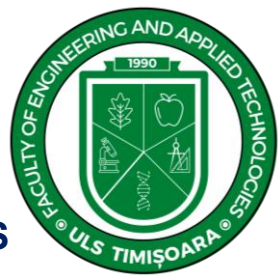




**UNIVERSITY OF LIFE SCIENCES
"KING MIHAI I" FROM TIMISOARA**

FACULTY OF ENGINEERING AND APPLIED TECHNOLOGIES



**Symposium
"Young People and Multidisciplinary Research in
Applied Life Sciences"**

Section:

**"Horticulture, Landscaping, Forestry and
Plant Biotechnology"**

Amphitheatre Prof. univ. dr. Codreanu Horea BUTNARIU

13 – 14 November 2025

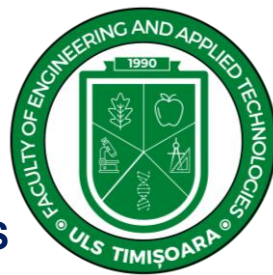
**Symposium Section President,
Professor Alin DOBREI, PhD**





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PROGRAM 13 November 2025

- 13.30-13.45 Welcoming participants
- 13.45-13.50 Opening the event Prof. habil. Ciprian FORA, PhD

Presentations

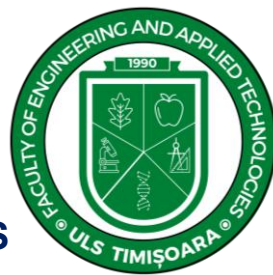
- 13.50-14.00 Pál SZARVAS, Judit DOBRÁNSZK: Salt tolerance of Giant reed (*Arundo donax* L.) ecotypes in callus cultures in vitro
- 14.00-14.10 Dóra FARKAS, Judit DOBRÁNSZKI: Parental effects on progeny: intergenerational phenotypic plasticity in potato plants
- 14.10-14.20 Lucia URBANOVÁ, Silvia FARKASOVÁ, Lenka KUČEROVÁ, Ali Jabran, Jana ŽIAROVSKÁ: Isoform-specific expression patterns of the MdPR10 gene in apple cultivars with Golden Delicious pedigree
- 14.20-14.30 Silvia FARKASOVÁ, Lucia URBANOVÁ, Ivana SPEVÁKOVÁ, Alžbeta JAUSCHOVÁ, Jana ŽIAROVSKÁ: Molecular screening of allergen-related homologs in commonly used herbs utilizing ypr-10 and profilin-based DNA marker systems
- 14.30-14.40 Coritar FRANCISCA, Adriana CIULCA, Iuliana POPESCU, Renata ȘUMĂLAN: Comparative study on the performance of five lavender genotypes cultivated in the conditions of the west of the country, the perimeter of the Mănăștur locality, Arad County
- 14.40-14.50 Mariana BORZA, Marinela COSTEA, Loredana SORAN, Radu ȘUMĂLAN: Phytotoxic effects of some natural extracts on tomato (*Solanum lycopersicum* L.) germination and seedling growth





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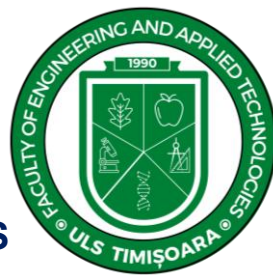
- 14.50-15.00 Vlad IORDĂNESCU: Comparative analysis of beech forests in the Domogled-Valea Cernei and Semenic-Cheile Carașului National Parks
- 15.00-15.10 Ovidiu EREMI, Florin SALA: *Ambrosia artemisiifolia* L. leaves fractal geometry variation in relation to nitrogen rate
- 15.10-15.20 Ovidiu EREMI, Florin SALA: Comparative statistical analysis in determining leaf area based on leaf parameters – Case study on poplar
- 15.20-15.30 Marinela COSTEA, Sorina POPESCU, Mariana PÂRJOL, Radu-Liviu ȘUMĂLAN: Morphological and molecular characterization of selected species belonging to the genus *Silphium*
- 15.30-15.40 Eugeniu ALEXANDROV: Oil content in grapevine seeds of intra- and interspecific provenance genotypes
- 15.40-15.50 Cristina CISMAS, Victor POPA, Gabriela VLASE: Extraction of polyphenols from plant products and their use in order to obtain cosmetic products. Case study: faculties from West University of Timișoara
- 15.50-16.00 Beatrice GĂLDEANU, Gabriela VLASE: Obtaining biofertilizers from vegetal residues: an innovative approach in circular economy
- 16.00-16.10 Andreea NISTOR, Daniela ARDELEAN, Lucian CĂLUGAR, Albert FODOR, Cerasela PETOLESCU: Strategies for in vitro conservation of Muhle roses and their reintroduction into the historical collection of the Rose Garden
- 16.10-16.20 Elena MAGHEȚ (OLARIU), Isidora RADULOV, Daniela POȘTA, Ionuț DASCĂLU, Olimpia Alina IORDĂNESCU: Analysis of some chemical properties of soils in the arboreal area of Lugoj municipality
- 16.20-16.30 Aurelia MIHUȚ, Casiana MIHUȚ, Tamara Edina GAL, Alexandra BECHERESCU, Olimpia Alina IORDĂNESCU: Analysis of the importance of strawberry





