



**5th SCIENTIFIC SYMPOSIUM WITH INTERNATIONAL PARTICIPATION
„ENVIRONMENTAL RESOURCES, SUSTAINABLE DEVELOPMENT AND FOOD PRODUCTION“
OPORPH 2017**

**November 16-17, 2017
Tuzla, Bosnia and Herzegovina**

**Faculty of Technology, University of Tuzla
AMPHITHEATER 1**

SYMPOSIUM PROGRAM

THURSDAY, 16.11.2017.

I	9.00-10.00	REGISTRATION OF THE PARTICIPANTS
II	10.00-10.30	OPENING SYMPOSIUM
1	10.00-10.05	Dean of the Faculty of Technology, PhD Vahida Selimbašić, full professor
2	10.05-10.10	Rector of the University of Tuzla, PhD Nermina Hadžigrahić, full professor
3	10.10-10.15	Prime Minister of the Tuzla Canton, Mr Bego Gutić
4	10.15-10.20	Minister of Education Tuzla's Canton MSc Zlatan Muratović

5	10.20-10.25	Federal Ministry of Displaced Persons and Refugees, PhD Edin Ramić		
6	10.25-10.27	Federal Ministry of Environment and Tourism, PhD Edita Đapo		
7	10.27-10.30	Chemistry Association Tuzla's Canton PhD Aldina Kesić, associate professor		
		Authors	Lecture	Institution
PL	10.30-10.50	Bruno Zelić	BIODIESEL PRODUCTION IN A MICROREACTOR WITH <i>IN SITU</i> PRODUCT SEPARATION	University of Zagreb, Faculty of Chemical Engineering and Technology
PL	10.50-11.10	Ljubica Dokić	OIL SEED CAKES AS RAW MATERIAL FOR DEVELOPMENT OF FOOD PRODUCTS	University of Novi Sad, Faculty of Technology Novi Sad
PL	11.10-11.30	Zoran Jovović	PRODUCTION OF IMMORTELLE (<i>Helichrysum italicum</i> (Roth) G. Don) ACCORDING TO THE PRINCIPLES OF ORGANIC PRODUCTION	University of Montenegro, Biotechnical Faculty Podgorica
WP	Working presidency		PhD Milica Vilišić, associate professor PhD Amel Selimović, assistant professor PhD Zoran Iličković, associate professor	University of Tuzla, Faculty of Technology Tuzla
	11.30 – 11.50	COFFEE BREAK		
PL	11.50 – 12.10	Stanko Blatnik	MODERN TECHNOLOGIES AND DEVELOPMENT OF SOCIETY	IPAK Institut Velenje, Slovenija
PL	12.10 – 12.30	Elvis Ahmetović	WATER AND HEAT INTEGRATION IN THE PROCESS INDUSTRY	University of Tuzla, Faculty of Technology Tuzla
PL	12.30 – 12.50	Jasmina Ibrahimpašić	APPLICATION OF ECOREMEDIATION, GREEN TECHNOLOGY FOR THE ENVIRONMENTAL PROTECTION	University of Bihać, Biotechnical Faculty Bihać
OP	12.50-13.05	Ante Jukić	PREPARATION AND CHARACTERIZATION OF OIL BASED NANOFLUIDS WITH METAL OXIDE AND CARBON NANOPARTICLES	University of Zagreb, Faculty of Chemical Engineering and Technology Zagreb
OP	13.05-13.20	Ida Zahović	THE POSSIBILITY OF CROSSLINKING OF RAW XANTHAN WITH DIVALENT AND TRIVALENT METAL IONS	Faculty of Technology Novi Sad
OP	13.20-13.35	Josip Jurković	DETERMINATION OF WATER CONTENT IN SAMPLES THAT ARE MAILLARD REACTION PRODUCING	Faculty of Agricultural and Food Sciences Sarajevo
WP	Working presidency		PhD Amra Odošević, full professor PhD Sabina Begić, associate professor PhD Abdel Đozić, associate professor	University of Tuzla, Faculty of Technology Tuzla

