



The 6th International Conference ECOLOGICAL & ENVIRONMENTAL CHEMISTRY-2017

www.eec-2017.mrda.md, March 2-3, 2017, Chisinau, Republic of Moldova

**The 6th International Conference
ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2017**

March 2-3, 2012

Academy of Sciences of Moldova (ASM), 1 Stefan cel Mare Str., 2001 MD, Chisinau, Republic of Moldova

Preliminary Program Structure

| Date | EEC-2017 Sessions/Activities | Place |
|--------------------|---|---|
| | March 1, 2017 | |
| | Participants Arrival and Accommodation | Hotels |
| 19:00 | Welcome/Networking Reception | Jolly Alon Hotel |
| | March 2, 2017 | |
| 8:00-9:00 | Participants Registration | ASM Lobby |
| 9:00-9:30 | Conference Welcome | ASM Blue Hall |
| 9:30-11:00 | Plenary Session | ASM Blue Hall |
| 11:00 | Group Photo | ASM Blue Hall |
| 11:00-11:30 | Tea/Coffee | ASM Gold Hall |
| 11:30-13:00 | Plenary Session | ASM Blue Hall |
| 13:00-14:00 | Lunch | ASM Gold Hall |
| 14:00-15:30 | Plenary Session | ASM Blue Hall |
| 15:30-16:00 | Tea/Coffee | ASM Gold Hall |
| 16:00-17:30 | Plenary Session | ASM Blue Hall |
| 18:00 | Networking Reception | Cultural Program |
| | March 3, 2017 | |
| 9:00-9:30 | Participants Registration | At the sessions location |
| 9:30-11:00 | Session A: Ecological Chemistry | ASM Blue Hall |
| | Session B: Environmental Chemistry and Engineering | ASM Small Hall |
| | Session C: Green Chemistry | Central Scientific Library, A. Lupan, ASM 3/5 Academiei Str., Conference Hall |
| | Session D: Ecological & Environmental Aspects in Chemical Research and Education | State University of Moldova 60 Mateevici Str., Building IV 2 nd Floor, Room 222 |
| | Session E: Young Scientists Research in Ecological & Environmental Chemistry | University ASM 3/2 Academiei Str. Conference Hall-1 |
| 11:00-11:30 | Tea/Coffee | At the sessions location |
| 11:30-13:00 | Work in Sessions: continuation | At the sessions location |
| 13:00-14:00 | Lunch | At the sessions location |
| 14:00-15:30 | Work in Sessions: continuation | At the sessions location |
| 16:00-17:00 | Conference Conclusions and Recommendations | ASM Blue Hall |
| 17:00 | Closing Reception | ASM Gold Hall |
| | March 4, 2017 | |
| | Participants Departure | |



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> | |



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| 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> | |



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| 14:30-14:40 | INVESTIGATION OF EFFECTS OF ACETAMINOPHEN AND CAFFEINE ON MINERAL ELEMENT UPTAKE IN TRITICUM AESTIVUM L. <i>Dr. Etem OSMA, Erzincan 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 | <p>STUDY THE PROCESS OF INHIBITION OF INDAPAMIDE NITROSATION BY DIHYDROXYFUMARIC ACID - DNA CO-POLYMER <i>Maria GONTA, Gheorghe DUCA, E. SIRBU, Moldova</i></p> <p>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></p> <p>ECOLOGICAL CHEMISTRY OF THE NATURAL WATERS <i>Viorica GLADCHI, Moldova</i></p> <p>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></p> <p>ADVANTAGES OF MODIFICATION OF EXPLOITED LDPE WITH NANOSIZE BIOLOGICALLY ACTIVE SUBSTANCES <i>Rahima MAMMADOVA, Oktay AKPEROV, Azerbaijan</i></p> <p>RESPONSE OF SOIL PHOSPHATASES TO CONTAMINATED WITH CREOSOTE <i>Arkadiusz TELESINSKI, Martyna ŚNIOSEK, Teresa KRZYŹKO-LUPICKA, Krystyna CYBULSKA, Kornel CURYŁO, Poland</i></p> <p>HYDROCHEMISTRY OF A SMALL RIVER IN A BIG CITY: RIVER HRAZDAN AND CITY OF YEREVAN (ARMENIA) <i>Gayane BABAYAN, G.A. SAHAKYAN, Armenia</i></p> <p>CHLORO-ALKALINE INDEX OF SPRINGS WATER <i>Maria SANDU, Sergiu TURCAN, Moldova</i></p> <p>BIOASSAY AND ESTIMATION OF THE TOXICITY OF METALLOORGANIC COMPOUNDS IMPACTING THE POPULATION OF PARAMECIUM CAUDATUM <i>Ion TODERAȘ, Aurelian GULEA, Elena ROȘCOV, Olga GARBUZ, Moldova</i></p> <p>THE EFFECTS OF GEMFIBROZIL AND β-ESTRADIOL ON ELECTROLYTE LEAKAGE IN TRITICUM AESTIVUM L. <i>Etem OSMA, Mijgen ELVEREN, Turkey</i></p> | |



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 BISTRIȚA 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 MOȘNEGUTU, 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





The 6th International Conference ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2017

March 3, 2017

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

Session B: Environmental Chemistry and Engineering

| EEC-2017 Session B | | Location |
|------------------------------------|--|----------------|
| 9:00-9:30 | Participants Registration | ASM Small Hall |
| 9:30-9:40 | PARTICIPANTS WELCOME <i>Ms. Violeta IVANOV, President of the Committee for Public Administration, Regional Development, Environment and Climate Change, Parliament of Republic of Moldova</i> | |
| 9:40-11:00 PRESENTATIONS | MODERATORS: <i>Prof. Boguslaw BUSZEWSKI, Faculty of Chemistry, Nicolaus Copernicus University in Torun, Poland</i> <i>Dr. Gheorghe IONITA, National Research Institute for Cryogenics and Isotopic Technologies-ICSI, Ramnicu Valcea, Romania</i> | |
| 9:30-9:40 | MOLECULAR STRUCTURE AND PROPERTIES OF WATER, AND ENVIRONMENT PROBLEMS <i>Prof. Ion GERU, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i> | |
| 9:40-9:50 | ASPECTS CONCERNING PREPARATION OF SUITABLE CATALYST FOR HEAVY WATER DETRITATION <i>Dr. Gheorghe IONITA, National Research Institute for Cryogenics and Isotopic Technologies-ICSI, Ramnicu Valcea, Romania</i> | |
| 9:50-10:00 | ECOLOGICAL ASPECTS OF THE IMPACT OF THE INDUSTRIAL OBJECTS ON THE WATER OF THE TRANSBOUNDARY RIVERS OF THE CENTRAL ASIA <i>Prof. Inom NORMATOV, Institute of Water problems, Hydropower and Ecology of the Academy of Sciences of the Republic of Tajikistan, Dushanbe, Tajikistan</i> | |
| 10:00-10:10 | THE SONOCHEMICAL PROCESSES FOR WASTEWATER TREATMENT, PIONEER WORKS IN ROMANIA <i>Dr. Mihaela IORDACHE, INCD ECOIND, Ramnicul Valcea, Romania</i> | |
| 10:10-10:20 | THE FUTURE ROLE OF ACTIVE CARBONS <i>Prof. Victor MUKHIN, Join stoct company «ENPO «Neorganika», Elektrostal, Russia</i> | |
| 10:20-10:30 | POLYMERIC FIBROUS NONWOVENS AS SORBENT MATERIALS FOR OIL SPILL CLEANUP <i>Dr. Corneliu COJOCARU, Petru Poni Institute of Macromolecular Chemistry, Romania</i> | |
| 10:30-10:40 | FEATURES OF TRANSFORMATION OF REDUCED SULFUR IN AQUEOUS MEDIUM WITH OXYGEN, HYDROGEN PEROXIDE AND METAL IONS OF VARIABLE VALENCE <i>Dr. Viacheslav SHVYDKYI, Emanuel Institute of Biochemical Physics, Russian Academy of Science, Russia</i> | |
| 10:40-10:50 | BIOGAS UPGRADING USING AN INTEGRATED CLOSED SYSTEM <i>Ms. Ana Maria GALAN, The National R&D Institute for Chemistry and Petrochemistry, Romania</i> | |
| 10:50-11:00 | REMOVAL EFFICIENCIES OF A HYBRID CONSTRUCTED WETLAND TREATING AGRICULTURAL WASTEWATERS UNDER THE DIFFERENT LOADING STRATEGIES <i>Mr. Michal ŠEREŠ, Dekonta, a.s.; University of Chemistry and Technology Prague, Czech Republic</i> | |



