



# The 6<sup>th</sup> International Conference ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2017

March 2-3, 2017

Academy of Sciences of Moldova, 1 Stefan cel Mare Blvd., MD-2001, Chisinau, Republic of Moldova

## Program Structure

	EEC-2017 Session/Activity	Location
	<b>March 1, 2017</b>	
	Participants Arrival and Accommodation	Hotels
19:00	Welcome/Networking Reception	Jolly Alon Restaurant
	<b>March 2, 2017</b>	
8:00-9:00	Participants Registration	ASM Lobby
<b>9:00-9:30</b>	<b>Conference Welcome</b>	<b>ASM Blue Hall</b>
<b>9:30-11:00</b>	<b>Plenary Session</b>	<b>ASM Blue Hall</b>
11:00	Group Photo	ASM Blue Hall
11:00-11:30	Tea/Coffee	ASM Gold Hall
<b>11:30-13:00</b>	<b>Plenary Session</b>	<b>ASM Blue Hall</b>
13:00-14:00	Lunch	ASM Gold Hall
<b>14:00-15:30</b>	<b>Plenary Session</b>	<b>ASM Blue Hall</b>
15:30-16:00	Tea/Coffee	ASM Gold Hall
<b>16:00-17:30</b>	<b>Plenary Session</b>	<b>ASM Blue Hall</b>
18:00	Networking Reception	Upon Invitation
	<b>March 3, 2017</b>	
9:00-9:30	Participants Registration	At the sessions location
<b>9:30-11:00</b>	<b>Session A: Ecological Chemistry</b>	<b>ASM Blue Hall</b> <i>1 Stefan cel Mare Blvd., Chisinau</i>
	<b>Session B: Environmental Chemistry and Engineering</b>	<b>ASM Small Hall</b> <i>1 Stefan cel Mare Blvd., Chisinau</i>
	<b>Session C: Green Chemistry</b>	<b>Central Scientific Library "A. Lupan"</b> <i>5A Academiei Str., Chisinau</i>
	<b>Session D: Ecological &amp; Environmental Aspects in Chemical Research and Education</b>	<b>Moldova State University</b> <i>Building IV, 2<sup>nd</sup> Floor, Room 222</i>
	<b>Session E: Young Scientists Research in Ecological &amp; Environmental Chemistry</b>	<b>University ASM</b> <i>3/2 Academiei Str., Chisinau</i>
11:00-11:30	Tea/Coffee	At the sessions location
<b>11:30-13:00</b>	<b>Work in Sessions: continuation</b>	<b>At the sessions location</b>
13:00-14:00	Lunch	At the sessions location
<b>14:00-15:00</b>	<b>Work in Sessions: continuation</b>	<b>At the sessions location</b>
<b>15:30-16:00</b>	<b>Conference Conclusions and Recommendations</b>	<b>ASM Blue Hall</b>
16:00	Closing Reception	ASM Gold Hall
	<b>March 4-5, 2017</b>	
	<b>Participants Departure</b>	



The 6<sup>th</sup> International Conference  
**ECOLOGICAL & ENVIRONMENTAL CHEMISTRY 2017**

**March 2, 2017 Plenary Session**

Academy of Sciences of Moldova, 1 Stefan cel Mare Blvd., 2001 MD, Chisinau, Republic of Moldova

