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APPROX.

## Thursday, 15<sup>th</sup> of October

9.00-9.30  
(time zone  
GMT+3)

**Opening of the conference:** *Prof. Saulius Mickevičius (dean of Faculty of Natural Sciences)*  
*Prof. Habil. Dr. Audrius Maruška (chairman of the conference)*

**Oral presentations. Chairmans:** *Prof. Habil. Dr. Audrius Maruška,*  
*Prof. Habil. Dr. Ona Ragažinskienė*

9.30-9.45 **Evaluation of Glucose Oxidase Catalyzed Reaction Using Scanning Electrochemical Impedance Microscopy**

A. Zinovicius, K. Blazevic, A. Dorofejus, J. Rozene, I. Morkvenaite-Vilkonciene, A. Ramanavicius

9.50-10.05 **Determination of Glucose, Pyruvate,  $\alpha$ -Ketoglutarate, Citrate, Succinate, Fumarate, Malate, Oxaloacetate and 2HG Levels in vitro by Using High Performance Liquid Chromatography Method**

E. Bulut Atalay, H. Ayar Kayali

10.10-10.25 **Heavy Metals Contents in Polish Bee Pollen, Royal Jelly, And Propolis**

E. Matuszewska, K. Maciolek, J. Matysiak

10.30-10.45 **Cellulose/Alginate Biocomposites and Their Properties**

A. Žiūkaitė, M. Strykaitė, J. Damašius

10.50-11.05 **Quantitative Evaluation of *Irpex lacteus* and its Extracts Ability to Decolorize Textile Dyes**

M. Žagunis, N. Tiso, J. Mikašauskaitė-Tiso, A. Maruška

11.10-11.25 **Enzyme-Assisted Extraction New Method of Biologically Active Compounds Isolation**

K. Rafińska, A. Krakowska-Sieprawska, J. Walczak-Skierska, A. Kielbasa, B. Buszewski

11.30-11.50 *Coffee break*

**Posters session I. Chairmans:** *Dr. Nicola Tiso, Dr. Mantas Stankevičius*

11.50 **Microbiological Quality of Biltong Marketed in Lubumbashi, Haut-Katanga Province, RD Congo**

M. Aime, N. G. Mavungu, K. R. A. Mpalang, K. M. Umba, M. P. Kapay, O. V. Embeya

11.55 **The Evidence of "Bystander" Effect After Bleomycin Electrotransfer**

N. Barauskaitė, P. Ruzgys

12.00 **Effect of Different Types of Marinating Formulation and Grilling Methods on Chicken Quality and N-nitrosamine Formation**

K. Baumilaite, A. Stepankeviciene, S. Gustiene

**Thursday, 15<sup>th</sup> of October**

- 12.05** **Diversity and Plant Growth Promoting Traits of *Quercus robur* Cultivable Fungal**  
(time zone GMT+3) E. Beniušytė, D. Vaitiekūnaitė, S. Kuusienė
- 12.10** **Evaluation of Binders for Lyophilized Raw Materials**  
A. Žiūkaitė, J. Damašius
- 12.15** **Electrochemical Deposition of Polypyrrole Films Modified with Phenothiazine Derivatives**  
R. Boguzaitė, V. Ratautaite, L. Mikoliunaite, A. Ramanavicius
- 12.20** **Dependence of Bleomycin Cytotoxicity on Plasmid Size Using Concomitant Bleomycin and Plasmid DNA Electrotransfer**  
A. Rimgailaitė, S. Šatkauskas
- 12.25** **Development of an Electrochemical Polypyrrole Sensor with L-Tryptophan Imprints**  
E. Brazys, V. Ratautaitė, A. Ramanavičius
- 12.30** **Determination of Total Phenolic Content and Antioxidant Activity of the Kombucha Beverage Derived from Lemon Balm, Linden Flowers, Oak Bark and Caraway Seeds**  
M. Bulotaitė, V. Kaškonienė, A. Maruška
- 12.35** **Variation of Biologically Active Compounds of *Geranium sanguineum* L. during Different Vegetation Stages**  
S. Saunoriūtė, O. Ragažinskienė, A. Maruška, M. Stankevičius
- 12.40** **Aggregation-Induced Emission Enhancement of Triphenylethylene-Functioned Salicylaldehyde-Based Schiff Base: Synthesis and DFT Studies**  
V. Calko, D. Gudeika, J. V. Grazulevicius
- 12.45** **Cellular Response to Short-term Hypoxia by Changes in Alternative Pre-mRNA Splicing**  
K. Šapovalovaitė, I. Kanopaitė, E. Jakubauskienė, L. Vilys
- 12.50-13.15** **Lunch break**
- Posters session II. Chairmans: Dr. Nicola Tiso, Kristina Bimbiraitė-Surviliene**
- 13.15** **An Influence of Q65A Point Mutation on the Ligand Binding and Catalytic Activity of S-Adenosyl-L-Homocysteine Hydrolase from *Pseudomonas aeruginosa***  
J. Czyrko-Horczak, K. Brzezinski
- 13.20** **Synthesis and Evaluation of Antibacterial and Antioxidative Activities of Carbazole Compounds**  
K. Dabrovskas, I. Jonuskiene, D. Gudeika
- 13.25** **Synthesis and Properties of Novel Dimethoxycarbazole and 1,4-Dicyanobenzene-Based (D-A-D) Moieties**  
S. Giedraityte, A. Bucinskas, D. Volyniuk, O. Bezvykonnyi, J. V. Grazulevicius