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| 11:00-11:30 | Tea/Coffee | ASM Gold Hall |
| 11:30-13:00 | MODERATORS: | |
| PRESENTATIONS | <p><i>Prof. Anatolie SIDORENCO, Institute of Electronic Engineering and Nanotechnologies ASM, Moldova</i></p> <p><i>Prof. Ashok VASEASHTA, International Clean Water Institute, Manassas, VA, USA</i></p> | |
| 11:30-11:40 | <p>ENVIRONMENTAL-FRIENDLY TECHNOLOGY OF SEEDS ELECTROMAGNETIC TREATMENT FOR STIMULATION OF THE PLANTS DEVELOPMENT</p> <p><i>Prof. Anatolie SIDORENCO, Institute of Electronic Engineering and Nanotechnologies ASM, Moldova</i></p> | |
| 11:40-11:50 | <p>STRUCTURAL AND CHEMICAL MODIFICATION OF THE INDUSTRIAL POLYMERS</p> <p><i>Prof. Alexandr BILDYUKEVICH, Institute of Physical Organic Chemistry of the National Academy of Sciences of Belarus, Belarus</i></p> | |
| 11:50-12:00 | <p>IMPROVING SURFACE WATER QUALITY ASSESSMENT METHODS BY SEMIQUANTITATIVE AND MULTIELEMENTAL SPECTROMETRIC METHODS</p> <p><i>Dr. Claudiu TĂNĂSELIA, INCDO-INOE 2000 ICIA, Cluj-Napoca, Romania</i></p> | |
| 12:00-12:10 | <p>TRANSFORMATION OF POLYCYCLIC AROMATIC HYDROCARBONS AT THE DEGRADATION OF OIL</p> <p><i>Prof. Islam MUSTAFAYEV, Institute of Radiation Problems National Academy of Sciences, Azerbaijan</i></p> | |
| 12:10-12:20 | <p>MAGNETIC NANOPARTICLES AS SPECIFIC SORBENTS FOR THE REMOVAL OF DYES FROM AQUEOUS SOLUTIONS</p> <p><i>Dr. Simona Gabriela MUNTEAN, Institute of Chemistry Timisoara of the Romanian Academy, Romania</i></p> | |
| 12:20-12:30 | <p>GREEN TECHNOLOGIES IN THE TREATMENT OF WATER AND LIQUID FOODSTUFFS</p> <p><i>Dr. Farda IMANOV, "Azersu" Open-Type Joint Stock Company, Azerbaijan</i></p> | |
| 12:30-12:40 | <p>ION EXCHANGER/CaCO₃ COMPOSITES AS SORBENTS FOR IONIC MOLECULES</p> <p><i>Dr. Marcela MIHAI, "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania</i></p> | |
| 12:40-12:50 | <p>PHOTOCATALYTIC SEMICONDUCTORS BASED NANOCOMPOSITE MATERIALS SYNTHESIZED BY LASER TECHNIQUES</p> <p><i>Dr. Angela DATCU, National Institute for Lasers, Plasma and Radiation Physics, Romania</i></p> | |
| 12:50-13:00 | <p>ECOFRIENDLY METHOD FOR PRODUCTION OF BIODEGRADABLE HYDROPHOBIC STARCH FILMS</p> <p><i>Mrs. Arkadiusz ZARSKI, Jan Długosz University of Częstochowa, Poland</i></p> | |
| 13:00-14:00 | Lunch | ASM Gold Hall |
| 14:00-15:30 | MODERATORS: | |
| PRESENTATIONS | <p><i>Acad., Prof. Vladimir AGABEKOV, Director of the Institute of Chemistry of New Materials of the National Academy of Sciences of Belarus</i></p> <p><i>Dr. Grigor TATISHVILI, "R. Agladze" Institute of Inorganic Chemistry and Electrochemistry of the Javakhishvili Tbilisi State University, Georgia</i></p> | |
| 14:00-14:10 | <p>MULTI-USE FIBROUS SORBENT FOR ELIMINATION OF EMERGENCY SPILLS OF OIL AND OIL-PRODUCTS</p> <p><i>Acad., Prof. Vladimir AGABEKOV, Director of the Institute of Chemistry of New Materials of the National Academy of Sciences of Belarus</i></p> | |
| 14:10-14:20 | <p>LOW-TEMPERATURE FUEL CELL FOR PURIFICATION OF WATERS FROM HYDROGEN SULFIDE</p> <p><i>Dr. Grigor TATISHVILI, "R. Agladze" Institute of Inorganic Chemistry and Electrochemistry of the Javakhishvili Tbilisi State University, Georgia</i></p> | |



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| 14:20-14:30 | THE DYNAMICS OF CHANGES IN CHLORINE CONCENTRATIONS IN TREE LEAVES IN YEREVAN <i>Dr. Gayane NERSISYAN, Center for Ecological-Noosphere Studies of the National Academy of Sciences, Armenia</i> | |
| 14:30-14:40 | STUDY OF SORPTION BEHAVIOUR OF Sr(II) IONS ONTO MANGANESE OXIDES WITH LAYERED AND TUNNEL STRUCTURES <i>Dr. Andrei IVANETS, Institute of General and Inorganic Chemistry, NAS Belarus</i> | |
| 14:40-14:50 | CONTENT AND CHARACTERISTICS OF WASTE OF OIL TRANSPORTATION BY PIPELINES <i>Dr. Nigar GULIYEVA, Institute of Radiation Problems National Academy of Sciences, Azerbaijan</i> | |
| 14:50-15:00 | CHANGES IN THE STRUCTURAL COMPOSITION OF THE DEGRADATED OIL AT THE WATER SURFACE <i>Ms. Ayten SAMADOVA, Baku State University, Azerbaijan</i> | |
| 15:00-15:10 | Discussion of EEC-2017 Conference Resolution and formulation of proposals on behalf of Session B | |
| 15:30-16:00 | EEC-2017 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 B | At the session location |
| POSTERS | OPTIMIZATION OF WATER CONSUMPTION IN GALVANIC INDUSTRY <i>Nikolai BEREZIN, Irina GRIGORYEVA, Marat MAVLETOV, Aynur YARULLIN, Russia</i> | |
| | ROLE OF COMPLEX FORMATION AND PULSE CURRENT IN PROCESSES OF ELECTROCHEMICAL DOPING OF GALVANIC <i>Jeanne MEZHEVICH, Nikolai BEREZIN, Irina GRIGORYEVA, Russia</i> | |
| | COMPARATIVE STUDY OF ELECTROFLOATATION, COAGULATION, AND ELECTROFLOTOCOAGULATION METHODS OF PLASTICIZERS (DMPA) IN THE PRESENCE OF TEXTILE DYES <i>Maria GONTA, Gheorghe DUCA, Viorica IAMBARȚEV, Vera MATVEEVICI, Moldova</i> | |
| | NICKEL CEMENTATION FROM AMMONIACAL SOLUTION BY SUSPENDED ALUMINUM PARTICLES <i>Irina GRIGORYEVA, Jeanne MEZHEVICH, Alexander DRESVYANNIKOV, Russia</i> | |
| | TREATMENT OF CHROMIUM ELECTROPLATING EFFLUENTS BY CHEMICAL AND ELECTROCHEMICAL COAGULATION PROCESS <i>Konstantinos DERMENTZIS, Greece</i> | |
| | REMOVAL OF NYSTATIN FROM AQUEOUS SOLUTION BY ADSORPTION ONTO NANOHYDROXYAPATITE <i>Simona ILISEI, Gabriela CIOBANU, Constantin LUCA, Romania</i> | |
| | CLEANING OF WATERS OF DIFFERENT ORIGIN FROM NONIONOGENIC ORGANIC SURFACTANTS BY LOW-TEMPERATURE PLASMA ELECTROLYSIS <i>Valeriy KUBLANOVSKY, Alexander KRAVCHENKO, Ukraine</i> | |
| | ADSORPTION OF SR²⁺ IONS FROM WATER SOLUTIONS ON ACTIVE CARBON CAN-7 IN DYNAMIC CONDITIONS <i>Mihai CIOBANU, Tudor LUPASCU, Tatiana MITINA, Moldova</i> | |
| | CENTRIFUGATION – AN EFFECTIVE METHOD FOR INTENSIFYING ADSORPTION PROCESS IN WATER TREATMENT <i>Alexei MAFTULEAC, Nina TIMBALIUC, Moldova</i> | |



