



The 6th International Conference
ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2017

March 3, 2017

Session A: Ecological Chemistry

*Blue Hall of the Academy of Sciences of Moldova (ASM),
1 Stefan cel Mare Blvd., Chisinau, Republic of Moldova*

EEC-2017 Session A Activities		Location
9:00-9:30	Participants Registration	ASM Blue Hall
9:30-9:40	PARTICIPANTS WELCOME: <i>Acad., Prof. Gheorghe DUCA, President of the Academy of Sciences of Moldova</i>	
9:40-11:00	MODERATORS: <i>Dr. Olga BELYAEVA, Center for Ecological-Noosphere Studies of the National Academy of Sciences, Armenia</i> <i>Dr. Tatiana TUGUI, Environmental Pollution Prevention Office, Moldova</i>	
PRESENTATIONS		
9:40-9:50	ECOGEOCHEMICAL STUDIES AND SOILS HEAVY METALS HEALTH RISK ASSESSMENT IN MINING REGION <i>Dr. Olga BELYAEVA, Center for Ecological-Noosphere Studies of the National Academy of Sciences, Armenia</i>	
9:50-10:00	INVENTORY OF MERCURY RELEASES IN THE REPUBLIC OF MOLDOVA <i>Dr. Tatiana TUGUI, Environmental Pollution Prevention Office, Moldova</i>	
10:00-10:10	HEAVY METALS POTENTIAL ECOLOGICAL AND HEALTH RISK ASSESSMENT IN YEREVAN'S TOPSOIL (ARMENIA) <i>Dr. Gevorg TEPANOSYAN, Center for Ecological-Noosphere Studies of the National Academy of Sciences, Armenia</i>	
10:10-10:20	POLLUTION OF THE FOOD CHAIN AND ENVIRONMENT BY PHTHALATES FROM POLYMERS MATERIALS <i>Prof. Rodica STURZA, Technical University of Moldova</i>	
10:20-10:30	EXPEDIENCY OF BIOLOGY ACTIVITY PROVIDING DURING THE MODIFICATION AT THE PROCESSES OF SECONDARY TREATMENT OF POLYMERS <i>Dr. Rahima MAMMADOVA, Azerbaijan State Pedagogical University, Azerbaijan</i>	
10:30-10:40	CORRELATIONS BETWEEN ECO-TOXICITY AND CHARACTERISTICS OF SOME INSECTICIDES <i>Dr. Alina Maria PETRESCU, West University of Timisoara, Faculty of Chemistry, Biology, Geography, Romania</i>	
10:40-10:50	PHYSICO-CHEMICAL AND CHEMICAL-BIOLOGICAL PROCESSES THAT UNDERLIE THE ACTION OF PESTICIDES ON ECOSYSTEMS AND HUMAN <i>Dr. Elena SARATOVSKIKH, Institute of Problem of Chemical Physics, Russian Academia of Science, Russian Federation</i>	
10:50-11:00	ANCHORED DIOXO-MO-COMPLEX AS PHOTOCATALYST IN OXIDATION OF HALOGEN DERIVATIVES OF AROMATIC HYDROCARBONS <i>Dr. Loretta MANUCHAROVA, Nalbadyan Institute of Chemical Physics, NAS of Armenia</i>	



