbula, A.A. Radojevic, J.V. Kalinovic, J.S. Milosavljevic, J.V. Petrovic** - LEAVES OF TREES AS A LOW COST MATERIAL FOR DETECTION OF Cu AND Zn IN THE AIR

**Dušan Grdić, N. Ristić, G. Topličić – Ćurčić, D. Krstić** - USAGE OF CATHODE RAY TUBE WASTE GLASS FOR THE PARTIAL SUBSTITUTION OF AGGREGATE IN CEMENT MORTAR

**Veljko Đukić, Đorđe Okanović, Zlatan Čizmić** - IMPORTANCE OF SAFE DISPOSAL OF ANIMAL BYPRODUCTS IN ENVIRONMENT PROTECTION

**Uroš S. Stamenković, I. Marković, M. Dimitrijević, D. Medić** - SEM AND EDS INVESTIGATION OF Zn-Sn ALLOYS AS POTENTIAL HIGH TEMPERATURE LEAD-FREE SOLDER

**Snezana M. Serbula, N.N. Mijatovic, J.S. Milosavljevic, T.S. Kalinovic, A.A. Radojevic, J.V. Kalinovic, R.M. Kovacevic** - METAL(LOID)S CONTENT IN A MEDICINAL HERB GROWN IN INDUSTRIALLY POLLUTED AREA

**Gordana Milojević Miodragović, D. Lukić, S.Bijelović** - COSMETICS, SAFE OR NO?

**Gordana Šekularac** - CONDITIONS FOR SOIL EROSION OF THE CATCHMENT OF THE NAMELESS BROOK (WESTERN SERBIA)

**Dr Ljiljana Stošić Mihajlović, Marija Mihajlović** - URBAN ECOLOGY AND SUSTAINABLE DEVELOPMENT OF CITIES

**Dragana Randelović** - MICROORGANISM ACTIVITY IN MINE SOILS OF BLACK LOCUST (*ROBINIA PSEUDOACACIA* L.) STANDS ON COPPER MINE WASTES IN BOR, SERBIA

**Nataša Randelović, Dragan Randelović** - "TIMOK SCIENTIFIC TORNADO- TNT" - A MODEL FOR SCIENCE POPULARIZATION AND THE DEVELOPMENT OF COMPETENCIES THROUGH COOPERATION WITH THE STAKEHOLDERS

**Marcin Lutynski** - OVERVIEW OF GASIFICATION METHODS FOR LOW QUALITY COAL AND WASTE

**Saša Kalinović, D. Tanikić, J. Djoković** - THE ENERGY EFFICIENCY OF THE WINDOW, AND ITS DEPENDENCY ON THE PHYSICAL MODEL OF CONSTRUCTION OF THE WINDOW

**Jasmina Jovanović Mirković, Ružica Nikolić, Gordana Kocić, Christos Alexopoulosm-**

ANTIOXIDANT ROLE OF GLUTATHIONE DURING ACUTE INTOXICATION BY CADMIUM

**Jasmina M. Jovanović Mirković, Christos Alexopoulos, Violeta Jevtović, Danijela Dejković** - PREVENTIVE EFFECT OF LIPOIC ACID DURING TOXIC EFFECTS LEAD OVER DNASE ACTIVITY

**Predrag Stolić, Aleksandar Peulić, Dejan Tanikić** - THERMOVISION APPLICATION IN TRIAGE PROCEDURES FOR EMERGENCY ORTHOPEDIC CONDITIONS

**Živče Šarkoćević, Bojan Stojčević, Srđan Jović, Dragan Lazarević** - SWOT ANALIZA POTENCIJALNIH PROJEKATA OBNOVLJIVIH IZVORA ENERGIJE U OPŠTINI ŠTRPCE

**Ivana Jelić, R. Šerović, D. Antonijević, M. Adžemović** - ENERGY RECOVERY FROM HAZARDOUS WASTE IN REPUBLIC OF SERBIA – A REVIEW

**Miroslav M. Pavlovic, Sanja Erakovic, Vladimir Panic, Miomir G. Pavlovic, Srečko Stopic, Bernd Friedrich** - ELECTROCHEMICAL CHARACTERIZATION OF  $LA_{0.6}SR_{0.4}COO_3$  AND  $LA_{0.6}SR_{0.4}COO_3$  DOPED WITH  $RUO_2$  POWDERS AS THE NEXT GENERATION SUPERCAPACITORS

**Maja Sremački, M. Milanović, I. Mihajlović, I. Španik, M. Turk Sekulić, J. Radonić, M. Vojinović Miloradov** - RISK ASSESSMENT OF DDT AND METABOLITES IN WASTE AND SURFACE WATER OF NOVI SAD

**Ivica Vujčić, S. Mašić, M. Medić, M. Timotijević, M. D. Dramićanin** - EFFECT OF GAMMA RADIATION ON THE INACTIVATION OF AFLATOXIN IN HEMP FLOUR

**Ivica Vujčić, S. Mašić, M. Medić, S. Putić, M. D. Dramićanin** - GAMMA IRRADIATION OF LEATHER GLOVES IN TERMS OF CULTURAL HERITAGE PRESERVATION