ACOUSTIC SOUNDING OF ATMOSPHERE BY HAIL-SUPPRESSION SYSTEM

Gagik AYVAZYAN, Razmik BARSEGHYAN, Arman VARDANYAN, Armenia

REMEDIATION OF POPS POLLUTED SITES IN REPUBLIC OF MOLDOVA

Oleg BOGDEVICH, Elena CULIGHIN, Tudor LUPASCU, Moldova

THE PROCESS OF THE RADIOACTIVE ELEMENTS EXTRACTION FROM WASTEWATER BY LOW-TEMPERATURE PLASMA ELECTROLYSIS

Alexander KRAVCHENKO, Alexander PIVOVAROV, Valeriy KUBLANOVSKY, Oksana BERSIROVA, Ukraine

STUDY OF RARE EARTH - DOPED FERRITES NANOPARTICLES MODIFIED WITH CHITOSAN SHELL AND THEIR SORPTIVE PROPERTIES FOR HEAVY METAL IONS

Maria IGNAT, Samoila PETRISOR, Iulian ASAFTEI, Corneliu COJOCARU, Liviu SACARESCU, Valeria HARABAGIU, Romania

DISTRIBUTION AND FORMS OF SOME TRACE ELEMENTS IN DELLUVIAL TYPICAL SOILS FROM REPUBLIC OF MOLDOVA

Tamara LEAH, Moldova

ESTIMATING OF IMPACT ON PEOPLE'S HEALTH OF AIR POLLUTION EMISSIONS FROM TRANSPORT IN URBAN AREA IN MOLDOVA

Tatiana STRATULAT, Grigore FRIPTULEAC, Raisa MIGALATIEV, Elena BOITU, Moldova

EVALUATION OF AN ADSORBENT ON THE BASE OF DIATOMITE TO REDUCE THE RISK OF EUTROPHICATION

Tatiana DATSKO, Veacheslav ZELENISOV, Moldova

KINETICS OF SOME FLUOROQUINOLONES OXIDATION BY PERMANGANATE IONS IN BASIC MEDIUM

Elena TUTOVAN, Tatiana ISAC-GUTUL, Ianina ULCHINA, Irina LENGAS, Moldova

MODIFICATION OF NANOTUBULAR TiO₂ SURFACE FOR PHOTOCATALYTICAL APPLICATIONS

Olga COVALIOVA, Moldova

COPPER-MANGANESE OXIDES CATALYSTS FOR GROUNDWATER PURIFICATION

Andrei IVANETS, Yaugeniy VARANETS, Tatyana AZAROVA, Belarus

NON-ACIDIC SYNTHESIS OF PHOSPHATIZED DOLOMITE AND ITS SORPTION BEHAVIOR TOWARDS Pb²⁺, Zn²⁺, Cu²⁺, Cd²⁺, Ni²⁺, Sr²⁺ AND CO²⁺ IONS IN MULTICOMPONENT AQUEOUS SOLUTION

Andrei IVANETS, N.V. KITIKOVA, I.L. SHASHKOVA, Y.V. MATRUNCHIK, L.V. KUL'BITSKAYA, M. SILLANPÄÄ, Belarus, Finland, USA

APPLICATION OF NICKEL-BORIDE COATINGS IN MODERN TECHNOLOGY

Aynur YARULLIN, Marat MAVLETOV, Nikolai BEREZIN, Irina GRIGORYEVA, Russia

ADSORPTIVE REMOVAL OF DYES AND SULPHONATED PIGMENTS FROM LEATHER INDUSTRY WASTEWATERS

Marian DEACONU, Raluca SENIN, Marian CRUDU, Anca ATHANASIU, Mariana MATEESCU, Romania

THE APPLICATION OF ALIQUAT 336 AS CARRIER IN PROCESSES FOR WASTEWATER TREATMENT CONTAINING HEAVY METALS

Mariana MATEESCU, Ioneta Codrina BUJANCA, Marian DEACONU, Romania

ELECTROCHEMICAL SYNTHESIS OF NANODISPERSED MIXED OXIDE SYSTEMS BASED ON ALUMINA

Leniza KHAYRULLINA, Irina GRIGORYEVA, Ivan MIKHALISHIN, Alexander DRESVYANNIKOV, Russia

STUDYING OF THE COMPOSITION OF THE SCUM OF ELECTRIC POWER STATIONS

Tatiana MITINA, Nadejda BONDARENKO, Diana GRIGORAS, Tudor LUPASCU, Moldova



REMOVAL OF NITRITE IONS FROM NATURAL WATER BY USING AG-5

Tatiana GOREACIOC, Raisa NASTAS, Tudor LUPASCU, Vasile RUSU, Moldova

INDIRECT ATOMIC ABSORPTION DETERMINATION OF CHLORIDE ION IN COLORED WATER

Tudor LUPASCU, Tatiana MITINA, Nadejda BONDARENCO, Diana GRIGORAS, Moldova

MAGNETITE/CARBON NANOCOMPOSITES AS SPECIFIC SORBENT FOR WASTEWATERS TREATMENT

Maria Andreea NISTOR, Adelina ANDELESCU, Simona Gabriela MUNTEAN, Maria Elena RĂDULESCU-GRAD, Romania

DETERMINATION OF ANIONIC AND CATIONIC SURFACTANTS IN SOME RIVERS FROM REPUBLIC OF MOLDOVA AND ROMANIA

Mrs. Silvia RACOVITA, Moldova





The 6th International Conference ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2017

March 3, 2017

Session C: Green Chemistry

Central Scientific Library "A. Lupan" Conference Hall,
5A, Academiei Str., Chisinau, Republic of Moldova

| EEC-2017 Session/Activity | | Location |
|---------------------------|--|--|
| 9:00-9:30 | Participants Registration | Central Scientific Library "A. Lupan" Conference Hall |
| 9:30-9:40 | PARTICIPANTS WELCOME: <i>Prof. Tudor LUPASCU</i> , Director of the Institute of Chemistry Academy of Sciences of Moldova, Moldova | |
| 9:40-11:00 | MODERATORS: <i>Prof. Fliur MACAEV</i> , Institute of Chemistry, Academy of Sciences of Moldova, Moldova <i>Prof. Valentin TERTYKH</i> , Chuiko Institute of Surface Chemistry of National Academy of Sciences of Ukraine, Ukraine | |
| PRESENTATIONS | | |
| 9:40-9:50 | ADSORBENTS BASED ON COMPOSITES OF SILICA WITH AMINO- AND SULFO CONTAINING POLYSACCHARIDES <i>Prof. Valentin TERTYKH</i> , Chuiko Institute of Surface Chemistry of National Academy of Sciences of Ukraine, Ukraine | |
| 9:50-10:00 | IONIC LIQUIDS BASED MATERIALS FOR GREEN CHEMISTRY PROTOCOLS <i>Prof. Fliur MACAEV</i> , Institute of Chemistry ASM, Moldova | |
| 10:00-10:10 | CLOSED-CYCLE INTENSIFIED TECHNOLOGY FOR SUSTAINABLE BIOCHEMICAL PRODUCTION OF ALTERNATIVE FUELS FROM AGRICULTURAL WASTES <i>Dr. Olga COVALIOVA</i> , Institute of Chemistry ASM, Moldova | |
| 10:10-10:20 | THE HYDROGEN FROM CHEMISTRY TO GREEN ENERGY, ASPECTS FROM ROMANIA <i>Dr. Ioan IORDACHE</i> , National Research & Development Institute for Cryogenics and Isotopic Technologies- ICIT | |
| 10:20-10:30 | POSSIBILITIES OF APPLICATION OF SOLID ENERGETIC COMPOSITIONS TO IMPROVE THE LEVEL OF ENVIRONMENTAL SAFETY ASSOCIATED WITH THE USE OF LIQUID-FUELED SPACE LAUNCH VEHICLES <i>Dr. David LEMPERT</i> , Institute of Problems of Chemical Physics, Russian Academy of Sciences, Russia | |
| 10:30-10:40 | REACTANT-GOVERNED HYDROGEN ACCUMULATION AS INTERMEDIATE BETWEEN CONVENTIONAL HYDROGEN RESERVOIRS AND FUEL PROCESSORS <i>Dr. Anton MANILOV</i> , Taras Shevchenko National University of Kyiv, Ukraine | |
| 10:40-10:50 | STUDY OF POPS CONTAMINATED SITE FOR ENVIRONMENTAL RISK ASSESSMENT AND REMEDIATION IN MOLDOVA <i>Dr. Oleg BOGDEVICH</i> , Institute of Chemistry of the Academy of Sciences of Moldova, Moldova | |
| 10:50-11:00 | PREPARATION OF ACTIVATED CARBONS FROM FERN LEAVES FOR CO₂ ADSORPTION <i>Mr. Jarosław SERAFIN</i> , West Pomeranian University in Szczecin, Poland | |



