



**3rd INTERNATIONAL CONFERENCE ON LIFE
AND ENVIRONMENTAL SCIENCES**

„Smart Bio“, 2nd – 4th May, 2019

**VYTAUTAS MAGNUS UNIVERSITY,
KAUNAS, LITHUANIA**

Program Schedule

2nd May 2019

08:30-12:00 Registration (Small hall of Vytautas Magnus University, S. Daukanto street 28, Kaunas)

10:00-10:15 Opening Ceremony. Welcome word from the Rector of Vytautas Magnus University Prof. Dr. Juozas Augutis.

10:15-10:30 Opening Ceremony. Welcome word and information the Dean of Faculty of Natural Sciences of Vytautas Magnus University Prof. Dr. Saulius Mickevičius.

10:30-13:00 Session 1 (Small hall of Vytautas Magnus University, S. Daukanto street 28, Kaunas).

Chairpersons:

Prof. dr. Algimantas Paulauskas

The Head of Biology Department, Faculty of Natural Sciences, Vytautas Magnus University, Kaunas, Lithuania

Prof. dr. Murat Kaya

Department of Biotechnology and Molecular Biology, Faculty of Science and Letters, Aksaray University, Aksaray, Turkey

10:30-10:45	MURAT KAYA Biological Perspective to Material Science <i>¹Aksaray University, Faculty of Science and Letters, Department of Biotechnology and Molecular Biology, 68100 Aksaray, Turkey</i>
10:45-11:00	<u>OLEKSANDR TASHYREV</u>, VIRA HOVORUKHA, OLESIA HAVRYLIUK Thermodynamic Prognosis Method For Development Of Novel Environmental Biotechnologies <i>Zabolotny Institute of Microbiology and Virology of the National Academy of Sciences of Ukraine, 03143, 154 Zabolotny str., Kyiv, Ukraine</i>

11:00-11:15	EKATERINA BOZHOKINA Outer Membrane Vesicles (OmvS) Of Gram-Negative Bacteria <i>Serratia Grimesii</i> : A Role In Bacterial Invasion <i>Institute of Cytology, RAS, 194064 Russia</i>
11:15-11:30	NADIJA MATVIEIEVA¹, ANATOLIJ SHAKHOVSKY¹, NATALIA KOBYLINSKA², OLENA KHAINAKOVA³, BOGDAN MORGUN¹, OLHA LAKHNEKO¹, YAKIV RATUSHNYAK¹, VOLODYMYR DUPLIJ¹, MYKOLA KUCHUK¹, SAULIUS MICKEVICIUS⁴ “Hairy” Root Culture Of Medicinal Plants As A Source Of Biologically Active Compounds: From Laboratory To Pharmacy <i>¹Institute of Cell Biology and Genetic Engineering NAS of Ukraine, Kyiv, Ukraine, ²Taras Shevchenko National University of Kyiv, Kyiv, Ukraine, ³University of Oviedo-CINN, Oviedo, Spain, ⁴Vytautas Magnus University, Kaunas, Lithuania</i>
11:30-11:45	OLENA DANCHENKO^{1,2}, L. ZDOROVITSEVA², O. VISHCHUR³, O. KOSHELEV¹, T. GALKO¹, M. DANCHENKO², YU. NIKOLAYEVA¹, D. MAYBORODA² The Influence Of Avena Sativa Extract On Redox Processes and Fatty Acid Composition Of Lipids In Geese Tissues <i>¹Melitopol State Pedagogical University, ²Tavria State Agrotechnological University, Melitopol, ³Institute of Animal Biology, Lviv, Ukraine</i>
11:45-12:00	DARIUS DANUSEVICIUS, DARIUS KAVALIAUSKAS, JURATA BUCHOVSKA Where Do The Rare Alleles Hide Themselves In Scots Pine Populations? <i>¹Vytautas Magnus University, Agricultural Academy, Studentų g. 11, LT-53361 Akademija, Kaunas, Lithuania</i>
12:00-12:15	RUSLAN MARIYCHUK Green Synthesis Of Non-Spherical Gold Nanoparticles <i>Department of Ecology, Faculty of Humanities and Natural Sciences, University of Presov, Presov, Slovakia</i>
12:15-12:30	DMITRY GALINOUSKY^{1,2}, NATALIA MOKSHINA³, OLGA SAUTKINA³, LUBOV KHOTYLEVA¹, ALEXANDER KILCHEVSKY¹, TATYANA GORSHKOVA³ Does Pectin Content Impact Flax Fiber Quality? <i>¹Institute of Genetics and Cytology, Minsk, Belarus, ²Belarusian State University, Minsk, Belarus, ³Kazan Institute of Biochemistry and Biophysics, Federal Research Center "Kazan Scientific Center of RAS", Russia</i>
12:30-12:45	ELENA NAZAROVA¹, EKATERINA YUSHKOVA¹, ANDREI IVANETS², ELENA KRIVOSHAPKINA¹, PAVEL KRIVOSHAPKIN¹ Method Of Lactase Immobilization On Ceramic Membranes For Lactose-Free Milk Production <i>¹ITMO University, Lomonosova Street 9, 191002, St. Petersburg, Russian Federation, ²State Scientific Institution "Institute of General and Inorganic Chemistry of National Academy of Sciences of Belarus", Surganova Street 9/1, 220072, Minsk, Republic of Belarus,</i>
12:45-13:00	ALGIMANTAS PAULASKAS, JANA RADZIJEVSKAJA Long Term Investigation Of Vector-Borne Pathogens Transmission In Baltic Countries. <i>Department of Biology, Faculty of Natural Science, Vytautas Magnus University, Kaunas, Lithuania</i>