11:00-11:30	Tea/Coffee	ASM Gold Hall
11:30-13:00 PRESENTATIONS	MODERATORS: <i>Prof. Grigoryi IVACHNYUK, SPb Technological Institute, Russia</i> <i>Dr. David PIPOYAN, Center for Ecological-Noosphere Studies of the National Academy of Sciences, Armenia</i>	
11:30-11:40	SURFACE ENHANCED SPECTROSCOPY IN ECOLOGICAL AND ENVIRONMENTAL CHEMISTRY <i>Prof. Galina DOVBESHKO, Institute of Physics National Academy of Sciences of Ukraine</i>	
11:40-11:50	RISK ASSESSMENT OF POPULATION EXPOSURE TO TOXIC TRACE ELEMENTS VIA CONSUMPTION OF VEGETABLES AND FRUITS GROWN IN FARMLANDS UNDER THE IMPACT OF MINING INDUSTRY <i>Dr. David PIPOYAN, Center for Ecological-Noosphere Studies of the National Academy of Sciences, Armenia</i>	
11:50-12:00	NANOTECHNOLOGICAL AND ELECTROPHYSICAL INNOVATIONS IN SAFETY PROVISION <i>Prof. Grigoryi IVACHNYUK, SPb Technological Institute, Russia</i>	
12:00-12:10	KINETIC AND THERMODYNAMIC STUDIES OF THE Co(II) AND Ni(II) IONS REMOVAL FROM AQUEOUS SOLUTIONS BY Ca-Mg PHOSPHATE SORBENTS <i>Dr. Andrei IVANETS, Institute of General and Inorganic Chemistry, NAS Belarus</i>	
12:10-12:20	EFFECTS OF GEMFIBROZIL AND β-ESTRADIOL ON MINERAL ELEMENTS UPTAKE IN TRITICUM AESTIVUM L. <i>Dr. Ertuğrul FİLİZ, Düzce University, Turkey</i>	
12:20-12:30	MEASURES AGAINST GLOBAL EXPOSURE TO POLYCHLORINATED NAPHTHALENES <i>Dr. Svitlana SUKHOREBRA, Stockholm Convention POPRC Ex-Member, Kyiv, Ukraine</i>	
12:30-12:40	ASSESSMENT OF ECOLOGICAL STATUS OF RIVER WITH ARMENIAN WATER QUALITY INDEX <i>Mr. Arsen SIMONYAN, Yerevan State University, Armenia</i>	
12:40-12:50	LEAD-EXPOSURE ASSESSMENT OF HUMAN HEALTH <i>Ms. Elena JARDAN, National Center of Public Health, Moldova</i>	
12:50-13:00	GROWTH OF CELLS METHYLOCOCCUS CAPSULATUS (M) UNDER CONDITIONS OF EXCESS AND DEFICIENCY OF COPPER IN GROWTH MEDIUM <i>Ms Lidiya AVDEEVA, Institute of Problems of Chemical Physics RAS, Russia</i>	
13:00-14:00	Lunch	ASM Gold Hall
14:00-15:30 PRESENTATIONS	MODERATORS: <i>Dr. Elena KORNILOVA, North-Caucasian Social Institute, Stavropol, Russia</i> <i>Dr. Etem OSMA, Erzincan University, Turkey</i>	
14:00-14:10	MIGRATION OF MACRO- AND MICROELEMENTS IN THE ECOSYSTEMS OF THE DNIESTER RIVER <i>Prof. Elena ZUBCOV, Institute of Zoology ASM, Moldova</i>	
14:10-14:20	THE STUDY OF THE CHEMICAL COMPOSITION OF NATURAL MINERAL WATERS OF DIFFERENT ORIGINS OF THE REPUBLIC OF MOLDOVA <i>Dr. Elena KORNILOVA, North-Caucasian Social Institute, Stavropol, Russia</i>	
14:20-14:30	USAGE ONE OF THE PRINCIPLES CHEMICAL COMMUNICATION OF INSECTS FOR BIOCONTROL ORCHARD PLUM <i>Dr. Natalia RAILEANU, Institute of Genetics, Physiology and Plant Protection ASM, Moldova</i>	