The 6th International Conference ECOLOGICAL & ENVIRONMENTAL CHEMISTRY-2017

www.eec-2017.mrda.md, March 2-3, 2017, Chisinau, Republic of Moldova

| 11:00-11:30 | Tea/Coffee | At the Session Location |
|------------------------------|---|-------------------------|
| 11:30-13:00 PRESENTATIONS | MODERATORS: <i>Prof. Catherine GOYET, Perpignan University, France</i> <i>Prof. Igor POVAR, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i> | |
| 11:30-11:40 | NEW COMPOUNDS FOR THE ENVIRONMENTAL PROTECTION AND FOR THE HUMAN HEALTH OBTAINED FROM THE WINE SECONDARY PRODUCTS <i>Prof. Tudor LUPASCU, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i> | |
| 11:40-11:50 | ASSESSING LONG-TERM RESPONSE OF SEAWATER TO EXTERNAL PERTURBATIONS SUCH AS ATMOSPHERIC GREENHOUSE GAS AND CONTAMINANTS <i>Prof. Igor POVAR, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i> | |
| 11:50-12:00 | SYNTHESIS AND APPLICATIONS OF TETRANORLABDANE COMPOUNDS WITH HETEROCYCLIC UNITS <i>Dr. Aculina ARICU, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i> | |
| 12:00-12:10 | OZONOLYSIS OF ALKENES: TRANSFORMATIONS FAR BEYOND C=C CLEAVAGE <i>Dr. Veaceslav KULCITKI, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i> | |
| 12:10-12:20 | SYNTHESIS OF VANADIUM(V) COMPLEXES AND THEIR USE FOR OXIDATION OF CYCLOHEXANE <i>Dr. Diana DRAGANCEA, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i> | |
| 12:20-12:30 | CHEMICAL COMPOSITION OF THE ESSENTIAL OIL FROM SATUREJA SUBSPICATA L. GROWING IN MOLDOVA <i>Dr. Alexandru CIOCIRLAN, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i> | |
| 12:30-12:40 | IMPROVEMENT OF FILTRATION PROPERTIES OF GHIDIRIM DIATOMITE (REPUBLIC OF MOLDOVA) <i>Dr. Larisa POSTOLACHI, Institute of Chemistry, Academy of Sciences of Moldova, Moldova</i> | |
| 12:40-12:50 | PHYTOREMEDIATION OF OIL AND HEAVY METAL CONTAMINATED SOILS OF APSHERON PENINSULA <i>Prof. Vagif FARZALIYEV, Acad. A.Guliyev Institute of Chemistry of Additives of National Academy of Sciences of Azerbaijan, Azerbaijan</i> | |
| 12:50-13:00 | FUNCTIONALIZED CARBON NANOTUBES AS NEW POTENTIAL GREEN ELECTRODES <i>Mrs. Sandra ŹARSKA Jan Długosz University of Częstochowa, Poland</i> | |
| 13:00-14:00 | Lunch | At the Session Location |
| 14:00-15:30 PRESENTATIONS | MODERATORS: <i>Prof. Vasili SHARAGOV, Alecu Russo Balti State University, Moldova</i> <i>Dr. Inga ZINICOVSCAIA, Joint Institute for Nuclear Research, Dubna, Russia</i> | |
| 14:00-14:10 | WAYS OF REDUCING TOXICITY OF THE DEALKALIZATION PROCESS OF THE SURFACE LAYERS OF INDUSTRIAL GLASSWARE BY ACID GASES <i>Prof. Vasili SHARAGOV, Alecu Russo Balti State University, Moldova</i> | |
| 14:10-14:20 | SILVER BIOSORPTION BY SPIRULINA PLATENSIS BIOMASS <i>Dr. Inga ZINICOVSCAIA, Joint Institute for Nuclear Research, Dubna, Russia</i> | |
| 14:20-14:30 | ENHANCEMENT OF COPPER RESISTANCE OF VITIS VINIFERA L. CV. VICTORIA SEEDLINGS BY THE PLANT GROWTH PROMOTING BACTERIA AND TRACE ELEMENTS <i>Prof. Sofia VELIKSAR, Institute of Genetics, Physiology and Plant Protection, Moldova</i> | |



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|----------------|--|---|
| 14:30-14:40 | ACCELERATION OF SOME DICARBOXIMIDEI GROUPE FUNGICIDE DECAY BY TITANIUM DIOXIDEI ADDITIVE: EXPERIMENTAL EVIDENCE AND QUANTUM-CHEMICAL BACKGROUND OF COMMON MECHANISM <i>Mr. Ivan OSIPOV, Institute of Chemistry ASM, Moldova</i> | |
| 14:40-14:50 | INFLUENCE OF BENZENE RINGS NUMBER TO THE DISTRIBUTION OF 16EPA PAH AT THE DEGRADATION OF PETROLEUM IN SOIL <i>Mr. Shahin HAJIYEV, Institute of Radiation Problems National Academy of Sciences, Azerbaijan</i> | |
| 14:50-15:00 | Discussion of EEC-2017 Conference Resolution and formulation of proposals on behalf of Session C | |
| 15:00 | Departure to ASM for Closing Remarks and Activities | |
| 15:30-16:00 | EEC-2017 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> |
| 9:00-15:00 | Poster session is available during the Session C | Central Scientific Library "A. Lupan" |
| POSTERS | <p>ION EXCHANGE PROPERTIES OF GEORGIAN NATURAL ZEOLITES <i>Vladimer TSITSISHVILI, Nanuli DOLABERIDZE, Spartak UROTADZE, Georgia</i></p> <p>SURFACE PROPERTIES OF BENTONITE LARGUTZA PILLARED WITH ALUMINUM OLIGOMERS <i>Vasile RUSU, Moldova</i></p> <p>LONG TERM ASSESSMENT OF THE HEAVY METALS CONTENT IN ACIDIC SOILS <i>Igor POVAR, Oxana SPINU, Moldova</i></p> <p>MAGNETIC NANOPARTICLES LOADED WITH NATURAL ANTIOXIDANTS FOR BIOMEDICAL APPLICATIONS <i>Lacrămioara LUNGOCI, Narcisa MARANGOCI, Andreea CORCIOVA, Cornelia MIRCEA, Irina ROȘCA, Adrian FIFERE, Mariana PINTEALĂ, Romania</i></p> <p>GROWTH, PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES IN COPPER-TREATED POPLAR PLANTS TO BE EXPLOITED FOR THE PHYTOREMEDIATION BIO-TECHNOLOGY <i>Massimo ZACCHINI, Daniela DI BACCIO, Valentina IORI, Sofia VELIKSAR, Natalia LEMANOVA, Liudvika JUŠKAITE, Audrius MARUŠKA, Fabrizio PIETRINI, Italy, Moldova, Lithuania</i></p> <p>SEQUENTIAL SUPERCRITICAL FLUID EXTRACTIONS OF BIOACTIVE COMPOUNDS FROM TANGERINE AND ORANGE PEEL <i>Mzia TSITSAGI, Vladimer TSITSISHVILI, Ketevan EBRALIDZE, Georgia</i></p> <p>SYNTHESIS AND CRYSTAL STRUCTURE OF NEW ORGANIC LIGAND BASED ON S-METHYLISOLTHIOSEMICARBAZIDE <i>Mihaela ROTARU, Maria COCU, Diana DRAGANCEA, Ion BULHAC, Polina BOUROSCH, Moldova</i></p> <p>LIGNIN OZONOLYSIS IN DEEP EUTECTIC SOLVENTS <i>Marina GRINCO, Alic BARBĂ, Nicon UNGUR, Veaceslav KULCIŢKI, Moldova</i></p> <p>NATURAL EXOPOLYSACCHARIDES AS ECOLOGICAL EXCIPIENTS IN DRUG DELIVERY <i>Irina ROSCA, Anca Roxana PETROVICI, Adrian FIFERE, Elena-Laura URSU, Alina NICOLESCU, Andra Cristina BOSTANARU, Mihai MAREȘ, Narcisa MARANGOCI, Mariana PINTEALĂ, Romania</i></p> | |



THE SEMIOCHEMICALS FOR BIORATIONAL GREENHOUSE PEST MANAGEMENT

Elena MUNTYAN, Mihail BATCO, Igor IAZLOVETSKY, Moldova

EVALUATION OF SYNTHETIC SEMIOCHEMICAL METHYL SALICYLATE FOR IMPROVED CONSERVATION BIOLOGICAL CONTROL OF PESTS IN A PEACH ORCHARD