13:00-14:00 Poster session 1

14:00-15:00 Lunch

14:30 1 Bus to sessions in VMU Botanical Garden

15:00 2 Bus to sessions in VMU Botanical Garden

15:30-17:30 Session 2 (T. Ivanauskas hall, Faculty of Natural Sciences, Vytautas Magnus University, Ž. E. Žilibero street 2, Kaunas)

Chairpersons:

Prof. dr. Vitas Marozas

Faculty of Forest Science and Ecology, Agriculture Academy, Vytautas Magnus University, Kaunas, Lithuania

Prof dr. Fatih Duman

Department of Biology, Faculty of Science, Erciyes University, Kayseri, Turkey

15:30-15:45	FATIH DUMAN¹, UGUR SAHIN² Production Of Biofuel Using Microalgae Harvested From Eutrophic Reservoir <i>¹Erciyes University, Faculty of Science, Department of Biology, Kayseri, TURKEY, ²Erciyes University, Faculty of Science, Department of Chemistry, Kayseri, TURKEY</i>
15:45-16:00	YULIA POLYAK Application Of Microbiological Indicators To Assess Soil And Sediment Quality <i>St. Petersburg Scientific Research Centre for Ecological Safety of Russian Academy of Sciences, Russia</i>
16:00-16:15	L.A. OVSEPYAN, I. N. KURGANOVA, V.O. LOPES DE GERENYU The Linkage Between Microbial Parameters And Density Fractions Of Soil Organic Matter In Post-Agricultural Phaeozems And Chernozems <i>Institute of Physicochemical and Biological Problems in Soil Science, RAS, Pushchino, Russia</i>
16:15-16:30	OLEZIA HAVRYLIUK, VIRA HOVORUKHA, OLEKSANDR TASHYREV Novel Methodological Approach To Discover Super Resistant To Copper(II) Microorganisms As The Base For Environmental Biotechnologies <i>D.K. Zabolotny Institute of Microbiology and Virology the National Academy of Sciences of Ukraine, 154 Zabolotny str., 03143, Kyiv, Ukraine</i>
16:30-16:45	YURII PRYIMAK¹, YELYZAVETA ZHYR¹, OLEKSANDR SMIRNOV¹, ANDRII ZINCHENKO¹, LEILA-ANASTASIIA KARPETS¹, NATALIYA TARAN¹ Multispectral High-Throughput Phenotyping In Evaluation Of Plant Physiological Traits Under Effects Of Various Abiotic Factors <i>¹ESC "Institute of Biology and Medicine" of Taras Shevchenko National University of Kyiv, 64/13, Volodymyrska Street, Kyiv, Ukraine</i>
16:45-17:00	ANTONINA PETLENKO¹, I.CHASHCHIN², N.ANUCHINA², A.ZUBKO², S.ABRAMCHUK³, N.BAKULEVA² Structure And Properties Of Biopolymer Nanocomposite Films Modified In Supercritical Carbon Dioxide <i>¹Faculty of Biotechnology, Lomonosov Moscow State University, Leninskie gory 1–2, Moscow 119991, Russian Federation, ²Bakulev Scientific Center for Cardiovascular Surgery of the Ministry of Health of the Russian Federation, Roublyevskoe Sh. 135, Moscow 121552, Russian Federation, ³Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Vavilova 28, Moscow 119991, Russian Federation</i>

