



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

FACULTY OF ENGINEERING AND APPLIED TECHNOLOGIES

30 – 31.05.2024

”Multidisciplinary Conference on Sustainable Development”

Section:

**”Research, innovation and technology transfer in the
Horticulture, Forestry and Biotechnologies fields”**

We are honoured by your participation!

**Dean,
Professor Dorin CAMEN, PhD**



PROGRAM 30.05.2024

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. Lecturer Giancarla VELICEVICI, PhD**

- 8.30-10.00 Registration of the participants
- 14.30-14.40 Opening the symposium
- 14.40-14.55 Mircea ILIESCU (Cambridge University), The evolution of modern humans from a genomic perspective.
 - 14.55-15.00 Q&A
- 15.00-15.15 Anita LUCACI (University of Liverpool), Encouraging genomic research: comprehensive sequencing services, Genomic Research Centre, Liverpool.
 - 15.15-15.20 Q&A
- 15.20-15.35 Oliver MERCE, The main pressures on forest habitats in the Natura 2000 site ROSCI0241 Tinovul Apa Lina - Honcsok.
 - 15.35-15.40 Q&A
- 15.40-15.55 Ciprian VASILE, Study on the natural regeneration of the beech in the "Izvoarele Nerei" nature reserve.
 - 15.55-16.00 Q&A
- 16.00-16.20 Coffee break
- 16.20-16.35 Florin HUIBAN, CRISPR: Next-generation tool used in plant biotechnology.
 - 16.35-16.40 Q&A
- 16.40-16.55 Sergiu GORJAN, The influence of soil resources in the school of vines in the Dragasani.
 - 16.55-17.00 Q&A
- 17.00-17.15 Andreea NISTOR, Assessing genetic stability in *Begonia tuberhybrida* regenerants through RAPD molecular markers.
 - 17.15-17.20 Q&A



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- 9.00-9.15 Emilian ONISAN, Transgenic sunflower genotypes: production, evaluation, and improvement strategies.
 - 9.15-9.20 Q&A
- 9.20-9.35 Paul DRAGOI, The Coleoptera diversity in the Giroc forest, part of the site Natura 2000 Lunca Timisului, Romania.
 - 9.35-9.40 Q&A
- 9.40-10.40 Open discussions: Role of innovation and technology in the private sector development (academic members and representatives of companies MEWI, IPSO, Banat Farming, Holland Farming, Hektar Seeds, Natur Grup Integral, Syngenta, BASF, Dradara Wine Cellar, Dealu Dorului Wine Cellar).
- 10.40-11.00 Coffee break
- 11.00-14.00 Posters section, Q&A
- Jana ŽIAROVSKÁ, Lucia URBANOVÁ, Lenka KUČEROVÁ, Adam KOVÁČIK, Miroslava KAČÁNIOVÁ, Sequence based prediction of 26S rRNA in medicinal plants for qRT-PCR purposes
- Tincuța Marta GOCAN, Sándor RÓZSA, Ileana ANDREICA, Alexandru Ioan APAHIDEAN, Viorel TAMAȘ, Gheorghe POȘTA, Study of some morphological and biochemical characters of *Rumex acetosa* L.
- Viorel TĂMAȘ, Sándor RÓZSA, Tincuța-Marta GOCAN, Alexandru Ioan APAHIDEAN, Rodica SIMA, Dănuț Nicolae MĂNIUȚIU, The influence of the cultivar and the cultivation technology on the yield of leaf cabbage (*Brassica oleracea* var. *palmifolia*)
- Tincuța Marta GOCAN, Ileana ANDREICA, Daniela Sabina POȘTA, Roxana STOIAN, Sándor RÓZSA, Vase life extension of four cut roses cultivars (*Rosa x hybrida*)
- Sándor RÓZSA, Tincuța Marta GOCAN, Claudiu Ioan BUNEA, Iunia GUDEA, Florian Dumitru BORA, Anca Cristina BABEȘ, Attila KESSERU, Anamaria CĂLUGĂR, Preliminary results for a new horticultural product obtained from two table grape varieties – Afuz ali and Italia