## Thursday, 15<sup>th</sup> of October

- 13.30**  
(time zone  
GMT+3)
- Hypoxia's Influence on MAPT Alternative Pre-mRNA Splicing and Its Regulation by U2AF**  
R. Gradauskaitė, J. Šidiškis, L. Vilys, E. Jakubauskienė
- 13.35**
- Design and Synthesis of Dibenzothiophene-Based Compounds for TADF-based OLEDs**  
T. Janeliunas, D. Gudeika, J. V. Grazulevicius
- 13.40**
- The Influence of Biochar Fertilization on Spring Wheat Biomass Formation Under Different Watering Condition**  
U. Stulpinaitė, V. Tilvikienė, D. Feizienė, M. Ayaz
- 13.45**
- A New Approach to Flavonoids Isolation from *Medicago sativa* Leaves – Optimization the Parameters of Extraction Process and Enzymatic Hydrolysis**  
A. Krakowska-Sieprawska, K. Rafińska, J. Walczak-Skierska, B. Buszewski
- 13.50**
- Through-Space Charge Transfer in Bipolar Hosts of High-Efficiency Blue OLEDs**  
S. Macionis, D. Gudeika, D. Volyniuk, J. H. Lee, P. H. Lee, C. H. Chen, T. L. Chiu, J. V. Grazulevicius
- 13.55**
- Analysis of Thuja (*Thuja spp.*) Biological Activity**  
M. Bytautas, A. Maruška, K. Bimbiraitė-Survilienė
- 13.50**
- Determination of the Phenolic Profile of *Vaccinium vitis-idaea* L. Flowers**  
G. Vilkickytė, L. Raudonė
- 13.45**
- Marine Compounds as Proteasome Activators**  
M. A. Vasilopoulou, M. C. Theodoropoulou, V. Roussis, N. Chondrogianni
- 13.50**
- Potential Usage of Acorns for Human Food and Health: A Review**  
A. Kondratavičiūtė, P. Kaškonas, V. Kaškonienė, A. Maruška

**Friday, 16<sup>th</sup> of October****(time zone  
GMT+3)****Oral presentations. Chairmans: Dr. Paulius Ruzgys, Assoc. Prof. Dr. Vilma Kaškonienė**

- 9.00-9.15**      **Serpin Expression in Chemoresistant Human Colorectal Carcinoma Cells HCT116**  
B. Aleksandravičiūtė, J. Navickaitė, V. Žitkutė
- 9.20-9.35**      **Development of a 2D Semiconductor Ionizing Radiation Detector**  
O. Kudrešova, B. G. Urbonavičius
- 9.40-9.55**      **Thermoluminescent Dosimetry of Low Energy Photons**  
L. Lileikyte, B. G. Urbonavicius
- 10.00-10.15**    **Preliminary Analysis of Polymerization Dynamics in Dosimetric Gels Using  
Photospectrometric System**  
M. Merkis, A. Jreije, B. G. Urbonavičius, D. Adlienė
- 10.20-10.35**    **Biofuel Cell Based on *Saccharomyces cerevisiae* Using Lipophilic and Hydrophilic  
Mediator Systems**  
K. Blazevic, A. Zinovicius, J. Rozene, I. Morkvenaite-Vilkonciene, A. Ramanavicius
- 10.40-10.55**    **Smart Geiger-Muller Counter for the Internet of Things**  
J. Beresnevičius, B. G. Urbonavičius
- 11.00-11.20**    **Coffee break**