17:00- 17:15	<p>KARINA CHALENKO¹, DARIA NEDOREZOVA¹, ELENA KOSHEL¹, DMITRY KOLPASHCHIKOV^{1,2}</p> <p>The First DNA-Machines Against Antibiotic Resistant Bacteria</p> <p><i>¹Laboratory of Solution Chemistry of Advanced Materials and Technologies, ITMO University, 9 Lomonosova Str., St. Petersburg, 191002, Russian Federation, ² Chemistry Department, University of Central Florida, Orlando, FL 32816-2366, USA</i></p>
17:15- 17:30	<p>SKULKINA K. ¹, PETRIKOV K. ², POZDNYAKOVA-FILATOVA I. ², ZAKHAROVA M. ²</p> <p>PAH Destruction In Oxygen Deficient Conditions By Pseudomonas Putida Strain Bs3701</p> <p><i>¹ Faculty of Biotechnology, Lomonosov Moscow State University, Moscow, Russia, ² G.K. Skryabin Institute of Biochemistry and Physiology of Microorganisms of the Russian Academy of Sciences, Pushchino, Russia</i></p>
17:30- 17:45	<p>VITAS MAROZAS¹, AINIS PIVORAS¹, ALGIRDAS AUGUSTAITIS¹</p> <p>Gas Exchange Characteristics And Chlorophyll Fluorescence Of Three Dominant Boreal Tree Species During The Vegetation Season In Hemiboreal Zone, Lithuania</p> <p><i>¹Faculty of Forest Science and Ecology, Agriculture Academy, Vytautas Magnus University, Kaunas, Lithuania</i></p>

15:30-17:00 Session 3 (Conference hall, Botanical Garden, Vytautas Magnus University, Ž. E. Žilibero street 4, Kaunas)

Chairpersons:

Prof. dr. AUDRIUS SIGITAS MARUŠKA

Instrumental Analysis Open Access Center, Faculty of Natural Sciences, Vytautas Magnus University, Kaunas, Lithuania

Dr. ZHOUITING RONG

¹College of Biological and Environmental Sciences, Zhejiang Wanli University, Ningho 315100, People's Republic of China

