

**BANAT'S UNIVERSITY OF AGRICULTURAL SCIENCES  
AND VETERINARY MEDICINE "KING MICHAEL I OF  
ROMANIA" FROM TIMIȘOARA ROMANIA**



**PROGRAM**  
**FACULTY OF HORTICULTURE  
AND FORESTRY**

**MULTIDISCIPLINARY CONFERENCE ON  
SUSTAINABLE DEVELOPMENT**



**Section "HORTICULTURE & FORESTRY"**  
**TIMISOARA, on-line event between 8<sup>th</sup>-9<sup>th</sup> October 2020**

**ORGANISING COMMITTEE  
COMITETUL DE ORGANIZARE**

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**Assist. PhD Cristina TOȚA - BUASVM Timisoara**

**PROGRAMME OF THE SYMPOSIUM  
PROGRAMUL SIMPOZIONULUI**

<b>Thursday – October 8<sup>th</sup> 2020 Joi – 8 octombrie 2020</b>	
<b>10<sup>00</sup> – 10<sup>10</sup></b>	<b>Opening Ceremony, on-line</b> <i>Deschiderea festivă, on-line</i>
<b>10<sup>10</sup> – 10<sup>30</sup></b>	<b>MOROSAN SERBAN</b> , Director UMS (unité mixte de service) (France), Associate Professor (USAMV Iasi, French National Institut of Health and Medical Research (INSERM), Sorbonne University, USAMV IASI - "Science, the media and communication"
<b>10<sup>30</sup> – 10<sup>50</sup></b>	<b>HUSWALD TIMOTHEE</b> , Honorary Consul General of Romania in Haiti, President of College Universitaire de Roumanie in Haiti, President of the Fund for Biodiversity in Haiti - "Sustaining the Natural Wonders of the Caribbean and the Communities who Depend on them"
<b>10<sup>50</sup> – 11<sup>10</sup></b>	<b>TODD RILEY CALLAWAY</b> , University of Georgia, Department of Animal and Dairy Science – "Probiotic approaches to modifying the microbial populations: how do you choose and why?"
<b>11<sup>10</sup> - 11<sup>30</sup></b>	<b>OZAN GUNDOGDU</b> , Department of Infection Biology, LSHTM: London School of Hygiene and Tropical Medicine, Department of Infection Biology – "Impact of industrial production system parameters on Chicken microbioms"
<b>Friday – October 9<sup>th</sup> 2020 Vineri – 9 octombrie 2020</b>	
<b>9<sup>00</sup> – 12<sup>00</sup></b>	<b>Poster presentation</b> <i>Prezentarea posterelor</i>
<b>12<sup>30</sup> – 14<sup>30</sup></b>	<b>Oral presentation (on-line event)</b> <i>Prezentarea orală (online)</i>

## Section “**HORTICULTURE & FORESTRY**”

**Thursday – October 8<sup>th</sup> 2020**  
**Joi – 8 octombrie 2020**

### **POSTER SESSION**

**Friday – October 9<sup>th</sup> 2020**  
**Vineri – 9 octombrie 2020**  
*on-line event*

**Moderators:**

**Prof. PhD Olimpia Alina IORDĂNESCU** – BUASVM Timisoara  
**Associate Prof. PhD Arh. Gabriel SZÉKELY** – BUASVM Timisoara

**Secretary:**

**Associate Prof. PhD Cristian BERAR** – BUASVM Timisoara

12<sup>30</sup>-12<sup>50</sup>

**Opening speech**

12<sup>50</sup>-13<sup>10</sup>

**Chayon GOSWAMI et al.**, *Department of Biochemistry and Molecular Biology, Bangladesh Agricultural University – EFFECT OF SPACING ON THE YIELD AND YIELD CONTRIBUTING CHARACTERS OF FOUR VARIETIES OF TRANSPLANTED AMAN RICE*

13<sup>10</sup>-13<sup>30</sup>

**Eleonora NISTOR, Georgeta Alina DOBREI, DOBREI A., CIORICA G.**, *Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara, University of Medicine and Pharmacy „Victor Babeș” Timișoara – INFLUENCE OF CROP LOADING ON BERRIES COMPOSITION IN CABERNET SAUVIGNON VARIETY*

13<sup>30</sup>-13<sup>50</sup>

**Emilian ONIȘAN, Dorica BOTĂU**, *Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara – DOWNY MILDEW SCREENING FOR RACE 730 AND 714 OF SUNFLOWER WILD SPECIES*