Victoria SUMENCOVA, Mihai BATCO, Alla YAKIMCHIUK, Galina DIURITS, Galina FEODOR, Igori YAZLOVETSKY, Moldova

SUNLIGHT INDUCED DECAY OF IPRODION ON TITANIUM DIOXIDE SURFACE LC-MS CHROMATOGRAPHY AND DFT EVIDENCE

Yurii GORBACHEV, Natalia GORINCHOY, Ivan OSIPOV, Moldova

THERMOANALYTICAL CHARACTERISATION OF SOME BIMETALLIC AND POLYMERIC Zn AND Cd COMPLEXES AS POTENTIAL MATERIALS FOR APPLICATIONS IN CATALYSIS

Elena GORINCIOL, Eduard COROPCEANU, Oleg PETUHOV, Moldova

METAL OXIDE CATALYSTS FOR WATER PURIFICATION

Raisa NASTAS, Andrei IVANETS, Larisa POSTOLACHI, Yevgheniy VARANETS, Tatyana AZAROVA, Irina GINSARI, Tatiana GOREACIOC, Vasile RUSU, Oleg PETUHOV, Tudor LUPASCU, Moldova, Belarus

SYNTHESIS AND STUDY OF A NEW Zn(II) MOF

Vadim DRUTA, Lidia SPINEI, Irina VODA, Sergiu SHOVA, Vasile LOZAN, Moldova

METAL-ORGANIC FRAMEWORKS FROM 1,2,4,5-TETRACARBOXYLIC ACID AND IMIDAZOLE-BASED SPACER

Vadim DRUTA, Irina VODA, Polina BOUROSH, Vasile LOZAN, Moldova

MODIFIED PROCESS AND BIOREACTOR FOR CYANOCOBALAMINE (VITAMIN B12) AND BIOMETHAN PRODUCTION

Victor COVALIOV, Olga COVALIOVA, Moldova

CONDITIONING AND UTILIZATION OF CO₂ FROM FERMENTATION INDUSTRIES FOR THE CULTIVATION OF MICROALGAE

Victor COVALIOV, Olga COVALIOVA, Moldova

ACTIVE CARBONS OBTAINED FROM GRAPE SEEDS

Raisa NASTAS, Tudor LUPASCU, Vasile RUSU, Moldova

INVENTORY OF INDUSTRIAL POLLUTION SOURCES OF TOXIC SUBSTANCES IN THE REPUBLIC OF MOLDOVA

Oleg BOGDEVICH, Elena CULIGHIN, Oleg CADOCINICOV, Elena NICOLAU, Marina GRIGORAS, Moldova

THE OPTIMIZATION OF THE OBTAINING CONDITIONS OF THE EXTRACT FROM FORESTRY WASTES

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

CRYSTAL STRUCTURE OF NEUTRAL 2,3-PYRIDINEDICARBOXYLATE COBALT(III) COMPLEX

Natalia TARENTI, Marilena FERBINTEANU, ANA LAZARESCU, Romania, Moldova

TERPENE OZONOLYSIS IN GREEN SOLVENTS

Vladilena GÎRBU, Elena PRUTEANU, Nicon UNGUR, Alic BARBĂ, Kulciŭki VEACESLAV, Moldova

THE EFFECT OF SOME COORDINATION COMPOUNDS ON PHYSIOLOGICAL PROCESSES OF PLANTS UNDER THE ENVIRONMENTAL STRESS

Ion BULHAC, Anastasia STEFIRTSIA, Vasili BOTNARI, Eduard COROPCEANU, Lilia BRINZA, Mihail MELENCIUC, Paulina BOUROSH, Moldova

SYNTHESIS AND STRUCTURE OF COPPER(II) COMPLEX WITH NEW N,N'-BIS(2-HYDROXY(3-CARBOXYNAPHTHYLIDENE)PROPANE-1,3-DIAMINE LIGAND

Tatiana POPA, Duane CHOQUESILLO-LAZARTE, Ana LAZARESCU, Moldova, Spain



HETEROGENEOUS CATALYTIC DISPOSAL OF CHLOROBENZENES AND CHLOROTOLUENES FROM INDUSTRIAL WASTES

Dilgam TAGIYEV, Arif EFENDI, Elmir BABAYEV, Azerbaijan

INVESTIGATING THE Co-Cl BOND CLEAVAGE IN POLYCHLORIDE PESTICIDES

Tudor SPATARU, Igor POVAR, Petru SPATARU, Oxana SPINU, Silvia BUZILĂ, USA, Moldova

ETHANOLAMMONIUM SALTS OF SUBSTITUTED BENZOIC ACIDS AS ALTERNATIVE PLANT GROWTH REGULATORS

Manuela CRISAN, Massimo MAFFEI, Paulina BOUROSH, Radu SUMALAN, Florin BODNARESCU, Romania, Italy

BIOSYNTHESIS OF SILVER NANOPARTICLES USING LINDEN FLOWERS EXTRACTS AND EVALUATION OF THEIR ANTIMICROBIAL ACTIVITIES

Andreia CORCIOVA, Bianca IVANESCU, Cristina TUCHILUS, Adrian FIFERE, Florica DOROFTEI, Narcisa MARANGOCI, Romania

REUSE OF EXPIRED CEFORT DRUG IN NICKEL ELECTRODEPOSITION FROM WATTS BATH

Delia-Andrada DUCA, Mircea Laurentiu DAN, Nicolae VASZILCSIN, Romania

CALCIUM DOPED Y-114 LAYERED COBALT PEROVSKITE, A NEW ELECTROCATALYTIC MATERIAL FOR ETHANOL OXIDATION IN ALKALINE MEDIA

Victor-Daniel CRAIA-JOLDES, Mircea Laurentiu DAN, Delia-Andrada DUCA, Nicolae VASZILCSIN, Romania

SULPHITE ANODIC OXIDATION IN ALKALINE MEDIA ON SMOOTH NICKEL BASED 6 LAYERS PLATINUM NANOPARTICLES ELECTRODE

Andreea-Floriana ENACHE, Mircea Laurentiu DAN, Nicolae VASZILCSIN, Romania

HYBRID MATERIALS FOR HYDROGEN STORAGE SYSTEMS BASED ON CARBON NANOTUBES AND NEW SUPER-LIGHT LITHIUM ALLOYS

Damian KULAWIK, Józef DRABOWICZ, Wojciech CIESIELSKI, Sandra ZDANOWSKA, Agnieszka FOLENTARSKA, Volodymyr PAVLIUK, Poland

DETERMINATION OF ORGANIC SUBSTANCES AND METALS FROM MUNICIPAL SOLID WASTE INCENERATION BOTTOM ASH

Ivan HRECHANYK, Galina DOVBESHK, Ukraine

β-CYCLODEXTRIN AS ECO-FRIENDLY SOIL REMEDIATION AGENT

Elena IVANCIC, Albert IVANCIC, Fliur MACAEV, Gheorghe DUCA, Moldova

SYNTHESIS OF NEW BIOLOGICALLY ACTIVE POLYFUNCTIONAL TERPENOIDS BASED ON INDUSTRIAL WASTES

Aculina ARICU, Lidia LUNGU, Alexandru CIOCRLAN, Alic BARBA, Diana DRAGANCEA, Moldova

THE IMPACT OF THE ENVIRONMENT ON DESTRUCTIVE CONVERSION OF OIL, POLLUTING THE SOIL OF ABSHERON PENINSULA

Elbay BABAYEV, Azerbaijan

SYNTHESIS OF SILVER NANOPARTICLES FROM ELDERFLOWER AQUEOUS EXTRACT: A GREEN APPROACH

Ana-Alexandra SORESCU, Alexandrina NUȚĂ, Rodica-Mariana ION, Ioana-Raluca ȘUICĂ-BUNGHEZ, Cristina-Lavinia NISTOR, Romania

SYNTHESIS OF N-(ISO-DRIMENOYLAMINO)CARBAZOLE FROM NORAMBREINOLIDE

Aculina ARICU, Kaleria KUCHKOVA, Elena SECARA, Alic BARBA, Ion DRAGALIN, Pavel VLAD, Moldova