15:30-15:45	<u>ZHOUITING RONG, GUOYING QIAN</u> Biomimetic Synthesis of Steroids <i>College of Biological and Environmental Sciences, Zhejiang Wanli University, Ningho 315100, People's Republic of China</i>
15:45-16:00	<u>OLEKSANDR RAK¹, OLEKSANDR SHINDER¹, NATALIJA KUSHNIR¹, SVITLANA DIDENKO¹, MARIJA MATVIENKO², ANDREJ PUSTOVALOV³</u> Simulated Forest Ecosystems Of Eurasia In The M.M. Gryshko National Botanical Garden Nas Of Ukraine <i>¹M.M. Gryshko National Botanical Garden NAS of Ukraine; ²LABIX Ltd., Kyiv, Ukraine; ³Biology and Medicine Institute Science Educational Center of Taras Shevchenko National University of Kyiv, Ukraine</i>
16:00-16:15	<u>MONIKA SIRGĖDIENĖ, DARIUS DANUSEVIČIUS</u> Morpho-Genetic Differentiation Of Scots Pine MtDNA Haplotypes And Bog Populations <i>Vytautas Magnus University, Agricultural Academy, Studentų g. 11, LT-53361 Akademija, Kaunas, Lithuania</i>
16:15-16:30	<u>AWNI AL-OTOOM</u> Preliminary results of cloud seeding using nano materials <i>Department of Chemical Engineering, Jordan University of Science and Technology, Jordan</i>
16:30-16:45	<u>ELENA MIKHAYLOVA¹, ALEXANDER ARTYUKHIN², BULAT KULUEV¹</u> Ecology Of Water Caltrop Trapa L. In The Southern Urals <i>¹Institute of biochemistry and genetics UFRC RAS, Prospek oktyabrya 71, Ufa, Russia, ²Bashkir state university, Zaki Validi 32, Ufa, Russia,</i>
16:45-17:00	<u>JUDITA KOREIVIENĖ¹, JŪRATĖ KAROSIENĖ¹, JŪRATĖ KASPEROVIČIENĖ¹</u> A Circular Economy Eu Life Project: Algae Economy-Based Ecological Service Of Aquatic Ecosystems <i>¹Nature Research Centre, Vilnius LT-08412, Lithuania</i>
17:00-17:15	<u>RUSLAN KUDLAIEV¹, OLEKSANDRA MASHTALER¹</u> Research Of Bryophytes Of The Emerald Network Of Ukraine (Vinnytsia Region) <i>¹Vasyl' Stus Donetsk National University, Department of Botany and Ecology of the Biological Faculty, Ukraine</i>
17:15-17:30	<u>ANASTASIIA V. MAITOVA¹, ANASTASIA V. GRIZEL¹, ALEXANDR A. RUBEL¹ AND YURY O. CHERNOFF^{1,2}</u> Aggregation Of The Sup35 Proteins From Various Yeast Species <i>¹Laboratory of Amyloid Biology, St. Petersburg State University, St. Petersburg 199034, Russia, and ²Georgia Institute of Technology, USA, Atlanta, GA 30332-2000,</i>

17:30- 17:45	AUDRIUS SIGITAS MARUŠKA¹, ONA RAGAŽINSKIENĖ² Review of Projects carried out at the Instrumental Analysis Open-Access Centre <i>¹Instrumental Analysis Open Access Center, Faculty of Natural Sciences, Vytautas Magnus University, Vileikos str. 8, LT-44404 Kaunas, Lithuania</i> <i>²Scientific sector of Medicinal and Aromatic Plants, Botanical Garden, Vytautas Magnus University, Ž.E. Žilibero str. 6, LT- 46324 Kaunas, Lithuania</i>
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18:00-19:00 Excursion to Vytautas Magnus University Botanical Garden

3rd May 2019

08:30-12:00 Registration (Small hall of Vytautas Magnus University, S. Daukanto street 28, Kaunas)

10:00-12:30 Session 4 (Small hall of Vytautas Magnus University, S. Daukanto street 28, Kaunas)

Chairpersons:

Prof. dr. Vida Mildažienė

Department of Biochemistry, Faculty of Natural Sciences, Vytautas Magnus University, Kaunas, Lithuania

Prof. dr. Dimitri Spivak ^{1,2}

¹N.P.Bekhtereva Human Brain Institute, Russian Academy of Sciences, St.Petersburg, Russia, ²D.S.Likhachev Russian Scientific Research Institute of Cultural and Natural Heritage, Moscow, Russia