**Posters session. Chairmans: Dr. Mantas Stankevičius, Dr. R. Mickienė**

- 11.20**            **1,8-Naphthalimide-Based Derivatives Exhibiting Orange-Red Thermally Activated  
Delayed Fluorescence and Their Application in OLED**  
N. Masimukku, D. Gudeika, O. Bezikonny, D. Volyniuk, J. V. Grazulevicius
- 11.25**            **Targeted Metabolomic Study of Prolidase-Treated Human Dermal Keratinocytes  
Under the Condition of IL-1 $\beta$ -Induced Inflammation.**  
M. Misiura, W. Miltyk
- 11.30**            **Essential Oil Composition of Ground Ivy (*Glechoma hederacea* L) Growing in  
Northeast of Latvia**  
I. Nakurte, M. A. Balode, I. Mežaka, N. A. Mizobata, A. Kronberga
- 11.35**            **Induced Decrease in Small Molecule Electrotransfer Efficiency by Extracellular  
Calcium**  
D. Navickaitė, P. Ruzgys, M. Maciulevičius, R. Sincevičiūtė, S. Šatkauskas

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## Friday, 16<sup>th</sup> of October

- 11.40** **Antioxidant and Anticancerous Properties of Eucalyptus Lignins *In Vitro***  
(time zone GMT+3)  
A. Oberemko, O. Oihana, G. Saulis, V. Baublys, J. Labidi
- 11.45** **The Role of SRSF7 in Hypoxia Induced Alternative Splicing**  
A. Semionovaitė, K. Sivickis, L. Vilys, A. Kanopka
- 11.50** **Analysis of the Dynamics of Microplastics in the Urmia Lake Catchment**  
R. Pashaei, R. Dzingelevičienė
- 11.55** **Synthesis and Properties of Bicarbazoyl-Based Hole-Transporting Materials**  
E. Pečiulis, T. Cadden, J. Simokaitienė, D. Volyniuk, J. V. Gražulevičius
- 12.00** **The Usefulness of MALDI-MSI in Diagnosing Ovarian Tumours – a Pilot Study**  
D. Pietkiewicz, A. Horała, S. Plewa, P. Jasiński, E. Nowak-Markwitz, Z. J. Kokot, J. Matysiak
- 12.05** **Preliminary Study on The Fraction Collection of Royal Jelly Using High Performance Liquid Chromatography**  
S. Plewa, J. Pawelkiewicz, J. Matysiak
- 12.10** **Antioxidant Activity and 10-HDA Content in Lithuanian Royal Jelly**  
G. Jestremskaitė, R. Mickienė, V. Kaškonienė, A. Maruška
- 12.15** **Symbiotic Relationships Between *Populus* Explants and *Pseudomonas* sp. Bacterium *in vitro***  
G. Striganičiūtė, J. Žiauka, I. Szy-Borowska, M. Niemczyk
- 12.20** **Fabrication of Ratchets for Macromolecular Separation and Single-Chip Contactless Conductivity Multi-Channel Detection System**  
A. Maruška, T. Drevinskas, M. Stankevičius, K. Bimbraitė-Survilienė, V. Kaškonienė, O. Kornýšova, L. Jonušauskas, R. Gadonas, S. Nilsson
- 12.25** **Synthesis and Properties of Triphenylamine and Methoxycarbazole-Based Hole Transporting Materials**  
T. Žutautas, E. Zdanavičiūtė, A. Bučinskas
- 12.30** **Compound Produced by Bacteria and Their Antifungal Evaluation in a Model Study with *Aspergillus* spp.**  
Rūta Mickienė, Audrius Sigitas Maruška
- 12.35** **Closing of conference**