



Conference Programme

Date: Thursday 25th October, 2018

Venue: Ministry of Environment of the Republic of Lithuania, Jakšto 4/9, Vilnius, 506 hall

8:00-9:00	Registration		
9:00-9:30	Opening ceremony, Session I Chair of the session Prof. Rimantas Ramanauskas		
	<ul style="list-style-type: none"> Welcome by Prof. Aivaras Kareiva. 		
	<ul style="list-style-type: none"> Welcome by the Minister of the Environment of the Republic of Lithuania. 		
	<ul style="list-style-type: none"> Welcome by Vice-Rector of Vilnius University Prof. Rimantas Jankauskas 		
9:30-10:20	Prof. Dr. Andrew R. Barron Keynote lecture	Ser Cymru Chair of Low Carbon Energy and Environment, Director of ESRI, Swansea University, United Kingdom	Flexible Approaches to Water Treatment and Metal Remediation: From a Village to the Oil Patch
10:20-10:55	Dr. Kiriaki Chrissopoulou Invited speaker	Foundation for Research and Technology-Hellas, Institute of Electronic Structure and Laser, Heraklion Crete, Greece	Structure and Dynamics of Bio-based Polyesters in the Bulk and Under Confinement
10:55-11:15	Coffee break		
Session II, Chair of the session Prof. Ivo Leito			
11:15-11:45	Galina Garnaga-Budre Invited speaker	Director of Environmental Research Department, Lithuania	The Chemical Status of the Baltic Sea in Lithuania: Current Status and Trends
11:45-12:15	Saulius Janulevicius Invited speaker	Limited liability company "Grotą", Lithuania	Some Peculiarities of <i>in-situ</i> Soil and Groundwater Remediation in Lithuania
12:15-12:35	Prof. Dr. Henrikas Cesiulis Oral presentation	Vilnius University, Lithuania	Leaching of Cu, Pb, Sn from e-waste and Electrowinning in the Eco-friendly Solutions
12:35-14:00	Lunch		
Session III, Chair of the session Prof. Arturs Vīksna			
14:00-14:35	Prof. Dr. Przemysław Niedzielski Invited speaker	Department of Analytical Chemistry, Faculty of Chemistry, Adam Mickiewicz University, Poznań, Poland	The Studies of Speciation in Environmental Samples Using Hyphenated Techniques with Atomic Spectrometry Detection



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14:35-15:00	Dr. Agnese Osite Oral presentation	University of Latvia, Latvia	Analysis of Particulate Matter Originated During Burning of Scented Candles
15:00-15:20	Siiri Saaver Oral presentation	Estonian Environmental Research Centre, Estonia	Analysis and Validation of Perfluorinated Compounds in Water, Sediment and Fish with LC-ESI-MS/MS
15:20-15:40	Coffee break		
15:40-17:30	Excursion to Vilnius University Library (Optional).		
15:40-17:30	Excursion to Vilnius University Life Sciences Center (Optional).		

Date: Friday 26th October, 2018

Venue: Ministry of Environment of the Republic of Lithuania, Jakšto 4/9, Vilnius, 506 hall

8:00-9:00	Registration		
Session IV, Chair of the session Prof. Andrew R. Barron			
9:00-9:35	Prof. Habil. Dr. Ewa Bulska Invited speaker	Faculty of Chemistry, University of Warsaw, Poland	Very Precise Determination of Stable Isotopes of Ca, Mg and Sr by MC-ICPMS for Environmental Purposes
9:35-10:10	Dr. Aleksey Etin Invited speaker	Limited liability company "Veika", Lithuania	A Story of an Eco-revolution in a Niche Industry
10:10-10:45	Dr. Maarja Opik Invited speaker	Department of Botany, Institute of Ecology and Earth Sciences, University of Tartu, Estonia	Why Should We Care of Soil Microbiota - the Case of Arbuscular Mycorrhizal Fungi
10:45-11:20	Coffee break		
Session V, Chair of the session Prof. Przemyslaw Niedzielski			
11:20-11:50	Erika Mamaitiene Invited speaker	Environmental Protection Agency, Lithuania	Determination of Pharmaceutical Substances and Neonikotinoid Insecticides (EU-wide List of Substances to be Monitored in Accordance with Article 8b of Directive 2008/105 / EC) by Liquid Chromatography-Mass Spectrometry
11:50-12:15	Prof. Dr. Ivo Leito Oral presentation	University of Tartu, Institute of Chemistry, Tartu, Estonia	Analytical Chemistry Education Activities at University of Tartu

