

**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
- Lecturer Dr. Adina Bodescu
- CS III Dr. Mihaela Dochia
- CS III Dr. Andreea Lupitu

**The 24<sup>th</sup> of May 2019**

**Section: Environmental Engineering - M Building, Room A2**

Chairmen: Mauro Centritto  
Ülo Niinemets

- 14.30-15.00** Molecular Dynamics for Fiber and Cosmetic Applications  
**PL1** Jose Do Egipto, Artur Cavaco-Paulo
- 15.00-15.30** Degradation of Poly(Ethylene Terephthalate) In The Context Of “Beat  
**OP1** Plastic Pollution”  
M. Tudorache, C. Sora, S. Voicea, F. Carta, C.T. Supuran, V.I.  
Parvulescu
- 15.15-15.30** Cu(I) Complexes with N<sup>N</sup> Coordinating Ligands as Functional Materials  
**OP2** For Sensing  
Elisabeta I. Szerb
- 15.30-15.45** Essential Oils: Background and Uses  
**OP3** Dana Copolovici, Andreea Lupitu, Cristian Moisa, Dana Mot, Silvia Mot,  
Adina Maria Bodescu, Lucian Copolovici
- 15.45-16.00 Coffee Break and Posters Presentations**

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

Chairmen: Artur Cavaco-Paulo  
Elisabeta Szerb

- 16.00-16.30**  
**PL2** Agriculture Under Global Change  
Ülo Niinemets
- 16.30-17.00**  
**PL3** Evolutionary Development of Stomatal Control of Photosynthesis and Climate Change  
Mauro Centritto, Matthew Haworth
- 17.00-17.15**  
**OP4** Determination of Ganglioside Composition, Structure and Functional Interactions in Human Brain in Health and Disease by Advanced Mass Spectrometry  
Mirela Sarbu, Raluca Ica, Alina Petrut, Cristian Munteanu, David E. Clemmer, Alina D. Zamfir
- 17.15-17.30**  
**OP5** New And Traditional Methods Used for Keratin Extraction from Wool Fibers  
Florentina-Daniela Munteanu, Simona Gavrilaş, Lucian Copolovici, Andrea-Raluca Sărsan, Dana-Maria Copolovici
- 17.30-17.45**  
**OP6** Volatile Organic Compounds Emission - An Innovative Tool for Plants Stress and Food Characterization  
Lucian Copolovici, Florentina Munteanu, Cristian Moisa, Dana Copolovici

## Posters presentation

- PP1** Natural Dyes Extracted From Food By-Products With Applications for Natural Fiber Dyeing  
Simona Gavrilaş, Andrea-Raluca Sărsan, Mihaela Dochia, Lucian Copolovici, Dana-Maria Copolovici, Loredana-Nicoleta Lazăr, Florentina-Daniela Munteanu
- PP2** Supramolecular Liquid Crystalline Assemblies In Water of Transition Metal Complexes  
Carmen Cretu, Maria A. Spirache, Otilia Costisor, Elisabeta I. Szer
- PP3** Improving Firmness of Some Fresh and Pasteurized Fruits  
Claudiu Ursachi, Claudia Mureșan Simona Perța-Crișan, Sergiu Palcu
- PP4** From Waste to Resource  
Claudiu Iulian Barbu
- PP5** Studies on the Acclimatization and Introduction Into Culture of the *Stevia Rebaudiana* Species In the Pedoclimatic Conditions In the Arad Area  
Mihaela Meșter, Daniela Diaconescu, Monica Zdremțan, Maria Balint, Lucian Hălmăgean
- PP6** Sensory Evaluation of Kiwano Yoghurt  
Mihaela Meșter, Daniela Diaconescu, Anca Dicu, Monica Zdremțan, Dumitru Condrat
- PP7** Analysis Of Flavonoids From *Crataegus monogyna*, *Rosa canina* and *Vaccinium myrtillus* Species  
Dumitru Condrat, Monica Zdremțan, Andreea Lupitu, Gabriela Condrat, Mihaela Meșter, Virgiliu Ciutină
- PP8** Natural Dyes Extracted from Food By-Products With Applications for Natural Fiber Dyeing  
Simona Gavrilaş, Andrea-Raluca Sărsan, Mihaela Dochia, Lucian Copolovici, Dana-Maria Copolovici, Loredana-Nicoleta Lazăr, Florentina-Daniela Munteanu
- PP9** Influence of Drought Stress on Pea Plants (*Pisum Sativum* L.)  
Loredana Lazăr, Lucian Copolovici
- PP10** The Phenological Stages Influnece Against the Chemical Composition of Some Essential Oils Belonging to the *Lamiaceae* Family  
Cristian Moisa, Lucian Copolovici, Georgeta Pop, Andreea Pag, Zina Moisa, Dana Copolovici