10:00-10:15	<u>DIMITRI SPIVAK</u>^{1,2}, NATALIA SHEMIAKINA³, ZHANNA NAGORNOVA³, ARINA URAZOVA⁴, IRINA SPIVAK ^{5,6,7} Dynamics Of Electrophysiological Activity Of Brain Under The Influence Of Music Of Various Types And Its Molecular Biological Correlates <i>¹N.P.Bekhtereva Human Brain Institute, Russian Academy of Sciences, St.Petersburg, Russia, ²D.S.Likhachev Russian Scientific Research Institute of Cultural and Natural Heritage, Moscow, Russia, ³I.M.Sechenov Institute of Evolutionary Physiology and Biochemistry, Russian Academy of Sciences, St.Petersburg, Russia, ⁴Halle University Clinic, Halle-Wittenberg University, Halle (Saale), Germany, ⁵Institute of Cytology, Russian Academy of Sciences, St.Petersburg, Russia, ⁶Faculty of Biology, St.Petersburg State University, St.Petersburg, Russia, ⁷Chair of Medical Physics, St.Petersburg State Polytechnical University, St.Petersburg, Russia</i>
10:15-10:30	<u>SVITLANA ANDREIEVA</u>¹, OLENA ALKHIMOVA² Cytogenetic Anomalies in Congenital Heart Defects <i>¹ Institute of Haematology and Transfusiology of NAMS of Ukraine, Kyiv ² Institute of Molecular Biology and Genetics of NAS of Ukraine, Kyiv</i>
10:30-10:45	<u>IVAN SAKHAROV</u> Chemiluminescent Microplate-Based Assays For Detection Of Nucleic Acids <i>Faculty of Chemistry, Lomonosov Moscow State University, Russia</i>
10:45-11:00	<u>DMYTRO TYMCHUK</u>¹, Y. SADOVNICHENKO², N. TYMCHUK², G. POTAPENKO³ Variability of Maize Endospermic Mutants On The Content Of Oleic Acid Glycerides In Oil <i>¹Kharkiv Institute of Medicine and Biomedical Sciences, Kharkiv, Ukraine, ²Kharkiv National Medical University, Kharkiv, Ukraine, ³ Kharkiv National Pedagogical University nd. a. G.S. Skovoroda, Kharkiv, Ukraine,</i>
11:00-11:15	<u>NATALIIA SHEVTSOVA, GUDKOV D.I.</u> Cytogenetic Effects In Root Meristems Of High Aquatic Plants From Chornobyl Exclusive Zone <i>¹ Department of Water Radioecology, Institute of Hydrobiology of the National Academy of Sciences of Ukraine, Geroyv Stalingrada Ave. 12, UA-04210 Kyiv, UKRAINE</i>

11:15- 11:30	<u>NALALYA BILDYUG</u> Switching of Actin Isoforms In Rat Neonatal Cardiomyocytes Is Accompanied By Changes In Integrins And Extracellular Matrix <i>Institute of Cytology RAS, St. Petersburg Russia</i>
11:30- 11:45	<u>SERGEY DROMASHKO^{1,2}, NINA A. BALASHENKO¹</u> DNA Barcoding In Some Belarusian Insects <i>¹State Scientific Institution "Institute of Genetics and Cytology of the National Academy of Sciences of Belarus", Akademicheskaya St. 27, Minsk 22072, Republic of Belarus, ²State Educational Institution "Graduate School of the National Academy of Sciences of Belarus", Knorina St. 1, Minsk 220049, Republic of Belarus</i>
11:45- 12:00	<u>IRINA SPIVAK^{1,2,3}, ANASTASIA TURENKO³, NADEZDA PLESKACH¹, TATYANA LEDASHCHEVA⁴, VICTOR MIKHELSON¹</u> Seckel Syndrome As A Model For Studying DNA Repair Deficiency And Accelerated Aging <i>¹Institute of Cytology, Russia, ²St. Petersburg State Polytechnical University, Russia, ³St. Petersburg State University, Russia, ⁴St. Petersburg Diagnostic (Medico-Genetical) Center</i>
12:00- 12:15	<u>OLENA ROGULSKA, ALEXANDER PETRENKO</u> Cryosensitivity Of Human Dental Pulp Stem Cells <i>Institute for Problems of Cryobiology and Cryomedicine of National Academy of Science of Ukraine, 23 Pereyaslavskaya str., Kharkiv, Ukraine</i>
12:15- 12:30	<u>VIDA MILDAŽIENĖ</u> Use Of Plant Stress Response For Increasing Plant Biomass, Harvest And Production Of Biologically Active Compounds <i>¹Department of Biochemistry, Faculty of Natural Sciences, Vytautas Magnus University</i>

12:30-13:30 Poster session 2

13:30-14:30 Lunch

14:30-17:00 Session 5 (Small hall of Vytautas Magnus University, S. Daukanto street 28, Kaunas).