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12:15-12:35	Dr. Inna Melnyk Oral presentation	Institute of Geotechnics of SAS, Kosice, Slovak Republic and Chuiko Institute of Surface Chemistry of NAS of Ukraine, Kyiv, Ukraine	Surface and Porosity Engineering of Aminosilica Nanoparticles for Different Applications
12:30-14:00	Lunch		
Session VI, Chair of the session Dr. Maarja Opik			
14:00-14:30	Dr. Anatoli Popov Invited speaker	Institute of Solid State Physics, University of Latvia, Riga, Latvia	Physics of Photostimulable Storage Phosphors – Progress Overview of Image Plate Development and Their Application in Physics, Biology and Life Sciences
14:30-14:50	Dr. Vilius Poskus Oral presentation	Vilnius University, Lithuania	Trans Fatty Acids Separation by Silver Nanoparticles Modified Monolithic Silica Column
14:50-15:10	Dr. Ingars Reinholds Oral presentation	Institute of Food Safety, Animal Health and Environment “BIOR”, Riga, Latvia	Mycotoxin Contamination in Herbal Teas from Latvia, Safety Assessment of Their Beverages
15:10-15:30	Dr. Tadas Matijosius Oral presentation	Center for Physical Sciences and Technology, Vilnius, Lithuania	Tribological Destruction of Anodized Al Waste of Different Alloys in Environment
15:30-15:50	Coffee break		
16:00-18:00	Poster presentations Chair of the session Dr. Lina Mikoliunaite		
19:00-22:00	Conference dinner		

During the Gala Dinner the men's choir Avanti Vilnius will give concert. Young, charming and ambitious male vocal ensemble "Avanti Vilnius" (leader Ausra Liutkute) sing songs from Lithuanian and foreign authors



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Date: Saturday 27th October, 2018

Venue: Ministry of Environment of the Republic of Lithuania, Jakšto 4/9, Vilnius, 506 hall

8:00-9:00	Registration		
Session VII, Chair of the session Dr. Kiriaki Chrissopoulou			
9:00-9:35	Dr. Vijayalakshmi Velusami Invited speaker	School of Engineering, Manchester Metropolitan University, United Kingdom	Application Carbon Nanomaterials and Carbohydrate Polymer Composites for Sensing Environmental Toxins
9:35-10:10	Assoc. Prof. Dr. Ausra Valiuniene Invited speaker	Institute of Chemistry, Vilnius University, Lithuania	Electrochemical Oxidation - Environmentally Friendly Way to Utilize Cyanide Solutions
10:10-10:45	Dr. Natalia Tsyntsaru Invited speaker	Institute of Applied Physics, Chisinau, Moldova	Electrodeposited Catalysts Based on W-Rich Alloys for Sustainable Hydrogen Production
10:45-11:00	Award of the best posters. Closing of the conference		

POSTER SESSION

Friday 26th October

16:00 – 18:00

P 01	A. Abola , Z. Gavare, E. Bogans, M. Strazds	DETERMINATION OF TOTAL MERCURY CONCENTRATION IN EGGHELLS OF BLACK STORKS
P 02	L. Alinauskas , Z. Stankeviciute, A. Zarkov, G. Balciunas, A. Kareiva, E. Garskaite	SYNTHESIS AND CHARACTERIZATION OF POTASSIUM- DOPED BIOACTIVE GLASS
P 03	B. Al-Saqarat, A. E. Al- Rawajfeh, B. Udvardi, M. R. Al- Rbaihat, E. AlShamaileh	A NOVEL KAOLINITE-NPK MIXTURE AS AN ENVIRONMENTALLY FRIENDLY SLOW-RELEASE FERTILIZER
P 04	V. Osipovaite, I. Ancutiene	COMPOSITIONAL AND MORPHOLOGICAL CHARACTERIZATION OF COPPER SELENIDES FILMS ON GLASS
P 05	S. Zukauskas, D. Palinauskas, A. Ramanavicius, G. Bagdziunas	THE CARBAZOLE AND TRIPHENYLAMINE MOIETIES- BASED SEMICONDUCTORS FOR GLUCOSE BIOSENSORS
P 06	I. Barauskiene , E. Valatka	ELECTROCATALYTIC AND PSEUDOCAPACITIVE PROPERTIES OF LAYERED NICKEL-COBALT OXIDE COATINGS ON STAINLESS STEEL