CAPITALIZATION OF THE LAVENDER WASTES IN SOLVING TASKS OF URSOLIC ACID CHEMISTRY

Ala FULGA, Elena GORINCIOI, Alic BARBA, Ion DRAGALIN, Nicon UNGUR

COMPETITION BETWEEN DICARBOXYLIC AND BIPYRIDINE LIGANDS AT Cu(II) AND Zn(II) COORDINATION

Aliona VITIU, E.B. COROPCEANU, L. CROITOR, P.N. BOUROSH, Moldova

EVALUATION OF KRAS BIOMARKERS USING GRAPHITE AND GRAPHENE BASED AMPEROMETRIC SENSORS

Ahmed Jassim Muklive AL-OGAIDI, Livia Alexandra GUGOASA, Raluca-Ioana STEFAN-VAN STADEN, Romania

EVALUATION OF P53 TUMOR SUPPRESSOR GENE USING GRAPHITE BASED AMPEROMETRIC SENSORS

Ahmed Jassim Muklive AL-OGAIDI, Livia Alexandra GUGOASA, Raluca-Ioana STEFAN-VAN STADEN, Romania

PREPARATION, STRUCTURAL CHARACTERIZATION AND BIOLOGIC ACTIVITY OF Zn(II) AND Cd(II) MONONUCLEAR COMPLEXES WITH PYRIDINE-2-ALDOXIME AND 1,2-CYCLOHEXANEDIONEDIOXIME LIGANDS

Sergiu CODREANU, L. CROITOR, A.A. CILOCI, E.B. COROPCEANU, C. M. BIVOL, S.T.CLAPCO, S.V. LABLIUC, M.S. FONARI, Moldova

DESIGN, SYNTHESIS AND STRUCTURE OF THREE MIXED-LIGAND Zn(II)/Cd(II) COORDINATION POLYMERS

Aliona VITIU, E.B. COROPCEANU, L. CROITOR, P.N. BOUROSH, Moldova

METHYL 6'-AMINO-5'-CYANO-2-OXO-3'H-SPIRO[INDOLINE-3,4'-PYRANO[2,3-C]PYRAZOLE]-3'-CARBOXYLATE

Dmitri BILAN, Elena MELNIC, Victor KRAVTSOV, Gheorghe DUCA, Fliur MACAEV, Moldova

NON-INTERPENETRATING 3D CATIONIC METAL-ORGANIC FRAMEWORK WITH RARE (3,4)-CONNECTED TOPOLOGY BASED ON Cu(I) AND CYCLIC TRIIMIDAZOLE LIGAND

Victor BOLD, Victor KRAVTSOV, Elena LUCENTI, Elena CARIATI, Marina FONARI, Moldova





The 6th International Conference ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2017

March 3, 2017

Session D: Ecological & Environmental Aspects in Chemical Research and Education

Moldova State University, Building IV, Room 222, 2nd Floor
60 Mateevici Str., Chisinau, Republic of Moldova

| EEC-2017 Session/Activity | | Location |
|------------------------------------|---|--------------------------|
| 9:00-9:30 | Participants Registration | Moldova State University |
| 9:30-9:40 | PARTICIPANTS WELCOME: <i>Dr. Viorica GLADCHI, Dean of the Faculty of Chemistry and Chemical Technology, Moldova State University</i> | |
| 9:40-11:00 PRESENTATIONS | MODERATORS: <i>Dr. Nadejda VELISCO, Ministry of Education of the Republic of Moldova</i> <i>Dr. Viorica GLADCHI, Dean of the Faculty of Chemistry and Chemical Technology, Moldova State University</i> | |
| 9:40-9:50 | EVALUATION OF THE QUALITY OF WATER FOR DRINKING BY PERSONS WHO DONE AFTER STROKE <i>Prof. Grigore FRIPTULEAC, State University of Medicine and Pharmaceutics "N.Testemitanu", Moldova</i> | |
| 9:50-10:00 | CHEMISTRY FOR SUSTAINABLE LIFE IN ORDER TO DEVELOP CRITICAL THINKING FOR STUDENTS <i>Dr. Alina BUGA, Theoretical Lyceum V. Alecsandri, Ungheni, Moldova</i> | |
| 10:00-10:10 | THE METHODOLOGICAL ASPECTS OF TEACHING THERMODYNAMICS: FROM CIVIC EDUCATION TO NEW UNDERSTANDING OF CARBON FOOTPRINT <i>Dr. Alexei BAERLE, Technical University of Moldova, Moldova</i> | |
| 10:10-10:20 | FORMATIVE ASPECTS OF THE CHEMICAL CALCULATION PROBLEMS FROM THE PERSPECTIVE OF FOCUSING ON STUDENTS' INTERESTS <i>Dr. Maria BIRCA, Moldova State University, Moldova</i> | |
| 10:20-10:30 | THE ECOLOGICAL EDUCATION IN VIEW OF THE OPTIONAL COURSE <i>Mrs. Maia CHERDIVARA, Theoretical Lyceum „Ion Vatamanu”, Moldova</i> | |
| 10:30-10:40 | CALCULATION OF THE DISPERSION OF AIR POLLUTANTS FROM STATIONARY AND MOBILE SOURCES FROM THE REPUBLIC OF MOLDOVA <i>Dr. Vladimir BREGA, Institute of Ecology and Geography of the Academy of Sciences of Moldova</i> | |
| 10:40-10:50 | CHEMICALS AND PERSONAL SECURITY <i>Dr. Rita GODOROJA, Lyceum of Modern Languages and Management, Chisinau, Moldova</i> | |
| 10:50-11:00 | IMPACT OF TANTARENI LANDFILL ON SURFACE AND GROUND WATERS <i>Dr. Constantin BULIMAGA, Institute of Ecology and Geography of the Academy of Sciences of Moldova</i> | |
| 11:00-11:30 | Tea/Coffee | Moldova State University |



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| 11:30-13:00 PRESENTATIONS | MODERATORS: <i>Dr. Galina DRAGALINA</i> , Moldova State University, Moldova <i>Mrs. Elena MIHAILOV</i> , Moldova State University, Moldova |
| 11:30-11:40 | INVOLVEMENT OF PUPILS IN VOLUNTEERING ACTIVITIES BY PROJECT,, BY PROTECTING THE NATURE – SAVE THE FUTURE <i>Mrs. Ana SALII</i> , College „Alexei Mateevici”, Chisinau, Moldova |
| 11:40-11:50 | THE ROLE OF CHEMISTRY IN THE FORMATION OF ECOLOGICAL CULTURE TO PUPILS <i>Mrs. Ecaterina TURCANU</i> , Theoretical Lyceum „Stefan Voda”, Moldova |
| 11:50-12:00 | APPLICATION OF ECO-INTELLIGENCES IN THE FORMATION OF ECOLOGICAL EDUCATION TO PUPILS, FROM THE TRANSDISCIPLINARITY PERSPECTIVE <i>Mrs. Tatiana BEJENARU</i> , Centre of Excellence in Energetics and Electronics, Chisinau, Moldova |
| 12:00-12:10 | THE FOOD PROBLEM - ACTUAL PROBLEM <i>Mrs. Victoria GUTIUM</i> , National College of Commerce, ASEM, Moldova |
| 12:10-12:20 | ELABORATION OF THE ECOLOGICAL PROJECTS - EFFECTIVE METHOD OF INVOLVING PUPILS IN THE COUNTRY'S DEVELOPMENT <i>Mrs. Nelea POPA</i> , Moldova State University, Moldova |
| 12:20-12:30 | BIODIVERSITY GENERATION IN LOWER TRAJAN'S WALL COMPLEX AS A HISTORICAL AND NATURAL PHENOMENON <i>Mr. Aureliu BURGHELEA</i> , Institute of Ecology and Geography ASM, Moldova |
| 12:30-12:40 | ECOLOGICAL CHEMISTRY AND ENVIRONMENTAL ASPECTS IN NON-FORMAL EDUCATION <i>Mrs. Aina IDRISOVA</i> , University of Academy of Sciences of Moldova, Moldova |
| 12:40-12:50 | THE ECOLOGICAL EDUCATION AT THE CHEMISTRY LESSONS – A CHANCE FOR THE FUTURE! <i>Mrs. Angela IVANOV</i> , Centre of Excellence in Energetics and Electronics, Chisinau, Moldova |
| 12:50-13:00 | RIVER BÎC – NATIONAL TRADEGY <i>Mrs. Ludmila GULIC</i> , Theoretical Lyceum „Anton Guzun” Bulboaca, Moldova |
| 13:00-14:00 | Lunch Moldova State University |
| 14:00-15:30 PRESENTATIONS | MODERATORS: <i>Mrs. Maia CHERDIVARA</i> , Theoretical Lyceum „Ion Vatamanu”, Straseni, Moldova <i>Mrs. Nelea POPA</i> , Moldova State University, Moldova |
| 14:00-14:10 | MERCURY AND WASTE ISSUES WITH MERCURY SUBSTANCES FROM HEALTH SERVICES <i>Mrs. Alina FERDOHLEB</i> , National Center of Public Health, Laboratory of Occupational Health, Moldova |
| 14:10-14:20 | WATER – THE CRADLE OF LIFE! <i>Mrs. Diana MANASCURTA</i> , Centre of Excellence in Energetics and Electronics, Chisinau, Moldova |
| 14:20-14:30 | DESIGNING AND SOLVING OF THE PROBLEM-SITUATIONS AT THE CHEMISTRY LESSONS <i>Mrs. Tatiana STAHL</i> , Gymnasium Slobozia Dușca, Criuleni, Moldova |
| 14:30-14:40 | THEORETICAL AND PRACTICAL TRAINING METHODS IN SOIL CHEMISTRY AND ENVIRONMENTAL PROTECTION <i>Mrs. Corina LEAH</i> , Moldova State University, Moldova |