Chairpersons:

Prof. dr. Saulius Mickevičius

Department of Physics, Faculty of Natural Sciences, Vytautas Magnus University, Kaunas, Lithuania

Yuliia Ovchynnikova

Faculty of Biology, Vasyl Stus Donetsk National University, Vinnytsa, Ukraine

14:30-14:45	<u>EKATERINA V. ZAKHAROVA</u>^{1,2}, <u>RUSLAN G. GONCHAROV</u>¹, <u>MARS G. SHARAPOV</u>¹, <u>MAXIM S. KONDRATYEV</u>¹ Investigation Of The Interaction Of Peroxiredoxin 6 With Some Thiols <i>¹Institute of Cell Biophysics RAS, Puschino, Moscow region, Russia, ²Lomonosov Moscow State University, Moscow, Russia</i>
14:45-15:00	<u>SERGEY GOLENCHENKO</u>¹, <u>ALEXANDER ZHYDETSKI</u>², <u>VLADIMIR PROKULEVICH</u>³ Production Of Antistaphylococcal Protein Lysk528 In <i>E. Coli</i> . <i>^{1,2,3} Belarusian state university, Nezavisimosti avenue, 4, Minsk, Republic of Belarus</i>
15:00-15:15	<u>POLINA STARKOVA</u>¹, <u>TATIANA LYALINA</u>¹, <u>MARINA ZAYCHIKOVA</u>^{2,3}, <u>VALERY DANILENKO</u>^{2,3}, <u>DMITRY KOLPASHCHIKOV</u>^{1,4,5} Detection Of Double-Stranded Mycobacterium Tuberculosis Using Dna Nanomachine Based On Binary Deoxyribozyme Sensors <i>¹ ITMO University, Laboratory of Solution Chemistry of Advanced Materials and Technologies, Lomonosova St. 9, 191002, St. Petersburg, Russian Federation, ² Vavilov Institute of General Genetics, Russian Academy of Sciences, Gubkina St. 3, 117971, Moscow, Russia, ³ Scientific Research Center for Biotechnology of Antibiotics "BIOAN", Chertanovo Severnoe St. 3B, 113648, Moscow, Russia, ⁴ Chemistry Department, University of Central Florida, 4000 Central Florida Boulevard, Orlando, FL 32816-2366, ⁵ Burnett School of Biomedical Sciences, University of Central Florida, Orlando, 32816, Florida, USA</i>
15:15-15:30	<u>ANDRIUS KUČAS</u>¹, <u>LINAS BALČIAUSKAS</u>¹ Seasonal And Daily Ungulate-Vehicle Collision Variation Analysis <i>¹Nature Research Centre, Laboratory of Mammalian Ecology, Akademijos str. 2, LT-08412 Vilnius-21, Lithuania</i>
15:30-15:45	<u>A.V. SYROESHKIN</u>¹, <u>IRINA TARABRINA</u>¹, <u>M.A. MORZOVA</u>¹, <u>A.V. MARUHLENKO</u>¹ Possible Mechanisms Of Relations Between Thermal Neutrons Field And Biosphere <i>¹ Peoples' Friendship University of Russia 117198, Miklukho-Maklaya str.6, Moscow, Russia</i>
15:45-16:00	<u>RAMINTA SKIPITYTĖ</u>^{1, 2} Stable Isotopes In Dietary And Palaeodietary Studies <i>¹Nature Research Center, Akademijos str. 2, LT-08412 Vilnius, Lithuania, ²Center for Physical Sciences and Technology, Saulėtekio ave. 3, LT-10257, Vilnius, Lithuania</i>
16:00-16:15	<u>ANASTASIA KISELEVA</u>², <u>DARIA DOLOTOVA</u>¹, <u>EVGENIA BLAGOSKLONOVA</u>¹, <u>IVAN ARCHIPOV</u>¹, <u>ANDREI GAVRILOV</u>^{1,3} Application Of Computational Fluid Dynamics In Planning Of Extra-Intracranial Bypass Operation <i>¹Gammamed-Soft Ltd, Russia, Moscow, Leninskii gori st., 1/2 , ²Russian national research medical University named after N.I. Pirogov, Russia, Moscow, Ostrovityanova st.,1, ³Lomonosov Moscow state University, Skobel'syn Institute of nuclear physics, Laboratory of medical computer systems, Russia, Moscow, Leninskii gori st., 1/2</i>