- Cristina TOȚA, Cristian BERAR, Sorin ȘERBANESCU, Florin SALA, Generative propagation in geraniums in relation to different growth substrates
- Cristina TOȚA, Cristian BERAR, Florin SALA, Fractal analysis in the study of the flowers shape in the species *Leontopodium alpinum* Cass.
- Maria Roberta TRIPON, Florin Adrian HUIBAN, Marijana SOKOLOVIC, Cristina GAȘPAR, Dorin Dumitru CAMEN, Camelia TULCAN, Phytochemical, antioxidant and antibacterial profile of *Achillea millefolium* L.: a literature review
- Aurica Breica BOROZAN, Despina Maria BORDEAN, Sorina POPESCU, Mariana Atena POIANA, Corina Dana MIȘCĂ, Diana MOIGRĂDEAN, Camelia MOLDOVAN, Delia Gabriela DUMBRAVĂ, Evaluation of the microbiome on untreated grapes and from the mus
- Aurica Breica BOROZAN, Despina-Maria BORDEAN, Sorina POPESCU, Mirela Viorica POPA, Corina Dana MIȘCĂ, Diana Nicoleta RABA, Alina DOBREI, Ciprian STROIA, Estimation of metal content and bacteria in drinking water
- Vasile MELNIC, Orsolya BORSAL, Viorel MITRE, Tincuța Marta GOCAN, Sándor RÓZSA, Claudiu Ioan BUNEA, Fruit characteristics of some scab-resistant and non-scab - resistant apple varieties
- Eleonora NISTOR, Alina DOBREI, Simion ALDA, Marcel DANCEI, Gabriel CIORICĂ, Alin DOBREI, The impact of Merlot grapes harvesting time on berry composition
- Eleonora NISTOR, Alina DOBREI, Simion ALDA, Marcel DANCEI, Gabriel CIORICĂ, Alin DOBREI, Relationship between grape berry size and their oenological characteristics
- Steluța Maria ȘÎNGEORZAN, Irina MORAR, Alina TRUȚĂ, Iulia ARION , Ilie COVRIG, Alexandru COLIȘAR, Horia Dan VLASIN, Seed germination of exotic species under the influence of different biostimulants
- Steluța Maria ȘÎNGEORZAN, Ilie COVRIG, Mădălina COVRIG, Vasile CEUCA, Alexandru COLIȘAR, Research on the choice of exploitation technologies in the context of FSC forest management certification
- Andrei TĂNASE, Dorin SUMEDREA, Alina FLOREA, Daniel DIN, Adrian ASĂNICĂ, The response of controlled irrigation on the yield and plant parameters of three cultivars of table grapes from central Romania
- Adelina VENIG, Aurora VENIG, Olimpia IORDĂNESCU, Research regarding the behavior of the Suncrest peach cultivar in the conditions of Bihor county
- Iulia Diana ARION, Irina MORAR, Mircea VARGA, Ionuț Marius CORUJAN, Alina TRUȚĂ, Study on the influence of several biostimulants on the germination capacity of oak seeds (*Quercus robur* L.)
- Irina MORAR, Alina TRUȚĂ, Catalina DAN, Norbert Lehel ȘIPOȘ, Steluța Maria ȘÎNGEROZAN, Iulia Diana ARION, The Influence of some biostimulants on spruce (*Picea abies* [L.] Karst.) germination
- Alina TRUȚĂ, Iulia Diana ARION, Cristina RUSU, Steluta Maria ȘÎNGEORZAN, Cătălina DAN, Irina MORAR, Research on the presence of resonant Norway spruce within the Tomnatic experimental base
- Luisa ANDRONIE, Ioana POP, Florica MATEI, Adina TRUȚĂ, Ancuța ROTARU, Cristina HEGHEDUȘ, Application of FTIR Spectroscopy in characterization of *Pinus sylvestris* and *Fagus sylvatica* seeds
- Ioana Maria TOPLICEAN, Patricia Raluca TRĂISTARU, Daniela Georgiana CIOBANU, Adina Daniela DATCU, Preliminary study regarding the effects of saline solution on *Lupinus* sp. Development
- Simion ALDA, Despina Maria BORDEAN, Mihaela MOATĂR, Ciprian FORA, Daniela SCEDEI, Marcel DANCEI, Teodor CRISTEA, Liana Maria ALDA, Mineral content evaluation of some green tea assortments