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| 14:40-14:50 | HUMAN ECOLOGY AS ONE ASPECT OF ECOLOGICAL EDUCATION IN TEACHING CHEMISTRY <i>Mrs. Elena MIHAILOV, Lyceum "Sibirschi", Moldova</i> | |
| 14:50-15:00 | Discussion of EEC-2017 Conference Resolution and formulation of proposals on behalf of Session D | |
| 15:00 | Departure to ASM for Closing Remarks and Activities | |
| 15:30-16:00 | EEC-2017 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> |
| 9:00-15:00 | Poster session is available during the Session D | Moldova State University |
| POSTERS | USING OF THE NATURAL WATER CHEMISTRY KNOWLEDGE TEACHING CHEMISTRY IN SCHOOL <i>Viorica GLADCHI, Moldova</i> | |
| | ENTERTAINING CHEMISTRY AND ENVIRONMENT <i>Nelea POPA, Moldova</i> | |
| | SCHOOL HANDBOOK ON CHEMISTRY – INDISPENSABLE TOOL IN ACHIEVEMENT OF ECOLOGICAL EDUCATION <i>Nadejda VELISCO, Galina DRAGALINA, Moldova</i> | |
| | EDUCATIONAL ASPECTS IN ENVIRONMENTAL PROTECTION <i>Galina DRAGALINA, Maria SANDU, Moldova</i> | |
| | SOME ASPECTS OF POPULATION HEALTH IN ORHEI AND TELENEȘTI DISTRICTS <i>Constantin BULIMAGA, Nicolae BODRUG, Moldova</i> | |





The 6th International Conference
ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2017

March 3, 2017

Session E: Young Scientists Research in Ecological &
Environmental Chemistry

University of the Academy of Sciences of Moldova (UnASM), Conference Hall 2,
3/2 Academiei Str., Chisinau, Republic of Moldova

| EEC-2017 Session/Activity | | Location |
|-----------------------------|--|-------------------------|
| 9:00-9:30 | Participants Registration | UnASM Conference Lobby |
| 9:30-9:40 | PARTICIPANTS WELCOME: <i>Acad. Maria DUCA, Rector, University of the Academy of Sciences of Moldova, Moldova</i> | |
| 9:40-11:00 PRESENTATIONS | MODERATORS: <i>Dr. Aliona MEREUȚA, University of the Academy of Sciences of Moldova, Moldova</i> <i>Mr. Vladislav BLONSCHI, Moldova State University, Moldova</i> | |
| 9:40-9:50 | THE PROBLEM OF RATIONAL MANAGEMENT OF NATURAL RESOURCES OF THE REPUBLIC OF MOLDOVA <i>Ms. Viorica CIOBANU, Moldova State University, Moldova</i> | |
| 9:50-10:00 | PHOTOCHEMICAL TRANSFORMATIONS OF CYSTEINE IN NATURAL WATERS <i>Mr. Vladislav BLONSCHI, Moldova State University, Moldova</i> | |
| 10:00-10:10 | STUDY OF THE ANTIOXIDANT PROPERTIES OF THE EXTRACTS FROM SECONDARY FOREST PRODUCTS BY CHEMILUMINESCENCE METHOD <i>Mrs. Natalia PETROV, Institute of Chemistry ASM, Moldova</i> | |
| 10:10-10:20 | CRYSTAL STRUCTURE OF NEUTRAL 2,3-PYRIDINEDICARBOXYLATE COBALT(III) COMPLEX <i>Mrs. Natalia TERENTI, University of the Academy of Sciences of Moldova, Moldova</i> | |
| 10:20-10:30 | DETERMINATION OF ANTIOXIDANT PROPERTIES OF RESVERATROL FROM GRAPE EXTRACTS <i>Ms. Ana ANTOCI, Moldova State University, Moldova</i> | |
| 10:30-10:40 | SYNTHESIS, STRUCTURE AND ANTIMICROBIAL ACTIVITY OF SALICYLALDEHYDE 4-(DIMETHYLPHENYL)THIOSEMICARBAZONES AND BIOMETAL COORDINATION COMPOUNDS WITH THESE LIGANDS <i>Mrs Tatiana ERHAN, Moldova State University, Moldova</i> | |
| 10:40-10:50 | DETERMINATION OF CHLORINATED PESTICIDES IN THE RIVER PRUT <i>Mr. Nicolae GROSU, University of the Academy of Sciences of Moldova, Moldova</i> | |
| 10:50-11:00 | THE INFLUENCE OF TARTARIC ACID ON CONFORMATION AND STABILITY OF HUMAN SERUM TRASFERRIN <i>Ms. Anastasia MISCO, University of the Academy of Sciences of Moldova, Moldova</i> | |
| 11:00-11:30 | Tea/Coffee | UnASM Conference Hall 2 |



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| 11:30-13:00 PRESENTATIONS | MODERATORS: <i>Dr. Natalia VELIȘCO, University of the Academy of Sciences of Moldova, Moldova</i> <i>Mrs. Irina Gînsari, University of the Academy of Sciences of Moldova, Moldova</i> |
| 11:30-11:40 | OBTAINING AND UTILIZATION OF THE CAPSAICIN AS AN ACTIVE PRINCIPLE IN PREPARATION A PRODUCTS WITH HEATING EFFECT <i>Ms. Elena LUCHIAN, Moldova State University, Moldova</i> |
| 11:40-11:50 | SYNTHESIS AND RESEARCH OF ANTITUBERCULOSIS DRUGS WITH PROLONGED EFFECT OF NATURAL POLYMERS WITH STREPTOMYCIN <i>Ms. Maria LUCHIAN, Moldova State University, Moldova</i> |
| 11:50-12:00 | THE USE OF IMIDAZOLE-BASED DEEP EUTECTIC SOLVENTS IN BIGINELLI REACTION <i>Ms. Natalia NACONECINAIA, University of the Academy of Sciences of Moldova, Moldova</i> |
| 12:00-12:10 | THE STUDY OF TOMATO SEEDS AS A SOURCE OF NATURAL ANTICANCER COMPOUNDS <i>Ms. Alexandra PLATONOVA, Moldova State University, Moldova</i> |
| 12:10-12:20 | DERIVATIVES OF 3-METHYL-5-(METHYLSULFANYL)-4H-1,2,4-TRIAZOL-4-AMINE WITH ANTIMICROBIAL AND ANTIOXADANTIVES PROPERTIES <i>Mrs. Ana RUSNAC, Moldova State University, Moldova</i> |
| 12:20-12:30 | WASTEWATER TREATMENT TECHNOLOGIES OF TEXTILE DYES IN THE PRESENCE OF AUXILIARY AGENTS <i>Ms. Elena VLAS, Moldova State University, Moldova</i> |
| 12:30-12:40 | PHARMACO COSMETIC OBTAINING AND USE OF TRITERPENOIDS ACYCLIC SQUALENE <i>Ms. Mihaela VARZARI, Moldova State University, Moldova</i> |
| 12:40-12:50 | FORMATION OF NITROSAMINES IN LIVING ORGANISMS – IMMINENT DANGER <i>Ms. Marina MUSTUC, Moldova State University, Moldova</i> |
| 12:50-13:00 | ESTIMATE ACCUMULATION OF IRON IN THE UPPER LAKE OF ROSE VALLEY PARK OF THE CHISINAU <i>Ms. Evghenia NEDEALCO, Moldova State University, Moldova</i> |
| 13:00-14:00 | Lunch UnASM Conference Hall 2 |
| 14:00-18:00 WORKSHOP | <div style="text-align: center;"> EXACT SCIENCES IN THE DIALOGUE OF GENERATIONS: CONNEXIONS BETWEEN UNIVERSITIES, ACADEMIA AND BUSINESS COMMUNITY </div> UnASM Conference Hall |
| 14:00-18:00 | MODERATORS: <i>Dr. Aliona MEREUȚA, University of the Academy of Sciences of Moldova, Moldova</i> <i>Dr. Natalia VELIȘCO, University of the Academy of Sciences of Moldova, Moldova</i> |
| 14:00-15:00 | SUCCESSFUL CASES OF PRACTICAL IMPLEMENTATION |
| 14:00-14:15 | THE USE OF ACTIVATED CARBON IN TREATING THE ENVIRONMENT <i>Prof. Victor MUKHIN, Join. Stoct company "ENPO "Neorganica", Electrostal, Russia</i> |
| 14:15-14:30 | ENOXIL – BIOLOGICALLY ACTIVE NATURAL PRODUCTS <i>Dr. Hab., Mem.cor., Tudor LUPAȘCU, Institute of Chemistry ASM, Moldova</i> |
| 14:30-14:45 | A COMPLEX TREATMENT OF PLASTIC AND MEDICAL INFECTIOUS WASTE <i>Sergey BUZHOR, SRL "UISPAC"</i> |