14:30-14:40	INVESTIGATION OF EFFECTS OF ACETAMINOPHEN AND CAFFEINE ON MINERAL ELEMENT UPTAKE IN TRITICUM AESTIVUM L. <i>Dr. Etem OSMA, Erzinan University, Turkey</i>
14:40-14:50	SYNTHESIS AND ANTILEUKAEMIA ACTIVITY OF N-(2,4-DIMETHYLPHENYL) HYDRAZINECARBOTHIOAMIDE AND ITS AZOMETHINE DERIVATIVES <i>Ms. Tatiana ERHAN, Moldova State University, Moldova</i>
14:50-15:00	MODIFICATION OF SORBENTS TO REDUCE TOXICITY OF WOOD-GLUED COMPOZITE MATERIALS <i>Ms Tatiana KULKOVA, A.N. Frumkin Institute of Physical Chemistry and Electrochemistry RAS, Russia</i>
15:00-15:10	X-RAY CHARACTERIZATION OF BIS[2-(2H-BENZOTRIAZOL-2-YL)-4,6-BIS(1-METHYL-1-PHENYLETHYL)PHENOLATO]PALLADIUM(II) COMPLEXES <i>Ms. Olesia CUZAN, Institute of Chemistry ASM, Moldova</i>
15:10-15:20	Discussion of EEC-2017 Conference Resolution and formulation of proposals on behalf of Session A
15:30-16:00	Conference Conclusions and Recommendations ASM Blue Hall <i>Academy of Sciences of Moldova</i> <i>1 Stefan cel Mare Blvd., Chisinau</i>
16:00	Closing Reception ASM Gold Hall <i>Academy of Sciences of Moldova</i> <i>1 Stefan cel Mare Blvd., Chisinau</i>
9:00-16:00	Poster session is available during the Session A ASM Blue hall
POSTERS	STUDY THE PROCESS OF INHIBITION OF INDAPAMIDE NITROSATION BY DIHYDROXYFUMARIC ACID - DNA CO-POLYMER <i>Maria GONTA, Gheorghe DUCA, E. SIRBU, Moldova</i>
	ASSESSMENT OF HEAVY METALS IN FOODS OF ANIMAL ORIGIN IN CENTRAL TRANSYLVANIA, ROMANIA <i>Oana CADAR, Tatiana STRATULAT, Mirela MICLEAN, Alexandra HOAGHIA, Claudiu TANASELIA, Aliona MEREUTA, Romania, Moldova</i>
	ECOLOGICAL CHEMISTRY OF THE NATURAL WATERS <i>Viorica GLADCHI, Moldova</i>
	A COMPLEX ECOLOGICAL AND GEOCHEMICAL ASSESSMENT OF HEAVY METAL DISTRIBUTION IN SOILS OF CITY OF GYUMRI (ARMENIA) <i>Lilit SAHAKYAN, Gevorg TEPANOSYAN, Mkhitar KAFYAN, Armen SAGHATELYAN, Armenia</i>
	ADVANTAGES OF MODIFICATION OF EXPLOITED LDPE WITH NANOSIZE BIOLOGICALLY ACTIVE SUBSTANCES <i>Rahima MAMMADOVA, Oktay AKPEROV, Azerbaijan</i>
	RESPONSE OF SOIL PHOSPHATASES TO CONTAMINATED WITH CREOSOTE <i>Arkadiusz TELESIŃSKI, Martyna ŚNIOZSEK, Teresa KRZYŚKO-LUPICKA, Krystyna CYBULSKA, Kornel CURYŁO, Poland</i>
	HYDROCHEMISTRY OF A SMALL RIVER IN A BIG CITY: RIVER HRAZDAN AND CITY OF YEREVAN (ARMENIA) <i>Gayane BABAYAN, G.A. SAHAKYAN, Armenia</i>
	CHLORO-ALKALINE INDEX OF SPRINGS WATER <i>Maria SANDU, Sergiu TURCAN, Moldova</i>
	BIOASSAY AND ESTIMATION OF THE TOXICITY OF METALLOORGANIC COMPOUNDS IMPACTING THE POPULATION OF PARAMECIUM CAUDATUM <i>Ion TODERAŞ, Aurelian GULEA, Elena ROŞCOV, Olga GARBUZ, Moldova</i>
	THE EFFECTS OF GEMFIBROZIL AND β-ESTRADIOL ON ELECTROLYTE LEAKAGE IN TRITICUM AESTIVUM L. <i>Etem OSMA, Müjgen ELVEREN, Turkey</i>



SUPRAMOLECULAR ARCHITECTURES OF IONIC CO-CRYSTALS BASED ON 4-NITROBEZOIC ACID AND ALKANOLAMINES

Manuela CRISAN, Mihaela PETRIC, Nicoleta PLESU, Elena MELNIC, Lilia CROITOR, Victor KRAVTSOV, Pavlina BOUROSH, Romania, Moldova

ANTIMICROBIAL ACTIVITY OF EXTRACTS FROM FORESTRY WASTES

Tudor LUPASCU, Nina TIMBALIUC, Natalia PETROV, Lucian LUPASCU, Moldova

INFLUENCE OF HEAVY METALS ON INVERTEBRATE ORGANISMS FROM DIVERSE TYPES OF ECOSYSTEMS

Vition PANTELEI, Moldova

(ECO)TOXICITY OF ISOQUINOLINIUM 2,2'-THIODIACETATE TO ORGANISMS FROM DIFFERENT TROPHIC LEVELS

Robert BICZAK, Barbara PAWŁOWSKA, Marika TUREK, Piotr BAŁCZEWSKI, Bernard MARCINIAK, Małgorzata DESKA, Ewa RÓŻYCKA-SOKOŁOWSKA, Poland

THE USE OF INFRARED SPECTROSCOPY IN THE INVESTIGATION OF HUMAN URINARY STONE CONTAINING WHEWELLITE

Diana SHEPEL, Pavel BANOV, Ekaterina VIERU, Moldova

A INFRARED SPECTROSCOPY INVESTIGATION OF HUMAN URINARY STONE CONTAINING WHITLOCKITE

Diana SHEPEL, Pavel BANOV, Ekaterina VIERU, Moldova

HEAVY METALS POTENTIAL ECOLOGICAL AND HEALTH RISK ASSESSMENT IN YEREVAN'S TOPSOIL (ARMENIA)