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(Fragaria x ananassa) cultivation in the European Union and Romania: economic, technological and pedoclimatic implications

• 16.30-16.40 Bianca GÂLVAN, Ilie COVRIG, Steluța Maria SINGIORZAN: Study on work standardization for timber harvesting and extraction under different forest operation technologies

• 16.40-16.50 Julia DEBRECZENI, Daniel CZIRA, Iulia COROIAN, Ancuța ROTARU: Topographic and geometric analysis of lake Chios, Cluj-Napoca

• 16.50-17.00 Alexandrina Gabriela RUS, Diana Andrada SĂLĂGEAN, Stefania ANDRONIE, Steluța Maria SINGIORZAN, Luisa ANDRONIE: Protein bars with therapeutic effects made from forest fruits and tree seeds

• 17.00-17.10 Ionuț Florin TUDOR, Stefania ANDRONIE, Marcel Alexandru VÎȚ, Luisa ANDRONIE, Steluța Maria SINGIORZAN: Exploitation of forestry seeds and marine algae in the production of functional cheeses

• 17.10-17.20 Alicia TĂMĂȘAN, Mihai ORZOI, Iulia COROIAN, Luisa ANDRONIE: Bivariate polynomial modelling of viscosity in fruit juices using the least squares method

• 17.20-17.30 David PRUNĂ, Cornelia BUZATU-GOANȚĂ Black locust in the stands of Mănăstire Forest administrated by the Lunca Timișului Forest District

• 17.30-17.40 Maia CAPOTESCU, Felicia PETCU, Ramona UNGUR, Simion ALDA, Marcel DANCI: Effect of growth regulator combinations on in vitro shoot proliferation and root formation in *Fragaria vesca* and *Fragaria x ananassa*

• 17.40-17.50 Monica Elena BÎRLEA, Ioan SĂRAC, Alina-Maria ȚENCHE-CONSTANTINESCU: *Sambucus nigra* in cultural landscapes: symbolism, healing properties, and aesthetic valences

• 17.50-18.00 Vlad-Rareș BUȚĂ, Dacian-Virgil LALESCU, Alina-Maria ȚENCHE-CONSTANTINESCU: Sacred geometry: unifying church interiors with green spaces





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• 18.00-18.10 Nistor VULPEȘ, Iulian DANCI, Ioan SĂRAC, Alina-Maria ȚENCHE-CONSTANTINESCU: Learning forestry practical skills through field trips