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P 07	Dankova, Z., Bekenyiova, A. , Bujnakova, Z., Mitroova, Z., Gesperova, D., Styriakova, I., Styriakova, D. and Briancin, J.	EXPERIMENTAL STUDY OF AS(V) ADSORPTION ONTO DIFFERENT ADSORBENTS
P 08	B. Brasiunas , A. Popov, A. Ramanaviciene	SYNTHESIS OF GOLD NANOPARTICLES USING REDUCING SUGARS
P 09	L. Busa , L. Kepa, A. Viksna, E. Bulska	USE OF LA-ICP-MS AND IRMS DATA TO DISTINGUISH BETWEEN ORGANICALLY AND CONVENTIONALLY GROWN WHEAT
P 10	A. Ciuladiene , A. Luckute, A. Kareiva	INVESTIGATION OF RED BALLPOINT PEN INKS
P 11	O. Demchyna , B. Rachiy, A. Kostruba, L. Romanyuk, V. Bahriychuk, R. Romanyuk, R. Musiy	SOLAR AIR THERMAL COLLECTORS FOR APPLICATION IN THE FOOD INDUSTRY
P 12	V.V Sliesarenko., O.A Dudarko , I.V. Melnyk	FIXING OF Nd(III) IONS ON THE SURFACE OF MONO- AND BIFUNCTIONAL SILICA SBA-15 TYPE TO PROVIDE THEM LUMINESCENT PROPERTIES
P 13	I. Gabriunaite , A. Valiuniene	PHOSPHOLIPID BILAYER FORMATION ON FLUORINE DOPED TIN OXIDE
P 14	J. Gaidukevic , R. Trusovas, G. Niaura, I. Malisauskaite, J. Barkauskas	LASER-INDUCED REDUCTION OF GRAPHENE OXIDE-DYE NANOCOMPOSITES: THE EFFECT OF DYE MOLECULES ON GRAPHENE SHEETS QUALITY AND STRUCTURAL PROPERTIES
P 15	L. Glumbokaite , E. Dauksaite, A. Kausaite-Minkstimiene	DEVELOPMENT OF A NOVEL AMPEROMETRIC GLUCOSE BIOSENSOR BASED ON GLUCOSE OXIDASE FUNCTIONALIZED POLY(PYRROLE-2-CARBOXYLIC ACID) PARTICLES
P 16	D. Godina , K. Meile, A. Zhurinsh, R. Pomilovskis	STABILITY OF BIOMASS-BASED LEVOGLUCOSENONE IN AQUEOUS SOLUTIONS
P 17	R. Golubevas , A. Zarkov, L. Alinauskas, A. Kareiva, E. Garskaite	PREPARATION OF POROUS GLASS-CERAMIC (GC) AND POLYMERIZED 1,6-HEXANDIOLDIACRYLATE (HDDA) COMPOSITE USING FREE RADICAL COPOLYMER CROSSLINKING
P 18	V. Grebnevs , A. Viksna, O. Purmalis, K.A. Gross, L. Pluduma	DEVELOPMENT OF TXRF METHOD FOR DETERMINATION OF CALCIUM AND PHOSPHORUS RATIO IN HYDROXYAPATITES
P 19	D. Grendaite , E. Stonevicius, J. Karosiene, K. Savadova, J. Kasperoviciene	CHLOROPHYLL-A CONCENTRATION RETRIEVAL FROM SENTINEL-2 DATA IN LAKES IN LITHUANIA