<p>16:15- 16:30</p>	<p>LINAS JURGUTIS^{1,2}, ALVYRA ŠLEPETIENĖ¹, JONAS VOLUNGEVIČIUS¹ Management Of Digestate And Energy Production Under Anaerobic Digestion Process As Sustainable Organic Waste Treatment Strategy ¹ <i>Institute of Agriculture, Lithuanian Research Centre for Agriculture and Forestry (LAMMC), Lithuania,</i> ²<i>Modus Energy Solutions, Lithuania,</i></p>
<p>16:30- 16:45</p>	<p>POLINA ADAMOVA^{1,2}, OLGA IRTYUGA³, LARISA SMAGINA², OLGA MOISEEVA³, IRINA VORONKINA² Analysis Of Matrix Metalloproteinase (Mmps) Activity At Aortic Stenosis In Humans ¹<i>St-Peterburg State Institute of Technology, 26 Moscow ave., St. Petersburg, 190013, Russia,</i> ²<i>Institute of Cytology RAS, 4 Tikhoretskiy ave., St. Petersburg, 194064, Russia,</i> ³<i>Almazov National Medical Research Centre, 2 Akkuratova str., St. Petersburg, 197341, Russia</i></p>
<p>16:45- 17:00</p>	<p>VLADAS ŽULKUS¹, ALGIRDAS GIRININKAS¹, LINAS DAUGNORA¹, MIGLĖ STANČIKAITĖ¹, JOLITA PETKUVIENĖ¹, JURATA BUCHOVSKA², TOMAS RIMKUS¹ Biological, Archaeological, And Geological Analysis Of The Coastal And Underwater Material Of The Baltic Sea During The Early Holocene ¹<i>Institute of Baltic Sea Region History and Archaeology, Klaipėda University, Herkaus Manto street 84 LT-92294, Klaipėda, Lithuania,</i> ²<i>Lithuanian Research Centre for Agriculture and Forestry, Institute of Forestry, Liepų street 1, Girionys, 53101</i></p>
<p>17:00- 17:15</p>	<p>V.V. KONISHCHUK^{1,2}, O.B. KHODYN³, I.V. SOLOMAKHA¹, S.I. KOVAL¹, N.M. MELNYK¹ Ecological Impact Of Phytoinvasions In Ukraine ¹<i>Institute of Agroecology and Environment Management, National Academy of Agrarian Sciences of Ukraine, Kyiv, Ukraine,</i> ²<i>Public Council, Ministry of Ecology and Natural Resources of Ukraine,</i> ³<i>Natural reserve «Medobory», Hrymailiv, Ternopil'ska oblast, Ukraine</i></p>

14:30-17:00 Session 6 (402 room, Vytautas Magnus University, S. Daukanto street 28, Kaunas).

Chairpersons:

Prof. dr. Eugenija Kupčinskienė

Department of Biology, Faculty of Natural Sciences, Vytautas Magnus University, Kaunas, Lithuania

Dr. Vira Hovorukha

Zabolotny Institute of Microbiology and Virology of the National Academy of Sciences of Ukraine, Ukraine