- Horia Dan VLASIN, Aldo Bogdan CSAKI, Steluța Maria SÎNGEORZAN, Biogenic capacity on Someșul Cald river, Romania, in order to increase the salmonoids potential
- Giancarla VELICEVICI, Adriana CIULCA, Sorin CIULCA, Dorin Dumitru CAMEN, Mihaela Maria MOATĂR, Mihaela MĂLĂESCU, Carmen BEINSAN, Camelia TULCAN, Evaluation of some characteristics of raspberry cultivars grown in Timiș county
- Alex Peter COTOZ, Valentin DAN, Tincuța Marta GOCAN, Ileana ANDREICA, Sándor RÓZSA, Maria CANTOR, Results regarding the impact of environmental factors on *Sedum* planting elevations
- Ana Loredana PANAS, Renata ȘUMĂLAN, Carmen BEINȘAN, Daniela SCEDEI, Radu ȘUMĂLAN, The impact of ecological and conventional technologies on strawberry fruit quality (*Fragaria × ananassa* Duch.)
- Cerasela PETOLESCU, Ioan SĂRAC, Sorina POPESCU, Irina PETRESCU, Emilian ONIȘAN, Advancing agriculture and medicine: the dual impact of CRISPR technology
- Alina Georgeta DOBREI, Eleonora NISTOR, Mihaela MĂLĂESCU, Monica BÎRLEA, Daniela SCEDEI, Simion ALDA, Daniela DOBROMIR, Alin DOBREI, Identification, characterization, and marketing of local grape cultivars from Sibiu county, Romania
- Alina Georgeta DOBREI, Eleonora NISTOR, Mihaela MĂLĂESCU, Mirela POPA, Anca DRĂGUNESCU, Aurica BOROZAN, Alin DOBREI, Research on the fertility and production of some local grape cultivars from Alba county
- Alin DOBREI, Eleonora NISTOR, Florin BORCA, Mihaela MĂLĂESCU, Daniela DOBROMIR, Alina DOBREI, Influence of disease and pest control on the physiological, technological and economic indicators in grapevine
- Alin DOBREI, Florin SALA, Eleonora NISTOR, Florin BORCA, Dorin DUȘA, George Dragoș CONSTANTINESCU, Daniela DOBROMIR, Alina DOBREI, Influence of pruning on wood maturation, photosynthetic yield, profit and the quantity and quality of grape production
- Mihaela CORNEANU, Cornelia BUZATU-GOANȚĂ, Ioan SĂRAC, Irina PETRESCU, Screening the tolerance of Romanian and Sweeden willow hybrids to saline stress
- Petru Ioan DRAGOMIR, Maria Elizabeth DOBOȘ, Camelia TULCAN, Maria Mihaela MOATĂR, Dorin Dumitru CAMEN, Roberta TRIPON, Alexandra Iasmina DRAGOMIR, Carolina ȘTEFAN, Alexandru PANICI, Determination of the antioxidant activity of oyster mushrooms from U.P. VIII Răchita
- Călin BACIU, Carmen BEINȘAN, Mariana POIANĂ, Marinela COSTEA, Radu ȘUMĂLAN, Evaluation of the impact of natural infections with *Erwinia amylovora* in quince (*Cydonia oblonga*) on some quality characteristics of fruits
- Hunor VASS, Mihaela Maria MOATĂR, Petru Ioan DRAGOMIR, Carolina ȘTEFAN, Donatella ȘTEFAN, Forest ecological restoration works on degraded areas included in the Remetea Mică improvement area, Timis county
- Maria Mihaela MOATĂR, Petre Alexandru PANICI, Petru Ioan DRAGOMIR, Dorin Dumitru CAMEN, Giancarla VELICEVICI, Cristina Gabriela PANICI, Carolina Manuela ȘTEFAN, Studies regarding forest management in Production Unit VII Corbu
- Maria Mihaela MOATĂR, Petre Alexandru PANICI, Petru Ioan DRAGOMIR, Dorin Dumitru CAMEN, Adriana Elena CIULCA, Studies regarding forest management in Production Unit IV Prunișor
- Sándor RÓZSA, Tincuța Marta GOCAN, Claudiu Ioan BUNEA, Iunia GUDEA, Florian Dumitru BORA, Anca Cristina BABEȘ, Attila KESSERU, Anamaria CĂLUGĂR, Preliminary results for a new horticultural product obtained from two table grape varieties

- Mariana NICULESCU, Aurel Liviu OLARU, Ilie Silvestru NUȚĂ, Călin SĂLCEANU, Invasive capacity of false indigo-bush in the habitats of the confluence of the JIU river with the DANUBE area
- Francisca CORITAR, Ana Doris FLOARES, Radu Liviu ȘUMALAN, Renata Maria ȘUMALAN, Study on the performance of thyme and lavender essential oils incorporated in edible coatings for ensuring the antifungal protection of strawberries during the storage period
- Petru Ioan DRAGOMIR, Darius Samuel SÎRCA, Valentin UDREA, Adaptation of magnolias to the pedoclimatic conditions in the West of country
- Adriana CIULCA, Giancarla VELICEVICI, Mihaela MOATĂR, Camelia TULCAN, Dorin CAMEN, Sorin CIULCA, Evaluation of chlorophyll content as selection criteria for drought tolerance in wheat
- Ioan SĂRAC, Cerasela PETOLESCU, Sorina POPESCU, Michelle PALTINEAN, Daniela ARDELEAN, Irina PETRESCU, Emilian ONIȘAN, Analysis and impact of Cobalt, Manganese, and Cadmium on sunflower germination
- 14.00 Symposium closing

Online access

Faculty of Engineering and Applied Technology is inviting you to a scheduled Zoom meeting.

Topic: SYMPOSIUM "RESEARCH, INNOVATION AND TECHNOLOGY TRANSFER IN THE HORTICULTURE, FORESTRY AND BIOTECHNOLOGIES FIELDS"

Time: May 30-31, 2024

Join Zoom Meeting

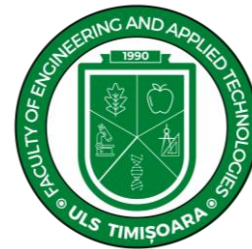
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Organising Committee:

**Prof. Dorin CAMEN, PhD
Prof. Monica BUTNARIU, PhD
Prof. Sorin CIULCA, PhD
Prof. Alin DOBREI, PhD
Prof. Ciprian FORA, PhD
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