P 20	G. Inkrataite , J. Aglinskaite, P. Vitta, R. Skaudzius	PREPARATION AND ANALYSES OF CERIUM DOPED YTTRIUM ALUMINIUM GARNET, BORON NITRIDE AND POLYMER COMPOSITES
P 21	R. Ivanauskas , A. Kunciute	ENVIRONMENT FRIENDLY SORPTION-DIFFUSION METHOD FOR TIN SELENIDE LAYERS FORMATION
P 22	V. Uleviciene, R. Ivanauskas , L. Samardokas	PECULIARITIES OF THE GALLIUM SELENIDE LAYERS FORMATION ON THE POLYAMIDE FILM SURFACE
P 23	K. Jancaitiene , R. Slinksiene	GRANULATION OF POTASSIUM DIHYDROGEN PHOSPHATE
P 24	A. Jansons , A. Osite.	EVALUATION OF SOIL POLLUTION WITH HEAVY METALLIC ELEMENTS IN RAILWAY NEIGHBOURHOOD
P 25	V. Jonauske , Th. C. K. Yang, A. Kareiva	THE FORMATION OF CALCIUM HYDROXYAPATITE THIN FILMS ON STAINLESS STEEL SUBSTRATE
P 26	D. Karloniene , D. Pupienis, S. Tautkus, A. Zarkov	ASSESSMENT OF HEAVY METALS CONTENT IN BEACH SEDIMENTS ALONG THE SOUTHEASTERN BALTIC SEA COAST (LITHUANIA)
P 27	M. Aksamit-Koperska , J. C. Torresa, E. Bulska	PRESERVING WOOLLEN ARTWORK FROM ENVIRONMENTAL IMPACT - PROTEOMIC EXAMINATION OF WOOL'S KERATIN DEGRADATION DEPENDING ON ARTIFICIAL AGEING ATMOSPHERE
P 28	B. Kozka , J. A. Drobniewska, M. Klimaszewska, J. Turlo, G. Nalecz-Jawecki, Giebultowicz	APPLICATION OF PLEUROTUS OSTREATUS IN DEGRADATION OF SELECTED ANTIDEPRESSANTS
P 29	V. Saceviciene, N. Dukstiene, V. Krylova , S. Zalenkiene	STABILITY OF PES/PVC ARCHITECTURAL TEXTILE UNDER ENVIROMENTAL EXPLOTATION
P 30	D. Kucharski , P. Drzewicz, K. Mianowicz, A. Skowronek, G. Nalecz-Jawecki, J Giebultowicz	DETERMINATION OF TRIBUTYL TIN IN SEDIMENTS OF SZCZECIN LAGOON
P 31	A. Ruchajus, G. Dabrilaite-Kudziemiene , A. Jaskunas, S. Kitrys	CO ₂ SORPTION BY HETEROGENEOUS SORBENTS BASED ON ACTIVATED CARBON
P 32	K. D. Labsvards , L. Busa, K. Meile, A. Viksna	DETECTION OF C4 PLANT SUGAR IN ADULTERED HONEY USING IRMS AND UHPLC CHROMATOGRAPHY
P 33	A. Laurikenas , F. Yalcin	ON THE SOLVOTHERMAL SYNTHESIS OF Me ₂ (H ₂ O) ₄ (5SSA) ₃ ·DMF AND Me ₂ (H ₂ O) ₄ (4NSA) ₂ ·DMF COORDINATION POLYMERS
P 34	V. Lazarenko , Z. Balcerbule, V. Rudovica	THE VARIATION OF PHOSPHORUS, SULFUR AND NITROGEN IN LICHENS DEPENDING ON LOCALIZATION AREA



P 35	K. Meile , D. Godina, A. Zhurinsh, R. Pomilovskis	CHALLENGES OF DETERMINING LEVOGLUCOSENONE BY UHPLC IN PYROLYSIS PRODUCTS
P 36	A. Minderyte , S. Butkute, M. Skruodiene, M. Petruleviciene, I. Savickaja, B. SebeKa, A. Selskis, J. Juodkazyte, R. Ramanauskas	SOL – GEL SYNTHESIS OF ELECTROCHEMICALLY ACTIVE MOLYBDENUM OXIDE COATINGS
P 37	A. Moskina , A.I. Popov, V. Savchyn, C. Balasubramanian, O.I. Aksimentyeva, E. Elsts, L. Myasnikova, A. Barmina, N. Zhanturina, S. Sagimbaeva, D. Sergeyev, K.Shunkeyev	LUMINESCENCE CHARACTERIZATION OF AIN NANOTUBE/CsI SCINTILLATOR AND AIN NANOTUBE/POLYMER COMPOSITES FOR MEDICAL APPLICATION
P 38	A. Pakalniskis , L. Fadlyani, I. Grigoraviciute-Puroniene, A. Morkan, Z. Stankeviciute, A. Zarkov, I. Morkan, R. Skaudzius, A. Kareiva	ON THE SYNTHESIS AND CHARACTERIZATION OF BISMUTH FERRITE – BARIUM TITANATE SOLID SOLUTIONS
P 39	A. Pakalniskis , R. Skaudzius	INVESTIGATION ON AFFECT OF HYDROTHERMAL SYNTHESIS CONDITIONS FOR EUROPIUM DOPED GADOLINIUM PHOSPHATE NANOPARTICLES SIZE AND MORPHOLOGY
P 40	R. Navikaite, R. Paleckiene	PREPARATION OF HUMIC SUBSTANCES AND THEIR APPLICATION FOR THE PRODUCTION OF FERTILIZERS
P 41	K. Paulauskaite , I. Mikalauskaite, A. Beganskiene	CHANGING PROPERTIES OF UPCONVERTING NaGdF ₄ NANOPARTICLES
P 42	A. I. Rekertaite , P. Virbickas, A. Valiuniene	FORMATION AND CHARACTERISATION OF MIXED METALS HEXACYANOFERRATES BASED AMPEROMETRIC GLUCOSE BIOSENSORS
P 43	J. Reklaitis , A. Nicolenco, K. Mazeika, R. Davidonis, K. Varsockaja, N. Tsyntsaru, H. Cesiulis	MAGNETIC PROPERTIES OF ELECTRODEPOSITED Fe FILMS AS POTENTIAL CATALYST WITH INCREASED EFFICIENCY
P 44	D. Riektina , T. Krasta, A. Lescinskis	QUALITY CONTROL OF TRITIUM MEASUREMENTS IN ENVIRONMENTAL SAMPLES
P 45	T. Sabirovas , A. Valiuniene	ELETROCHEMICAL ANALYSIS OF ALUMINIUM SURFACE FOR HYBRID BILAYER FORMATION
P 46	I. Sendzikaite , V. Makareviciene	BIOTECHNOLOGICAL SYNTHESIS OF BIODIESEL FUEL BY INTERESTERIFICATION OF RAPSEED OIL WITH METHYL FORMATE