	13.35 – 14.30	LUNCH		
OP	14.30-14.45	Elvira Vidović	PREPARATION AND CHARACTERIZATION OF CELLULOSE-G-PLA COPOLYMERS	University of Zagreb, Faculty of Chemical Engineering and Technology Zagreb
OP	14.45-15.00	Azra Jaganjac	TECHNICAL AND ECONOMIC ASPECTS OF THE USE THE FLUE GAS DESULPHURIZATION GYPSUM	University of Sarajevo, Faculty of Science Sarajevo
OP	15.00-15.15	K. Lisichkov	MODELLING OF THE PROCESS OF SEPARATION OF HEAVY METALS FROM WATER RESOURCES BY APPLICATION OF NATURAL AND MODIFIED BIOSORBENTS	Faculty of Technology and metallurgy, University “Ss. Cyril and Methodius”, st.Rugjer Boskovik 16, Skopje, Macedonia
OP	15.15-15.30	Sead Hrustanović	PRODUCTION OF α -GYPSUM BASED ON FLUE GAS DESULPHURIZATION GYPSUM	University of Sarajevo, Faculty of Science Sarajevo
WP	Working presidency		PhD Ivan Petric, associate professor PhD Zahida Ademović, associate professor PhD Vedran Stuhli, assistant professor	University of Tuzla, Faculty of Technology Tuzla
	15.30-15.45	GROUP PHOTOGRAPHY		
	15.45-16.30	DISCUSSION		
P	16.30-17.00	POSTER SECTION AND COFFEE BREAK		
P/1	Dejan Kojić	DESIGN OF ELASTOMERIC MATERIALS FOR GREEN TYRES PRODUCTION	University of Novi Sad, Faculty of Technology Novi Sad, Serbia	
P/2	Nediljka Vukojević Medvidović	EVALUATION OF LOW-COST SORBENTS AS POTENTIAL MATERIALS FOR IN SITU REMEDIATION OF GRUNDWATER CONTAMINATED WITH HEAVY METALS	University of Split, Faculty of Chemistry and Technology Split	
P/3	Ervin Karić	PROCESS SIMULATOR OF DISTILLATION COLUMN FOR SEPARATION OF BINARY SYSTEM	University of Tuzla, Faculty od Technology Tuzla	
P/4	Ervin Karic	MIXED INDUCTIVE-DEDUCTIVE STRATEGYIN MODELING THE COMPOSTING KINETICS	University of Tuzla, Faculty od Technology Tuzla	
P/5	Amira Cipurković	UV AND FT-IR SPECTROSCOPIC CHARACTERIZATION OF 4-[(4 METHYLPIPERAZIN-1-YL)METHYL]-N-[4-METHYL-3-[(4-PYRIDIN-3 YLPYRIMIDIN-2-YL)AMINO]PHENYL]BENZAMIDE (METHANESULFONIC ACID)	University of Tuzla, Department of Chemistry, Faculty of Natural Science and Mathematics	
P/6	Aida Šapčanin	SIGNIFICANCE OF HEAVY METAL ANALYSIS OF EDIBLE PLANTS OBTAINED FROM BOSNIAN MARKET	University of Sarajevo, Faculty of Pharmacy Sarajevo	
P/7	Edita Sarić	CONTROL OF HEAVY METAL CONTENT IN DIFFERENT TYPES OF VEGETABLES PRODUCED IN THE AREA OF ZENICA	Federal Institute for Agriculture, Sarajevo	
P/8	Aldina Kesic	CHANGE OF ANTIOXIDATION ACTIVITY OF HONEY WITH INFLUENCE OF DIFFERENT TEMPERATURES	University of Tuzla, Department of Chemistry, Faculty of Natural Science and Mathematics	