**Snežana Grujić, Snežana Urošević, Gordana Kokeza** - INDUSTRIAL COMBUSTION AS A SOURCE OF AIR POLLUTION

**Vanja Marković, K. Zorić, M. Ilić, N. Marinković, S. Đuretanović, A. Milošković, N. Radojković** - A CONTRIBUTION TO THE KNOWLEDGE ON THE DISTRIBUTION OF NATIVE CRAYFISH *AUSTROPOTAMOBIVS TORRENTIUM* (SCHRANK, 1803) IN SERBIA

**Vanja Marković, K. Zorić, M. Ilić, A. Atanacković, J. Tomović, B. Vasiljević, M. Paunović** - A PRELIMINARY ASSESSMENT OF WATER QUALITY OF SOME SMALLER WATERCOURSES FROM SREM (VOJVODINA, SERBIA) BASED ON AQUATIC MACROINVERTEBRATES

**Vesna Cvetanovski, Marina Birovljev - BUSINESS GUIDE ACCORDING TO THE LAW ON CHEMICALS (CHEMICALS RISK MANAGEMENT)**

**Zoranka Malešević, M.Papović, D.Gavrilovski, M.Arsić - TOXICITY OF ESTIMATION METHODS FOR RESIDUAL STRESSES AND STRESS CORROSION RESISTANCE IN BRASS PRODUCTS**

**Marko Ilić, V. Presburger Ulniković - POSITIVE EFFECTS OF WASTE WATER TREATMENT PLANT CONSTRUCTION ON THE ENVIRONMENT WITHIN KIČEVO MUNICIPALITY**

**Marko Urosevic, Milutin Stefanovic, Nada Zivanovic, Zoran Gavrilovic - CLASSIFICATION OF ANTHROPOGENIC SEDIMENTS IN ORDER TO WATER PROTECTION IN SERBIA**

**Milan Milenković, V. Babić, M. Krstić, T. Jojić Glavonjić, S. Denda - THE NORTH ATLANTIC OSCILLATION (NAO), THE ARCTIC OSCILLATION (AO) AND FOREST FIRES IN LITHUANIA**

**Pasqua L'Abbate - SUSTAINABILITY ANALYSIS OF A PHOTOVOLTAIC PANEL RECOVERY PROCESS**

**Mladen Zdravković, M. Popović, M. Čekerevac, Lj. Nikolić-Bujanović, M. Simičić, M. Tomić - POSSIBILITY OF REMOVING LINDANE FROM WATER USING FERRATE(VI)**

**Jovica Sokolović, Savo Perendić, Branislav Stakić, Dejan Ćirić - IMPROVEMENT OF THE ECONOMIC EFFECT IN COAL MINE „VRSKA CUKA” PRODUCTION OF FILTER-ANTHRACITE®**

**Tihomir Kovačević, A. Božić, J. Rusmirović, M. Stamenović, V. Alivojvodić, N. Tomić, Ž. Kamberović, A.Marinković - EFFECTS OF OXIDIZED NON-METALLIC FILLERS OBTAINED FROM WASTE PRINTED CIRCUIT BOARDS ON MECHANICAL PROPERTIES OF POLYESTER COMPOSITES**

**Jelena Ivaz, P. Stojković, D. Petrović, V. Milić, S. Stojadinović - ASBESTOS WASTE MANAGEMENT PROCEDURES AT THE TECHNICAL FACULTY IN BOR**

**Sanja Apostolov, Sanela Božinović - TRACE THE MAN TO THE RIVER CONTROL WATER QUALITY OF MINERAL RESOURCES OF BRESTOVAC SPA**

**Sanela Božinović, Sanja Apostolov - CORROSION OF METALS IN SOIL – REVIEW**

**Jakob Lamut, Martin Debelak, Barbara Lamut, Matjaž Knap - INOVATION AND SUSTAINABLE DEVELOPMENT**

**Ivana Mladenović-Ranisavljević, Lj. Takić - INDUSTRIAL POLLUTION OF THE DANUBE AT THE SITE OF SMEDEREVO**

**Ivana Mladenović-Ranisavljević, Lj. Takić -INDUSTRIAL POLLUTION OF THE DANUBE AT THE SITE OF SMEDEREVO**

**Milorad Grujić, Blagoje Spaskovski, Branislav Tomić, Nebojša Videnović, Mašan M Grujić, Zoran Marković - CONSUMPTION OF STEEL LINING**

**Milorad Grujić, Blagoje Spaskovski, Predrag Lazić, Zoran Marković, Branislav Tomić - BALL RATIONAL GRAIN SIZE IN BALL MILL**

**Milorad Grujić, Blagoje Spaskovski, Branislav Tomić, Mašan M Grujić, Zoran Marković - REDUCING ELECTRICITY CONSUMPTION WITH CHANGES OF ORE CRUSHING DEGREE IN COPPER MINE MAJDANPEK**

**Pasqua L'Abbate, F. Manfredi - ASSESSMENT OF THE ENVIRONMENTAL IMPACT OF AN ITALIAN TEXTILE PRODUCT WITH THE LCA METHOD**