14:30-14:45	OLEKSANDR TASHYREV, <u>VIRA HOVORUKHA</u>, OLESIA HAVRYLIUKA Thermodynamic Prognosis Method For Development Of Novel Environmental Biotechnologies <i>Zabolotny Institute of Microbiology and Virology of the National Academy of Sciences of Ukraine, 03143, 154 Zabolotny str., Kyiv, Ukraine</i>
14:45-15:00	<u>JOLANTA NEMANIUTE-GUZIENE</u>¹, AUDRIUS DĖDELĖ ¹ Residential Exposure To Road Traffic Noise In Children Population Near Major Lithuanian Roads <i>¹Vytautas Magnus University, Faculty of Natural Sciences, Department of Environment, Vileikos str. 8-212, LT-44404 Kaunas, Lithuania</i>
15:00-15:15	<u>ADELĖ MARKEVIČIŪTĖ</u>¹, JUZĖNAS SIGITAS¹, PRIGODINA-LUKOŠIENĖ INGRIDA ¹ Epiphytic Lichen And Bryophyte Diversity On Oaks In Habitats Of Hermit Beetle (<i>Osmoderma Eremita</i>) <i>¹Vilnius University, Life Sciences Centre, Saulėtekio al. 7, Vilnius</i>
15:15-15:30	<u>HALYNA STETSUN</u>¹, HAMED RAJABI², NATALIA MATUSHKINA³, STANISLAV GORB⁴ Functional Morphology Of The Sting In Two Digger Wasps (<i>Hymenoptera: Crabronidae</i>) With Different Types Of Prey Transport <i>¹Department of Taxonomy of Entomophagous Insects and Ecological Principles of Biocontrol, I. I. Schmalhausen Institute of Zoology NAS of Ukraine, vul. B. Khmelnytskogo, 15, Kyiv, 01030, Ukraine, ^{2,4}Department of Functional Morphology and Biomechanics, Zoological Institute, Kiel University, Am Botanischen Garten 9, 24098 Kiel, Germany, ³Department of Ecology and Zoology, Institute of Biology and Medicine, Taras Shevchenko National University of Kyiv, vul. Volodymirs'ka, 64, 01033 Kyiv, Ukraine</i>
15:30-15:45	<u>KAMILĖ KLEPECKIENĖ, JANA RADZIJEVSKAJA, IRMA RAŽANSKĖ, ALGIMANTAS PAULAUSKAS</u> Abundance Of Deer Keds Among Different Species Of Cervids And Their Infection With Bartonella Spp. In Lithuania <i>Department of Biology, Vytautas Magnus University, LT-44404, Kaunas, Lithuania</i>
15:45-16:00	<u>RŪTA KEMBRYTĖ</u> Genetic Diversity Of European Beech Populations Based On Phenological Forms In Lithuania <i>Vytautas Magnus University, Lithuania</i>
16:15-16:30	<u>IVANKLIN SOARES CAMPOS-FILHO</u>¹, CAMILE SORBO FERNANDES², GIOVANNA MONTICELLI CARDOSO³, MARIA ELINA BICHUETTE², JOSÉ OTÁVIO AGUIAR¹ AND STEFANO TAITI^{4, 5} New Species And Records Of Philosciidae And Scleropactidae (Crustacea, Isopoda, Oniscidea) From Brazilian Caves <i>¹Universidade Federal de Campina Grande, Programa de Pós-Graduação em Recursos Naturais, Campina Grande, Paraíba, Brazil, ² Universidade Federal de São Carlos, Departamento de Ecologia e Biologia Evolutiva, São Carlos, São Paulo, Brazil, ³ Universidade Federal do Rio Grande do Sul, Programa de Pós-Graduação em Biologia Animal, Porto Alegre, Rio Grande do Sul, Brazil, ⁴ Instituto di</i>

	<i>Ricerca sugli Ecosistemi Terrestri, Consiglio Nazionale delle Ricerche, Sesto Fiorentino (Florence), Italy, ⁵ Museo di Storia Naturale, Sezione di Zoologia "La Specola", Florence, Italy</i>
16:30-16:45	<u>RADOSŁAW LEWOŃ¹, JOANNA-PIETRZAK-ZAWADKA²</u> The Advantages And Disadvantages Of Forest Education In Social Media In Poland <i>¹Faculty of Forestry Poznań University of Life Sciences, Poland, ²Faculty of Forestry Bialystok University of Technology</i>
16:45-17:00	<u>EUGENIJA KUPČINSKIENĖ</u> History of invasion into Lithuania and present state of <i>Echinocystis lobata</i> (Michx) T. & G. <i>Department of Biology, Vytautas Magnus University, Kaunas, Lithuania</i>
17:00-17:15	<u>VLADIMIR MOLCHANOV</u> Investigation Of The Kinetics Of Amino Acid Synthesis Biocatalytic Reactions In The Organic Raw Material Fermentation Conversion <i>Tver Technical University, Afanasy Nikitin str., 22, Tver, 170026, Russia</i>

17:15-18:00 Poster Session 3

18:00-18:30 Closing remarks (Small hall of Vytautas Magnus University, S. Daukanto street 28, Kaunas).

18:30-20:00 Excursion in Kaunas city center

4th May 2019 Post conference tour to Open-Air museum of Lithuania
(participations are meeting at 9:50 near the central entrance of S. Daukanto g. 28, Kaunas central entrance)

During this post conference we will have an opportunity to sail with a boat to Rumšiškės and will have guided tours around the museum. After these activities you will learn to craft potato rolls on a cabbage leaf with traditional Lithuanian songs and games.