EEC-2017 Plenary Session/Activity		Location
8:00-9:00	Participants Registration	ASM Lobby
<b>9:00-9:30</b>	<b>Conference Opening and Welcome</b>	<b>ASM Blue Hall</b>
<b>9:30-11:00</b>	<b>PLENARY SESSION</b>	<b>ASM Blue Hall</b>
<b>Moderators</b>	<i>Acad., Prof. Gheorghe DUCA, President of the Academy of Sciences of Moldova</i> <i>Acad., Prof. Asaf Haji Oglu HAJIYEV, Secretary General, Parliamentary Assembly of the Black Sea Economic Cooperation (PABSEC)</i>	
<b>9:30-10:00</b>	<b>ECOLOGICAL AND ENVIRONMENTAL CHEMISTRY</b> <i>Acad., Prof. Gheorghe DUCA, President of the Academy of Sciences of Moldova</i>	
<b>10:00-10:15</b>	<b>STATISTICAL DATA ANALYSIS IN ENVIRONMENTAL PROBLEMS</b> <i>Acad., Prof. Asaf Haji Oglu HAJIYEV, Secretary General, Parliamentary Assembly of the Black Sea Economic Cooperation (PABSEC)</i>	
<b>10:15-10:30</b>	<b>NANO TECHNOLOGICAL INNOVATIONS SUPPORTING WATER SAFETY AND SECURITY</b> <i>Prof. Ashok VASEASHTA, International Clean Water Institute, Manassas, VA, U.S.A</i>	
<b>10:30-10:45</b>	<b>QUO VADIS SEPARATION SCIENCES? NEW SOLUTIONS AND CHALLENGES IN ENVIRONMENT MONITORING</b> <i>Prof. Boguslaw BUSZEWSKI, Faculty of Chemistry, Nicolaus Copernicus University in Torun, Poland</i>	
<b>10:45-11:00</b>	<b>CHALLENGES IN GOING GREEN - STUDY CASE: ROMANIA</b> <i>Acad., Prof. Bogdan SIMIONESCU, Vice-President of Romanian Academy, "Petru Poni" Institute of Macromolecular Chemistry, Romania</i>	
11:00	<b>Group Photo</b>	ASM Blue Hall
11:00-11:30	<b>Tea/Coffee</b>	ASM Gold Hall
<b>11:30-13:00</b>	<b>PLENARY SESSION CONTINUATION</b>	<b>ASM Blue Hall</b>
<b>Moderators</b>	<i>Acad., Prof. Serghey ALDOSHIN, Vice President of the Russian Academy of Sciences, Director, Institute of Problems of Chemical Physics, Russia</i> <i>Prof. Gerrit SCHÜÜRMAN, Head of the Department of Ecological Chemistry, Helmholtz-Centre for Environmental Research in Leipzig, Germany</i>	
<b>11:30-11:45</b>	<b>POWER GENERATION FROM LOW-GRADE FUELS AND WASTES PROCESSING USING FILTRATION COMBUSTION</b> <i>Acad., Prof. Serghey ALDOSHIN, Vice President of the Russian Academy of Sciences, Director, Institute of Problems of Chemical Physics, Russia</i>	
<b>11:45-12:00</b>	<b>IMPACT OF PETROL PRODUCTS TO THE ENVIRONMENT</b> <i>Acad., Prof. Ibrahim GULIYEV, Director of the Institute of Gas and Petrol, Azerbaijan</i>	
<b>12:00-12:15</b>	<b>PREDICTIVE ASSESSMENT OF THE HUMAN AND ENVIRONMENTAL TOXICITY OF CHEMICAL SUBSTANCES</b> <i>Prof. Gerrit SCHÜÜRMAN, Head of the Department of Ecological Chemistry, Helmholtz-Centre for Environmental Research in Leipzig, Germany</i>	
<b>12:15-12:30</b>	<b>GENETIC DAMAGE IN BIOINDICATOR ORGANISMS AND HEAVY METALS CONTENT IN ECOGENOTOXIC STUDIES</b> <i>Acad., Prof. Rouben AROUTIOUNIAN, Academician-Secretary of the Department of Natural Sciences, National Academy of Sciences of Republic of Armenia</i>	