P/9	Ismar Terzić	TECHNOLOGIES FOR REDUCTION OF SULFUROXIDES FROM COAL POWDER PLANTS IN TUZLA REGION	University of Tuzla, Faculty of Technology Tuzla
P/10	Tijana Brčina	SENSORY PROPERTIES OF DAIRY PRODUCTS BASED ON FRESH CHEESE AND FRUIT	University of Tuzla, Faculty of Technology Tuzla
P/11	Milan Vukić	APPROXIMATION OF FRUIT FILLING HEAT STABILITY THROUGH TEXTURE AND PRINCIPAL COMPONENT ANALYSIS	University of East Sarajevo, Faculty of Technology, Zvornik
P/12	Dijana Miličević	HONEY BISCUIT WITH SUGAR BEET PULP AND APPLE POMACE	University of Tuzla, Faculty of Technology Tuzla
P/13	Suzana Jahić	THE INFLUENCE OF RAW MATERIALS AND DIFFERENT FERMENTATION INTERVALS ON QUALITY PARAMETERS OF THE TRADITIONALLY PRODUCED BOSNIAN SUZUK	University of Bihać, Biotechnical Faculty Bihać
P/14	Merima Toromanović	EFFECTIVENESS OF MUNICIPAL WASTEWATER PURIFICATION IN THE "GRMEČ" TEACHING CENTER USING PILOT - SCALE CONSTRUCTED WETLAND AS UNCONVENTIONAL METHOD FOR BIOLOGICAL TREATMENT	University of Bihać, Biotechnical Faculty Bihać
P/15	Aida Šapčanin	HEAVY METAL POLLUTION OF CHILDREN PLAYGROUND SOIL - HEALTH RISK	University of Sarajevo, Faculty of Pharmacy Sarajevo
P/16	Petra Najmova	BIODEGRADATION OF PETROLEUM HYDROCARBONS – CASE STUDIES IN MACEDONIA, KAZAKHSTAN AND CZECH REPUBLIC	Dekontaa.s.: Volutová Praha
P/17	Abdel Đozić	THE EFFECT OF HEAVY METALS ON THE QUALITY OF THE SEDIMENT OF RIVER OSKOVA	University of Tuzla, Faculty of Technology Tuzla
P/18	Abdel Đozić	VARIATION IN AMBIENT CONCENTRATIONS OF PM _{2.5} AND SO ₂ IN 2016 AND THEIR IMPACT ON AIR QUALITY OF THE TUZLA AND LUKAVCE URBAN AREA	University of Tuzla, Faculty of Technology Tuzla
P/19	Ajdina Suljević	MEMBRANE PROCESSES AND APPLICATION OF MEMBRANE PROCESSES	University of Tuzla, Faculty of Technology Tuzla
P/20	Amra Bratović	QUALITY ASSESSMENT OF NATIVE SOIL	University of Tuzla, Faculty of Technology Tuzla
P/21	Avdić Kemal	AGRICULTURE OF THE MUNICIPALITY OF SREBRENİK, STATE AND POSSIBILITY	University of Tuzla, Faculty of Technology Tuzla
P/22	Adela Mujić	THE IMPACT OF VARIOUS NOURISHMENT METHODS ON THE SOYBEAN CROP DURING 2017	University of Tuzla, Faculty of Technology Tuzla
P/23	Amra Bratović	DETERMINATION OF PHYSICAL-CHEMICAL PARAMETERS OF QUALITY OF WORKABLE SOIL	University of Tuzla, Faculty of Technology Tuzla
P/24	Amina Spahić	IMPACT OF ALTERNATIVE FUELS ON THE COMPOSITION OF FLUE GASES IN PRODUCTION OF CLINKER	University of Tuzla, Faculty of Technology Tuzla
P/25	Samra Halilović	DETERMINATION OF THE BIOMETHANIC POTENTIAL OF CORN GRAIN	University of Tuzla, Faculty of Technology Tuzla
P/26	Almir Šestan	INVESTIGATION OF THE HEAVY METALS CONCENTRATIONS (Fe, Mn, Cu, Zn AND Pb) IN THE NATURAL SYSTEM OF WATER/SEDIMENT OF SPREČA RIVER AND SELECTED TRIBUTARIES	University of Tuzla, Faculty of Science, Chemistry

	17.00-19.00	FREE ACTIVITIES
	19.00	DINNER PARTY RESTAURANT DRAMAR TUZLA

FRIDAY, 17.11.2017.