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P 47	G. Burba, D. Sinkeviciute , N. Dukstiene	REMOVAL OF Pb ²⁺ , Ni ²⁺ , Zn ²⁺ AND CrO ₄ ²⁻ FROM ELECTROPLATING WASTEWATER BY ELECTROCOAGULATION
P 48	L. Sinusaite , I. Grigoraviciute- Puroniene, A. Antuzevics, A. Kareiva, A. Zarkov	EFFECT OF MANGANESE DOPING ON THE LOW-TEMPERATURE SYNTHESIS OF TRICALCIUM PHOSPHATE POLYMORPHS
P 49	A. Eimontaite, R. Slinksiene	PECULIARITIES OF GRANULATION OF CHLORELLA VULGARIS ALGAE
P 50	E. Sprugis , G. Vaivars, J. Kleperis	DEVELOPMENT OF POLYMER MEMBRANES FOR CATALYTIC CO ₂ ABSORPTION
P 51	Z. Stankeviciute , J. Januskevicius, A. Kareiva	SOL-GEL SYNTHESIS OF NEODYMIUM SUBSTITUTED CALCIUM HYDROXYAPATITE
P-52	R. Stokiene , R. Ivanauskas, N. Petrsauskiene	STUDY THE SURFACE OF COBALT SULFIDE LAYERS ON POLYAMIDE
P-53	I. Styriakova , D. Styriakova	BACTERIAL TOLERANCE TO TOXIC ELEMENTS AND METALS ADSORPTION/METALLOID EXTRACTION IN SOIL AND SEDIMENT HETEROTROPHIC LEACHING SYSTEMS
P-54	H. Lees, K. Siilak, P. Joul, P. Saar-Reismaa, M. Vaher	NONAQUEOUS CAPILLARY ELECTROPHORESIS METHOD FOR THE DETERMINATION OF PERFLUORINATED COMPOUNDS
P-55	L. Valeikiene , R. Paitian, I. Grigoraviciute-Puroniene, A. Kareiva	SOL-GEL SYNTHESIS OF Mg(X)/Al (X = Ca, Sr, Ba, Ni, Cu, Zn) LAYERED DOUBLE HYDROXIDES
P-56	V. Valkovska , A. Osite, G. Niaura, A. Kareiva	TEMPERATURE INFLUENCE OF HYDROTHERMAL PROCESSING ON PEROXIDE CONTENT AND CRYSTALLINITY OF CALCIUM AND PARTIALLY SUBSTITUTED STRONTIUM HYDROXY-PEROXYAPATITES
P-57	E. Zubryte , A. Gefeniene, D. Kauspediene, S. Jankauskas, R. Ragauskas	TREATMENT OF ANODIZED ALUMINIUM DYEING WASTEWATER BY DRINKING WATER DEIRONING RESIDUALS