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| 14:45-15:00 | THE PRACTICAL IMPLEMENTATION OF TECHNOLOGY FOR OBTAINING CONTACT FUNGICIDE COPEER AND FERTILYZERS <i>Dr. Aliona MEREUȚA, Î.S. Izomer a AȘM</i> | |
| 15:00-17:00 | INNOVATIVE IDEAS CONTEST | |
| 15:00-15:10 | OBTAINING AND USING OF TETRANORLABDANIC COMPOUNDS WITH BIOLOGICAL PROPERTIES <i>Ms. Crina SMIGON, University of the Academy of Sciences of Moldova, Moldova</i> | |
| 15:10-15:20 | UTILISATION OF PHYTOLAMPS IN AGRICULTURE <i>Mr. Contstantin LOȘMANSCHI, University of the Academy of Sciences of Moldova, Moldova</i> | |
| 15:20-15:30 | UTILISATION OF ACTIVATED CARBON FOR WATER PURIFICATION <i>Ms. Irina GINSARI, Institute of Chemistry ASM, Moldova</i> | |
| 15:30-15:40 | COSMECEUTICAL PRODUCTS BASED ON BIOPOLYMER MATERIAL IMMOBILIZED WITH MODIFIED TANNINS <i>Mr. Alexandru GONTA, Institute of Chemistry ASM, Moldova</i> | |
| 15:40-15:50 | OBTAINING OF ANTI ACNE LOTION WITH NATURAL BIOACTIVE CONSTITUENTS <i>Ms. Irina CALCEV, Moldova State University, Moldova</i> | |
| 15:50-16:00 | USING THE OINTMENT FOR RHEUMATOID ARTHRITIS <i>Ms. Veronica OBOROC, Moldova State University, Moldova</i> | |
| 16:00-16:10 | TEXTILE WASTE WATER TREATMENT FROM NATURAL COLORANTS <i>Mrs. Larisa MOCANU, Moldova State University, Moldova</i> | |
| 16:10-16:20 | USE OF NATURAL ANTIOXIDANT TO INHIBIT NNA FORMATION IN MEAT PRODUCTS <i>Ms. Valeriana VIRLAN, Moldova State University, Moldova</i> | |
| 16:20-16:30 | METHODS OF STUDENTS FAMILIARISATION WITH EXACT SCIENCES <i>Ms. Aina Idrisova, University of the Academy of Sciences of Moldova, Moldova</i> | |
| 16:30-16:40 | USE OF CARBON SORBENT FOR SOILS DECONTAMINATION <i>Ms. Elena CULIGHIN, Institute of Chemistry ASM, Moldova</i> | |
| 16:40-16:50 | OBTAINING OF BIOLOGICAL ACTIVE PRODUCTS FROM WASTE TREATED BY OZONATION <i>Ms. Vlada GÎRBU, Institute of Chemistry ASM, Moldova</i> | |
| 16:50-17:00 | STIKERS GPS – INNOVATION IN THE WEST UNKNOWN IN MOLDOVA <i>Ms. Ana NASTASIU, University of the Academy of Sciences of Moldova, Moldova</i> | |
| 17:00-17:10 | Tea/Coffee | UnASM Conference Hall 2 |
| 17:10-17:40 | DISCUSSION BETWEEN BUSINESS REPRESENTATIVES AND WORKSHOP PARTICIPANTS | |
| 17:40-18:00 | PRIZES AND DIPLOMAS AWARDS | |
| 9:00-18:00 | Poster session is available during the Session E | UnASM Conference Lobby |
| POSTERS | SYNTHESIS OF ALIPHATIC SYMMETRIC DIPHOSPHONIUM SALTS AND BACTERICIDAL PERFORMANCE OF SELECT PRODUCTS <i>Bin YUAN, Wei HU, Song LV, Jie-yang HUANG, Ke-cheng HUAN, China</i> DESIGN AND STRUCTURAL CHARACTERIZATION OF CO(II) AMINOALCOHOL-SUPPORTED ISOBUTYRATE AND ITS 1D COORDINATION POLYMER <i>Dumitru STATI, Victor Ch. KRAVTSOV, Svetlana G. BACA, Moldova</i> | |



BIORATIONAL PRODUCTS IN THE GRAPES PROTECTION IN ORGANIC AND CONVENTIONAL VITICULTURE

Vladimir TODIRAS, Alexei POPA, Moldova

STUDIES ON WIDENING THE SPECTRUM OF ACTION OF ANTIACNE OINTMENT

Liudmila TIMOFTI, Moldova

SYNTHESIS AND CHARACTERISATION OF A NEW PALLADIUM(II) COORDINATION COMPOUND STARTING FROM A NOVEL PHOSPHONATE LIGAND

Olesea CUZAN, Moldova

GREEN TEA CATECHIN EXTRACTION AND THE INHIBITION OF OIL AND COSMETIC CREAM OXIDATION

Constanța COROI, Moldova

CHITOSAN-BASED BIONANOCOMPOSITES FUNCTIONALIZED WITH POLYPHENOL

Alexandru GONTA, Tudor LUPASCU, Moldova

ECOLOGICAL MATERIAL AND TECHNOLOGIES USED IN STOPPING THE XYLOPHAGIC ATTACK ON A XVIII-TH CENTURY ICON

Cosmin Tudor IURCOVSCHI, Marius MUNTEANU, Cristiana MANEA (AMARIEI), Maria Modesta LUPASCU, Irina Crina Anca SANDU, Viorica VASILACHE, Ion SANDU, Romania

WASTEWATER TREATMENT OF TEXTILE DYE RED ACTIVE IN PRESENCE OF AUXILIARY AGENTS

Marina NICA-BARDIER, Moldova

CLEAN TECHNOLOGIES – A GUARANTEE FOR THE FUTURE OF THE PLANET

Anastasia ROTARI, Moldova

TERPENE OZONOLYSIS IN GREEN SOLVENTS

Vladilena GÎRBU, Elena PRUTEANU, Nicon UNGUR, Alic BARBĂ, Veaceslav KULCIŢKI, Moldova

MICROWAVE ASSISTED SYNTHESIS OF SOME NEW TETRANORLABDANE COMPOUNDS AND THEIR BIOLOGICAL ACTIVITY

Crina SMIGON, Lidia LUNGU, Aculina ARICU, Nicoleta VORNICU, Moldova

CARBONACEOUS ADSORBENTS FOR REMOVAL OF POLLUTANTS FROM WATER

Irina GINSARI, Moldova

ELABORATION OF AN ANTIACNEIC LOTION BASED ON NATURAL BIOACTIVE CONSTITUENTS

Irina CALCEV, Moldova

OBTAINING TECHNOLOGY OF THE RHEUMATOID ARTHRITIS OINTMENT

Veronica OBOROC, Moldova State University, Moldova

THE CATALYTIC OXIDATION OF BIS-MPA

Larisa MOCANU, Maria GONȚA, Gheorghe DUCA, Moldova

THE ELABORATION OF INHIBITION METHODS IN THE FORMATION PROCESSES OF N-NITROSOAMINES IN THE MEAT PRODUCTS

Valeriana VIRLAN, Moldova

STUDY OF ADSORPTION OF ORGANIC POLLUTANTS ON CARBONACEOUS SORBENTS

Elena CULIGHIN, Tudor LUPASCU, Moldova