12:30-12:45	<b>ECOLOGICAL CHEMISTRY THROUGH POPULAR SCIENTIFIC ARTICLES</b> <i>Prof. Ketevan KUPATADZE, Iliia State University, Tbilisi, Georgia</i>	
12:45-13:00	<b>ENVIRONMENTAL LEGISLATION</b> <i>Prof. Gheorghe AVORNIC, Rector of the University of European Political and Economic Studies „Constantin Stere”, Moldova</i>	
13:00-14:00	Lunch	ASM Gold Hall
14:00-15:30	<b>PLENARY SESSION CONTINUATION</b>	ASM Blue Hall
Moderators	<i>Prof. Yury SKURLATOV, Institute of Chemical Physics of the Russian Academy of Sciences, Russia</i> <i>Prof. Catherine GOYET, Perpignan University, France</i>	
14:00-14:20	<b>ROLE OF OXIDATION-REDUCTION PROCESSES IN FORMATION OF TOXIC PROPERTIES OF A NATURAL AQUEOUS ENVIRONMENT</b> <i>Prof. Yury SKURLATOV, Institute of Chemical Physics of the Russian Academy of Sciences, Russia</i>	
14:20-14:40	<b>MICROFILTRATION CERAMIC MEMBRANES BASED ON NATURAL SILICON DIOXIDE</b> <i>Acad., Prof. Vladimir AGABEKOV, Director of the Institute of Chemistry of New Materials of the National Academy of Sciences of Belarus</i>	
14:40-15:00	<b>ASSESSING LONG-TERM VARIATION OF OCEAN ACIDIFICATION DUE TO ANTHROPOGENIC CARBON PENETRATION IN SEAWATER</b> <i>Prof. Catherine GOYET, Perpignan University, France</i>	
15:00-15:15	<b>INNOVATIVE PROCESSES OF TREATING OF THE UNDERGROUND WATERS IN DRINKING PURPOSES</b> <i>Corr.mem., Prof. Tudor LUPASCU, Director of the Institute of Chemistry ASM, Moldova</i>	
15:15-15:30	<b>SHIELDING COMPOSITE MATERIALS FOR COMPUTER ELECTROMAGNETIC RADIATION AND RISK ASSESSMENT</b> <i>Prof. Igor CRETESCU, "Gheorghe Asachi" Technical University of Iasi, Romania</i>	
15:30-16:00	Tea/Coffee	ASM Gold Hall
16:00-17:30	<b>PLENARY SESSION CONTINUATION</b>	ASM Blue Hall
Moderators:	<i>Acad., Prof. Mykola KARTEL, Chuiko Institute of Surface Chemistry, Academician-Secretary of the Department of Chemical Sciences of the National Academy of Sciences of Ukraine, Kiev, Ukraine</i> <i>Prof. Boris BOINCEAN, „Selectia” Research Institute of Field Crops, Alecu Russo Balti State University, Moldova</i>	
16:00-16:15	<b>TECHNOLOGY OF BIOFUEL PRODUCTION FROM ALTERNATIVE RENEWABLE RAW MATERIALS SOURCES</b> <i>Prof. Alexander GARABADZHIU, Saint-Petersburg State Institute of Technology, Russia</i>	
16:15-16:30	<b>OBTAINING OF LIGNOCELLULOSE BIOSORBENTS MODIFIED WITH INORGANIC NANOCLUSTERS</b> <i>Acad., Prof. Mykola KARTEL, Chuiko Institute of Surface Chemistry, Academician-Secretary of the Department of Chemical Sciences of the National Academy of Sciences of Ukraine, Kiev, Ukraine</i>	
16:30-16:45	<b>DETOXIFICATION OF SOIL CONTAMINATED WITH COMPONENTS OF LIQUID ROCKET FUEL BY SORBENT BASED ON CONCENTRATE OF SHUNGITE</b> <i>Prof. Sergei EFREMOV, Center of Physical Chemical Methods of Research and Analysis of al-Farabi Kazakh National University, Kazakhstan</i>	
16:45-17:00	<b>EVALUATION OF THE CONTRIBUTION OF THE "GREAT CARBON TRACKER" IN THE DILUTION OF ATMOSPHERIC RADIOCARBON EMISSIONS</b> <i>Prof. Sergey TRAVIN, Institute of Chemical Physics of the Russian Academy of Sciences, Russia</i>	
17:00-17:15	<b>GREEN CHEMISTRY IN POLYMER SYNTHESIS &amp; ENVIRONMENTALLY FRIENDLY PROCESSING</b> <i>Prof. Marc J.M. ABADIE, University of Montpellier, France</i>	
17:15-17:30	<b>CROP NUTRITION IN SUSTAINABLE AGRICULTURE</b> <i>Prof. Boris BOINCEAN, „Selectia” Research Institute of Field Crops, Alecu Russo Balti State University, Moldova</i>	
18:00	Networking Reception Upon Invitations!	