PROGRAM 14 November 2025

Presentations

- 10.00-10.10 Oliver MERCE, Ciprian VASILE: Acoustic bird monitoring – advantages and disadvantages
- 10.10-10.20 Ionela MÎȚU, Victoria PRISĂCARU, Tatiana GROPA, Diana ANDRONOVICI, Alina-Maria ȚENCHE-CONSTANTINESCU: Tree diversity along the Bîc river: ecological and aesthetic contributions to Chișinău's urban landscape
- 10.20-10.30 Cristina TOȚA, Cristian BERAR, Florin SALA: Cuttings rooting of some Echeveria genotypes in relation to biostimulating substances
- 10.30-10.40 Cristina TOȚA, Cristian BERAR, Florin SALA: *Ginkgo biloba* L. leaf area in relation to leaf parameters – Comparative analysis on female and male trees
- 10.40-10.50 Carmen BEINȘAN, Radu ȘUMĂLAN, Hazem Mohamed KALAJI, Deian Marco LAZA: A study examining the effects of diethyl ether on the photosynthetic activity of *Dionaea muscipula*
- 10.50-11.00 Maria Mihaela MOATĂR, Daniel Ghiță STRĂIN, Cristina Gabriela PANICI, Carolina ȘTEFAN, Alexandru PANICI, Petru Ioan DRAGOMIR: Research on the ecological restoration of degraded lands in the Ostrovul Moldova Veche rehabilitation area





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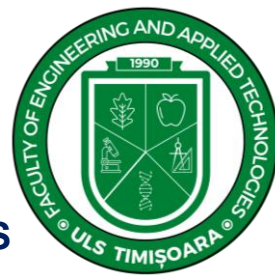
- 11.00-11.10 Maria Mihaela MOATĂR, Vlad FLORESCU, Marinela BORA, Daniela Nicoleta SCEDEI, Alexandru PANICI, Petru Ioan DRAGOMIR: Research regarding general aspects concerning the forest fund of the Sasca Montană forest district
- 11.10-11.20 Alexandru PANICI, Adelina UDRESCU, Marinela BORA, Cristina PANICI, Carolina ȘTEFAN, Mihaela MOATĂR, Petru DRAGOMIR: Studies on forest stands in Production Unit I Vlădila, within the Caracal Forest District, Olt Forestry Directorate
- 11.20-11.30 Alexandru PANICI, Ion UDRESCU, Marinela BORA, Cristina PANICI, Andreia CRAIOVAN, Daniela SCEDEI, Mihaela MOATĂR, Petru DRAGOMIR: Studies on the condition of forest stands in Production Unit II Băltane, Strehaia Forest District, Mehedinți Forestry Directorate
- 11.30-11.40 Giancarla VELICEVICI, Adriana CIULCA, Sorin CIULCA, Carmen BEINȘAN, Mihaela MĂLĂESCU, Adriana MUNTEAN, Iuliana CREȚESCU: Evaluation of qualitative traits in some pear cultivars and local populations grown in the Western part of Romania
- 11.40-11.50 Maria Roberta TRIPON, Florin Adrian HUIBAN, Claudia ȘERBAN, Marijana SOKOLOVIĆ, Camelia TULCAN: Validation of polyphenol analysis in tomato skin extracts: dual calibration and recovery assessment
- 11.50-12.00 Florin Adrian HUIBAN, Maria Roberta TRIPON, Dorin Dumitru CAMEN, Camelia TULCAN: Exploring the antioxidant potential of *Plantago lanceolata* extracts
- 12.00-12.10 Simona Ana FORTAN, Dorin CAMEN, Giancarla VELICEVICI: Influence of foliar treatments on chlorophyll content in tomatoes (*Solanum lycopersicum* L.) under abiotic stress conditions
- 12.10-12.20 Aurelia MIHUȚ, Casiana MIHUȚ, Tamara Edina GAL, Alexandra BECHERESCU, Olimpia Alina IORDĂNESCU: Analysis of the importance of strawberry





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- **12.20-12.30 Aurelia MIHUȚ, Casiana MIHUȚ, Tamara Edina GAL, Ionuț DASCĂLU, Olimpia Alina IORDĂNESCU: Favorability of pedo-climatic conditions in strawberry cultivation in Giarmata (Timiș). Case study**
- **12.30-12.40 Petru Ioan DRAGOMIR, Mădălin Nicușor BRATILOVEANU, Carolina ȘTEFAN, Maria Mihaela MOATĂR, Alexandru PANICI, Daniela SCEDEI: Research on the ecological reconstruction of degraded lands in the Ghimpați improvement perimeter, Ghimpați Forest District**
- **12.40-12.50 Petru Ioan DRAGOMIR, Bogdan COSTIN, Carolina ȘTEFAN, Maria Mihaela MOATĂR, Alexandru PANICI, Daniela SCEDEI: Studies on the development works of the Băcia Park**

