



**UNIVERSITY OF LIFE SCIENCES
„KING MIHAI I” FROM TIMIȘOARA**



FACULTY OF ENGINEERING AND APPLIED TECHNOLOGIES

21 – 22.11.2024

**”Young people and multidisciplinary research
in applied life sciences”**

Section:

”Horticulture, Forestry and Biotechnology”

We are honoured by your participation!

**Dean,
Professor Dorin CAMEN, PhD**



PROGRAM 21.11.2024

THE SECTION ENGINEERING AND APPLIED TECHNOLOGIES

Amphitheatre Prof. Dr. Codreanu Horea BUTNARIU

Subsections:

**Horticulture and Landscaping
Genetics and Applied Biotechnology
Forestry**

Moderators:

- 1. Professor Olimpia IORDANESCU, PhD**
- 2. Professor Ciprian FORA, PhD**
- 3. Associate Professor Giancarla VELICEVICI, PhD**

- 8.30-10.00 Registration of the participants
- 14.00-14.20 *Opening the symposium section Day 1*
- 14.20-14.35 Larisa BOJAN, Biochemical potential of *Salvia sclarea* L.: in vitro cultivation and chemical profiling approaches.
 - 14.35-14.40 Q&A
- 14.40-14.55 Francisca CORITAR, Preliminary results regarding the essential oil extraction yield and the compositional diversity obtained from 5 lavender cultivars growing in Vinga fields, Arad county.
 - 14.55-15.00 Q&A
- 15.00-15.15 Marinela COSTEA, Developing an in vitro propagation protocol for *Silphium perfoliatum*.
 - 15.15-15.20 Q&A
- 15.20-15.35 Ovidiu EREMI, Variation models of maize ear production in relation to morphological elements.
 - 15.35-15.40 Q&A
- 15.40-16.00 *Coffee break*
- 16.00-16.15 Francisca CORITAR, Research on the influence of biostimulants and rooting substrate on the production of *Lavandula angustifolia* Mill. seedlings the HIDCOTE variety.
 - 16.15-16.20 Q&A
- 16.20-16.35 Tamara GAL, A review of patulin, "the mycotoxin of apples", and its methods of detection.
 - 16.35-16.40 Q&A
- 16.40-16.55 Cristian MATE, The effects of cadmium, cobalt and copper on the germination of *Helianthus annuus* L. seeds.
 - 16.55-17.00 Q&A
- 17.00-17.15 Claudia SZILAGHY, Influence of temperature and preservatives on *Liatris spicata* cut flowers.
 - 17.15-17.20 Q&A
- 17.20 *Closing the symposium section Day 1*



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- 10.00-10.20 *Opening the symposium section Day 2*
- 10.20-10.35 Andreea NISTOR, Modern propagation techniques for fruit shrubs.
 - 12.10-12.15 Q&A
- 10.40-10.55 Ovidiu EREMI, Comparative analysis of maize hybrids based on kernels production.
 - 10.55-11.00 Q&A
- 11.00-11.15 Emilian ONIȘAN, The usage of the SCoT Molecular Markers for determining the genetical purity of the commercial hybrids of *Helianthus annuus*.
 - 11.15-11.20 Q&A
- 11.20-11.35 Luana SABO, Dry matter content variation in seeds of hemp for fiber - Comparative study in some genotypes.
 - 11.35-11.40 Q&A
- 11.40-11.55 Elena MAGEȚ, Potential utilization of some arboreal species' by-products in composting and floral art.
 - 11.55-12.00 Q&A
- 12.00-12.20 *Coffee break*
- 12.20-16.30 *Posters session*
- 12.20-12.30 Alina STOICHESCU, Research regarding the influence of foliar fertilizers on two peach varieties.
- 12.30-12.40 Luana SABO, Thousand seeds weight in industrial hemp genotypes - Comparative analysis.
- 12.40-12.50 Alina SIMINA, Uncovering the role of *Momordica charantia* in diabetes: Therapeutic and Biotechnological Perspectives.
- 12.50-13.00 Ramira ACIA, Feng Shui elements for a peaceful and inviting family garden.
- 13.00-13.10 Cristina TOȚA, Determining the leaf area of fig trees by non-destructive methods.
- 13.10-13.20 Sándor RÓZSA, The use of freeze-dried mushrooms in instant food preparations.
- 13.20-13.30 Sándor RÓZSA, The use of lyophilisation in the process of obtaining apple chips.
- 13.30-13.40 Ionuț AUGUSTIN, Study of variability for yield components in some popcorn (*Zea mays*, var. *everfa*) genotypes.
- 13.40-13.50 Mădălina ALBU, Analysis of the character height of the stems of *Sarcococca ruscifolia* Stapf. seedlings obtained through cuttings using different rooting substrates.
- 13.50-14.00 Corneliu IACOB, Evaluation of variation for pod morphological traits in snap bean (*Phaseolus vulgaris* L.) over years and varieties.
- 14.00-14.20 *Coffee break*



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- 14.20-14.30 Corneliu IACOB, Interrelationships association and path-coefficient analysis for pod morphological traits in snap bean (*Phaseolus vulgaris* L.).
- 14.30-14.40 Ioana MOLDOVAN, Establishing the influence of *Cymbidium* cultivars on the main characteristics and the correlation between them.
- 14.40-14.50 Francisca CORITAR, In vivo study of lavender and thymus essential oil vapor-phase on the antifungal potential and quality of strawberries stored for 7 days.
- 14.50-15.00 Mariana HANCZIG, Research regarding the valorisation of medicinal plants in the Lugoj area (Timis county).
- 15.00-15.10 George CONSTANTINESCU, Feteasca neagra: a successful Romanian wine - tradition and future perspectives.
- 15.10-15.20 Robert HEIZER, Enhancing traceability in Romanian wines: protected designation of origin, protected geographical indication and varietal.
- 15.20-15.30 Cristina TOȚA, Variability of some morphological parameters in crocus plants in relation to growing conditions.
- 15.30-15.40 Alexandra OLTEANU, The design of railway areas for cohesion and urban mobility.
- 15.40-15.50 Orsolya BORSAL, Influence of fertilization on fruit production and storage capacity in some apple varieties.
- 15.50-16.00 Cornel NEGRUȘIER, The influence of soil physical properties on root development of fruit trees.
- 16.00-16.10 Cristina CRISTEA, Analysis of the must and wine of several grape varieties in the Pâncota wine-growing area.
- 16.10-16.20 Antony MAGHIAR, The Influence of June-bearing and everbearing strawberry varieties on crop productivity.
- 16.20-16.30 Iuliana CREȚESCU, Physical and chemical parameters of Sauvignon Blanc dry white wines from different areas in Romania.
- 16.30 Closing symposium section Day 2



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Organising Committee:

Prof. Dorin CAMEN, PhD

Prof. Sorin CIULCA, PhD

Prof. Alin DOBREI, PhD

Prof. Ciprian FORA, PhD

Prof. Olimpia IORDĂNESCU, PhD

Prof. Ilinca IMBREA, PhD

Prof. Ioan SĂRAC, PhD

Prof. Radu ȘUMĂLAN, PhD

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Lecturer Adriana CIULCA, PhD

Lecturer Anca DRĂGUNESCU, PhD

Lecturer Mihaela MĂLĂESCU, PhD

Lecturer Cerasela PETOLESCU, PhD

Lecturer Cristina TOȚA, PhD

Assist. Ionuț DASCĂLU, PHD

Emilian ONIȘAN, PhD

Larisa BOJAN, PhD student

Francisca CORITAR, PhD student

Tamara GAL, PHD student

Roberta TRIPON, PhD student