- PP11** Characterization of The Enzymatically Pretreated Cellulosic/Lignocellulosic Woven Fabric By FT-IR ATR and TR/DTG Analyses  
Mihaela Dochia, Dorina Chambre, Simona Gavrițaș, Iolanda Tolan, Gabriela Onofrei
- PP12** Quantification of Residual Pectin from Bioscoured Hemp/Cotton Fabric By FT-IR ATR Analysis  
Dorina Chambre, Mihaela Dochia, Simona Gavrițaș, Iolanda Tolan, Gabriela Onofrei
- PP13** Methods of Reduction of the Emissions of Polluting Gases During the Waste Composting Process  
Dan Danciu, Iolanda Tolan, Florentina-Daniela Munteanu
- PP14** Use of Some Agro-Food Industrial Wastes for the Treatment of Wastewaters  
Violeta Năstuneac, Simona Gavrițaș, Florentina-Daniela Munteanu
- PP15** May Be the Biotic And Abiotic Stresses of Plants Responsible for the Absorption of Volatile Organic Compounds from the Air? How They Make the Air Cleaner?  
Angela Corina Popitanu, Dana Maria Copolovici

**19.00 - Conference Dinner**

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

**The 25<sup>th</sup> of May 2019**

**Section: Food Science, Applied Biotechnologies and Sustainability  
(Round table – D Building, Room D12)**

Chairmen: Florentina Munteanu  
Lucian Copolovici

- 9.30-9.45  
OP7** Developing Teaching and Learning Resources for Blended Learning Courses  
Dana Gina Radu, Ionel Popescu-Mitroi
- 9.45-10.00  
OP8** Valorisation of Waste Grounded Coffee  
Simona Perta-Crișan, Ionel Popescu-Mitroi, Claudiu Ursachi, Simona Gavrițaș, Anca Mihaela Dicu, Florentina-Daniela Munteanu
- 10.00-10.15  
OP9** Optimisation of The Fermentation And Distillation Processes for the Production of High Quality Plums Spirits  
Claudia Mureșan, Sergiu Palcu, Monica Lungu, Virgil Ciutină, Lucian Copolovici, Florentina-Daniela Munteanu
- 10.15-10.30  
OP10** Role of the Fat Content in the Preparation of Puff Pastry with a Layered Structure  
Sergiu Palcu, Claudia Mureșan, Monica Lungu, Claudiu Ursachi, Florentina – Daniela Munteanu
- 10.30-10.45  
OP11** Implementation of European Structural Funds Projects in Timiș County: Good Practices  
Sabin Chiș, Călin Dobra, Ioan Csoz, Eugenia Țigan, Ioan Calinovici
- 10.45-11.00  
OP12** Fatty Acid Profile Determined in Sturgeon's Gonads  
Ioana Cristiana Moldovan, Dana Copolovici
- 11.00-11.15  
OP13** The Antibiotic Resistance – A Striking Problem of Our Times  
Silvana-Adriana Ardelean, Vanesa-Larisa Bloaje-Florică, Gabriela Cioca