Gevorg TEPANOSYAN, Lilit SAHAKYAN, Nairuhi MAGHAKYAN, Armen SAGHATELYAN

COMPARISON OF PHYTOTOXICITY OF BIS(ALKYLAMMONIUM) 2,2'-THIODIACETATES

Barbara PAWŁOWSKA, Robert BICZAK, Marika TUREK, Piotr BAŁCZEWSKI, Bernard MARCINIAK, Małgorzata DESKA, Ewa RÓŻYCKA-SOKOŁOWSKA, Poland

APPLICATION OF INTEGRATED METHOD FOR WATER QUALITY ASSESSMENT OF RIVER BISTRITA ON THE SECTION PIATRA-NEAMT – BACAU

Claudia TOMOZEI, Oana IRIMIA, Valentin NEDEFF, Narcis BARSAN, Mirela Panainte LEHADUS, Alina COCHIORCA, Romania

SILICA DOPED WITH SILVER OR CERIUM IONS AS NOVEL CATALYSTS FOR OXIDATIVE DEGRADATION OF ORGANIC COMPOUNDS

Evgeniya TARASENKO, Olga LEBEDEVA, Tram THI THUI, Olga NESTROYNAYA, Russia

ASSESSMENT OF THE SELF-PURIFICATION CAPACITY OF VALEA MORILOR'S LAKE

Elena BUNDUCHI, Nelly GOREACEVA, Maria LUTENCO, Moldova

ROLE OF GLUTATHIONE IN THE PHOTOCHEMICAL SELF-PURIFICATION PROCESSES OF WATER SYSTEMS

Angela LIS, Viorica GLADCHI, Gheorghe DUCA, Moldova

STUDIES AND RESEARCH ON PHRAGMITES AUSTRALIS' (COMMON REED) ABSORPTION CAPACITY OF HEAVY METALS FROM THE SOIL IN ROMAN CITY, ROMANIA

Alexandra-Dana CHIȚIMUȘ, Valentin NEDEFF, Emilian MOȘNEGUȚU, Narcis BÂRSAN, Oana IRIMIA, Oana MUSCALU, Romania

EXPERIMENTAL RESULTS REGARDING THE GROUNDWATER QUALITY IN BACAU CITY, ROMANIA

Oana IRIMIA, Claudia TOMOZEI, Valentin NEDEFF, Mirela PANAINTE-LEHADUS, Dana-Alexandra CHITIMUS, Florina FABIAN, Romania

A SMALL-SCALE SEQUENCING BATCH REACTOR TREATMENT SYSTEM, A PERSPECTIVE FOR POOR WASTEWATER INFRASTRUCTURE REGIONS

Narcis BARSAN, Valentin NEDEFF, Antonina TEMEA, Emilian MOSNEGUTU, Alexandra Dana CHITIMUS, Claudia TOMOZEI, Romania



THE PAIRING OF VEGETABLE WITH 5-FLUOROURACIL

Radu CEBOTARI, Moldova

NON-ISOTHERMAL KINETICS OF DEHYDRATION, COMBUSTION AND ACTIVATION OF NUT SHELLS WITH PHOSPHORIC ACID

Oleg PETUHOV, Tudor LUPASCU, Moldova

APPLICATION OF THERMAL ANALYSIS IN MODELING PROCESSES OF OBTAINING ACTIVATED CARBON

Oleg PETUHOV, Tudor LUPASCU, Moldova

N₂S₂ BASED MOLECULAR SYSTEMS FOR ELECTROCATALYTIC PROTON REDUCTION

Tatiana STRAISTARI, Marius REGLIER, Constantin TURTA, Moldova, France

IN VITRO ANTIPROLIFERATIVE ACTIVITY AND ANTIOXIDANT CAPACITY OF NEW ORGANOMETALLIC COORDINATION COMPOUNDS, RESULTS CORRELATION ANALYSIS

Aurelian GULEA, Valentin GUDUMAC, Olga GARBUZ, Lilia ANDRONACHE, Moldova

COMPARATIVE EVALUATION OF THE EFFECTIVENESS OF EURASIAN NATURAL BALNEOLOGICAL HYDROMINERAL RESOURCES ACCORDING TO THE BIOCHEMICAL STUDIES OF BLOOD

Elena KORNILOVA, Nikolay KORNILOV, Ivan CHUKSIN, Russia

IMPACTS OF TRIAL CALCIUM CARBONATE DOSING FOR pH MITIGATION ON CHEMICAL AND ECOLOGICAL QUALITY OF THE WEST DART RIVER

Lauren DAWSON, Sean COMBER, Richard SANDFORD, Alan TAPPIN, Bruce STOCKLEY, UK