PL	09.00-09.20	Zdenko Lončarić	THE STATUS OF ESSENTIAL HEAVY METALS, HARMFUL ELEMENTS AND RESIDUES OF PESTICIDES IN AGRICULTURAL SOILS OF EASTERN CROATIA	University of Josip Juraj Strossmayer of Osijek Faculty of Agriculture Osijek
PL	09.20-09.40	Mirna Habuda-Stanić	WATER RESOURCES AND ORGANIC FOOD PRODUCTION	University of Josip Juraj Strossmayer of Osijek Faculty of Food Technology Osijek
OP	09.40 -09.50	Milena Ivanović	DEEP EUTECTIC SOLVENTS (DESS): EXTRACTION OF PHENOLIC COMPOUNDS FROM PLANT MATERIAL	University of Maribor, Faculty of Chemistry and Chemical Engineering
OP	09.50-10.00	Melisa Ahmetović	PHYSICAL-CHEMICAL CHARACTERIZATION OF BIOSORBENT ON THE BASE OF BARLEY STRAW AND POSSIBILITIES OF APPLICATION	University of Tuzla, Faculty of Technology Tuzla
OP	10.00-10.10	Jasmin Imširović	REDUCTION OF GREENHOUSE GAS (NITROGEN SUBOXIDE) IN THE PROCESS OF NITRIC ACID PRODUCTION - GIKIL – LUKAVAC	Global Ispat Koksna Industrija d.o.o. Lukavac
OP	10.10.-10.20	Edisa Papračanin	SENSITIVITY ANALYSIS OF THE PARAMETERS FOR THE MATHEMATICAL MODEL AND STATISTICAL ANALYSIS OF COMPOSTING PROCESS	University of Tuzla, Faculty of Technology Tuzla
OP	10.20-10.30	Besim Salkić	POMOLOGICAL CHARACTERISTICS OF FRUITS OF THE MOST REPRESENTED AUTOCHTHONOUS APPLE VARIETIES FROM THE AREA OF NORTHEAST BOSNIA	University of Tuzla, Faculty of Technology Tuzla
WP	Working presidency		PhD Besim Salkić, assistant professor PhD Mirsad Salkić, full professor PhD Aldina Kesić, associate professor	University of Tuzla, Faculty of Technology Tuzla
10.30 – 11.00		COFFEE BREAK		
OP	11.00-11.10	Jelena Bršadinac	ALTERNATIVE MEDIA FOR CARBON CAPTURE AND STORAGE	University of Tuzla, Faculty of Technology Tuzla
OP	11.10-11-20	Irma Nuhbegović	APPLICATION OF SLUDGE FROM THE PROCESS OF RAW SALT WATER PURIFICATION AS MATERIAL FOR FITOREMEDIATION AND GEOPOLYMER PRODUCTION	University of Tuzla, Faculty of Technology Tuzla
OP	11-20-11.30	Sanja Selimović	TOURISM FOR ELDER PEOPLE	IPAK Institute for Symbolic Analysis and Development of Information Technologies Velenje
OP	11.30-11.40	Sisecam soda Lukavac d.o.o.	IMPROVEMENT OF PROCESS PARAMETERS IMPROVED BY REDUCTION OF WASTE WATER DISHWASHER FROM SSL	Sisecam soda Lukavac d.o.o.

OP	11.40-11.50	Huso Jašarević	MANAGING AND QUALITY CONTROL OF COKE WITH A MATHEMATICAL MODEL	Global Ispat Koksna Industrija d.o.o. Lukavac
WP	Working presidency		PhD Gordan Avdić, associate professor PhD Dijana Miličević, associate professor PhD Nidret Ibrić, assistant professor	University of Tuzla, Faculty of Technology Tuzla
	11.50-12.15	DISCUSSION AND CONCLUSION OF SYMPOSIUM		
	12.15	SYMPOSIUM END		

Legend:

PL – Planar Lecture

OP – Oral Presentation

PP – Poster Presentation

WP – Working Presidency