

**Faculty of Food Engineering, Tourism and Environmental
Protection**
**Institute of Research- Development-Innovation in Technical and
Natural Sciences**

Organizing Committee:

- Prof. Dr. Florentina Munteanu
- Prof. Dr. Dana Copolovici
- Prof. Dr. Lucian Copolovici
- Assoc. Prof. Dr. Virgiliu Ciutina
- Assoc. Prof. Dr. Dorina Chambre
- Assoc. Prof. Dr. Dana Radu
- CS III Dr. Mihaela Dochia
- CS Dr. Andreea Lupitu

The 18th of May 2018

Section Environmental Engineering - M Building, Room A2

Chairmen: Florentina Munteanu
Radu Sumalan

- 14.30-15.00** Assessing Ecosystem-Atmosphere Relations of Hemiboreal Mixed
PL1 Forests
Steffen Noe
- 15.00-15.15** The green synthesis of metallic nanoparticles (silver and selenium)
OP1 using plant extracts
Vasile Laslo, Simona Cavalu, Simona Vicas
- 15.15-15.30** Biocatalysis alternatives dedicated to flavors and fragrances
OP2 production
Sabina Ion, Cristina Sora, Vasile I. Parvulescu, Madalina
Tudorache
- 15.30-15.45** Self-assembling in functional liquid crystals
OP3 Elisabeta I. Szerb

15.45-16.00 Coffee Break

Section Plants, Environment and Human Health - M Building, Room A2

Chairmen: Stefana Jurcoane
Salme Timmusk

- 16.00-16.15**
OP4 Capsaicin microencapsulation in alginate versus chitosan matrices
Carolina Negrei, Ariana Hudita, Vlad Ioana-Lavric, Bianca Galateanu, Marieta Costache, Silvia Dragomir, Rodica-Mariana Ion, Miriana Stan, Doina Draganescu, Corina Dalia Toderescu, Octav Ginghină
- 16.15-16.30**
OP5 Aspects regarding the life cycle management of pharmaceutical / sanitary products
Simona Bungau, Delia Mirela Tit, Katalin Fodor, Lavinia Purza, Ciprian Iovan
- 16.30-16.45**
OP6 The culture medium influence on the callus growth of bitter melon (*Momordica charantia* L.)
Alina Simina, Dorica Botău
- 16.45-17.00**
OP7 Romanian tomatoes local landraces- valuable food sources for a changing future
Radu Sumalan, Sorin Ciulca, Sorina Popescu, Florin Bodnaraescu, Renata Sumalan, Lucian Copolovici
- 17.00-17.15**
OP8 Development of novel mass spectrometry approaches for the analysis of brain gangliosides and their structural and functional interactions
Laurentiu Popescu, Mirela Sarbu, Adrian Robu, Alina D. Zamfir
- 17.15-17.30**
OP9 Influence of environmental parameters on sorption processes of potential endocrine disruptors on carbon nanomaterials
Alina Catrinel Ion

17.30-18.00 Posters presentation

- PP1** Monitoring of particulate matter (PM10) concentrations in the Western part of Romania
Adina Bodescu, Lucian Copolovici
- PP2** „Baking” pollutants in atmosphere identified nearby us
Corina Popitanu, Dennis N. Iosif, Lucian Copolovici, Dana Copolovici
- PP3** Antiradical activity of Nettle leaves extracts (*Urtica dioica* L.)
Anca Dicu, Claudiu Ursachi, Simona Perta-Crisan
- PP4** Calculated thermo-chemical data for discrimination by differential mass spectrometry of some C₁₀H₁₈O isomers from lavender oil
Lucian Copolovici, Dumitru Condrat, Nicolae Dinca
- PP5** Experimental conditions influence on the thermal behavior of cotton-flax fabrics after an eco-friendly pretreatment
Mihaela Dochia, Dorina Chambre, Simona Gavrilaş, Monica Pustianu, Iolanda Tolan, Gabriela Onofrei
- PP6** Phisico-mechanical properties of the cotton/flax blended fabrics after a green scouring treatment
Mihaela Dochia, Simona Gavrilaş, Monica Pustianu, Dorina Chambre, Cecilia Sîrghie
- PP7** Thermal and FT - IR analysis of bioscoured cellulosic fabrics
Dorina Chambre, Mihaela Dochia, Cecilia Sîrghie, Iolanda Tolan, Gabriela Onofrei, Adina Maria Bodescu
- PP8** Fluorenone derivatives, intermediates in the synthesis of liquid crystals
D. Haidu, S. Angela, L. Deveseleanu-Corici, A. Ardelean, E.I. Szerb, O. Costisor, G. Ungar, L. Cseh
- PP9** Researches concerning the level of fermentable sugars from feed materials in relation with cellulase hydrolysis by carbohydrase enzyme
Mihaela Dumitru, Cristina Tabuc, Ionut Sorescu, Andreea Vasilachi, Mihaela Habeanu, Stelian Petre, Ștefana Jurcoane,
- PP10** Improving yoghurt quality by adding extracts from *Momordica charantia* and *Cucumis metuliferus*
Mihaela Meșter, Dumitru Condrat, Daniela Diaconescu, Monica Zdremțan, Lucian Hălmăgean, Andreea Lupitu, Ștefania Gâdea

- PP11** Toxic plants present in spontaneous flora of western Romania
Sergiu Palcu, Claudia Muresan, Claudiu Ursachi
- PP12** Monitoring acetic fermentation under laboratory conditions
Ionel Popescu-Mitroi, Dana Gina Radu
- PP13** Valorization of winery by-products for the treatment of some
wastewaters
Simona Gavrilaş, Alina Vasilescu, Florentina-Daniela Munteanu
- PP14** Persistent organic pollutants around us – incidence and exposure
risk
Ana Virsta, Mirela Alina Sadu
- PP15** The influence of ketoprofen on *Phaseolus vulgaris* L. plants
Monica Taschina, Dana Copolovici, Lucian Copolovici

19.00 - Conference Dinner

AVU's Restaurant "Red House" (2 Ursului Str., Arad)

The 19th of May 2018

**Section Food Science, Applied Biotechnologies and Sustainability –
M Building, Room A2**

Chairmen: Steffen Noe
Ana Virsta

- 9.00-9.30
PL2** Integrating plant microbiome to increase crop quality and soil resilience
Salme Timmusk, Julian Conrad, Lawrence Behers
- 9.30-9.45
OP10** The results of the study on the cadastral identification and the function it has in applying the environment protection rules and restrictions
Anca Ispas Musceleanu
- 9.45-10.00
OP11** Application of microbial electrochemical technologies in the waste water treatment and biosensor development
Imre L. Biczóa, Claudiu Iulian Barbu
- 10.00-10.15
OP12** Researches concerning invasive species of plants from Mureș floodplain natural park - propagation and control measures
Florentina Munteanu, Ioan Calinovici, Virgiliu. Ciutina, Monica Lungu , Oana Brânzan, Paul Hac
- 10.15-10.30
OP13** Use of antibiotics: their impact on the environment
Florentina-Daniela Munteanu, Gabriela Cioca, Alina Vasilescu
- 10.30-10.45
OP14** Chemical profiles of different plant extracts determined by chromatographic methods
Adriana Csakvari, Andreea Lupitu, Lucian Copolovici, Dana Copolovici
- 10.45-11.00
OP15** A study case of the toxic impact of cardiovascular drugs on surface waters
Silvana Ardelean, Roxana Vasilescu, Gabriela Cioca
- 11.00-11.15
OP16** Volatile organic compounds emission from plants under climate change pression
Lucian Copolovici, Dana Copolovici, Andreea Lupitu