13<sup>50</sup>-14<sup>10</sup>

**Olimpiu Ovidiu CORNEA, Dorin CAMEN**, *Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara* – RESEARCH FOR THE USE OF OPEN-SOURCE SYSTEMS IN MONITORING THE MAIN ENVIRONMENTAL PARAMETERS INVOLVED IN PLANT GROWTH

14<sup>10</sup>-14<sup>30</sup>

**Gabriel SZÉKELY, Mara VIDA**, *Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara*, *U.A.U.I.M. Bucharest, Faculty of Urban Planning* – THE POTENTIAL ECOLOGIC DEVELOPMENT OF THE GREEN STRUCTURE OF ORADEA

## POSTER SESSION

- **BURDEA R. O., POP Nastasia, BABEȘ Anca Cristina, POP Tiberia Ioana, GOCAN Tincuța Marta, HEIZER, R. T., DOBREI A., HEIZER Mirela Gabriela** – *SYNTHESIS OF THE SENSORY ANALYSIS FOR THE CLASSIFICATION OF WINES WITH PROTECTED DESIGNATION OF ORIGIN (PDO) FROM DIFFERENT WINE AREAS OF ROMANIA*
- **Tălmăciu M., Andron G., Tălmăciu Nela, Herea Monica** – *RESEARCH ON EXISTING CARABIDS SPECIES IN ORCHARDS OF APPLE, IMPORTANT ECOLOGICAL INDICATORS IN AGROBIOCENOSIS*
- **Tălmăciu Nela, Andron G., Talmăciu M., Herea Monica** – *RESEARCH ON THE STRUCTURE, DYNAMICS, ABUNDANCE AND THE ROLE OF THE SPECIES OF COLLEOPTERS (INSECT CLASS, ORDINAL COLEOPTERA) EXISTING IN THE APPLE TREE PLANTATIONS*
- **Tălmăciu Nela, Tudorache V., Tălmăciu M., Herea Monica** – *RESEARCH ON THE COCCINELIDS SPECIES (ORD. COLEOPTERA, FAM. COCCINELIDAE) IN SOME HORTICULTURAL CROPS AS WELL AS THEIR IMPORTANCE IN MAINTAINING BIOCENOTIC BALANCE*
- **Hermeziu Manuela, Danci M., Hermeziu R.** – *EVALUATION OF DIFFERENT POTATO VARIETIES AND FUNGICIDE COMBINATIONS FOR POTATO LATE BLIGHT (*Phytophthora infestans*) CONTROL IN CENTRAL PART OF ROMANIA*
- **Baciu Anca, Mike Luiza, Tican Andreea, Cioloca Mihaela** - *RESULTS REGARDING THE BEHAVIOR OF NEW POPATO LINES CREATED UNDER THE EXPERIMENTAL CONDITIONS OF S.C.D.C. Targu Secuiesc*
- **Buciumeanu Elena-Cocuța, Vizitiu Diana Elena, Dincă L.** - *APPLYING THE ANALYTICAL HIERARCHICAL PROCESS TO IDENTIFY THE MOST IMPORTANT GRAPEVINE VARIETIES FROM CALAFAT WINEYARD*
- **Radomir Ana-Maria, Stan Ramona** – *MICROPROPAGATION OF *Thymus vulgaris* L., AN IMPORTANT MEDICINAL AND AROMATIC PLANT*
- **Boyka MALCHEVA, Milena YORDANOVA, Vera PETROVA, Pavlina NASKOVA, Dragomir PLAMENOV** – *MICROBIAL AND ENZYMATIC DEGRADATION OF CARBOHYDRATES IN A COMPARATIVE INVESTIGATION OF COMPOST VARIANTS*

- **Cioloa Mihaela, Baci Anca, Tican Andreea, Bărașcu Nina, Popa Monica** – *CHALLENGES AND SOLUTIONS WITHIN IN VITRO PROPAGATION OF SWEET POTATO (Ipomoea batatas L.)*
- **Chacrabati Rakhi, Chowdhury Rakhi, Goswami Chayon and Mohammad Al-Mamun** – *DENTIFICATION OF THE PHYTO – INFLUENCE OF MEDICINAL HERB PLANTAIN (Plantago lanceolata L.) ON BROILER PERFORMANCE AND PLASMA METABOLITES*
- **DINCĂ Lucian, TIMIȘ-GÂNSAC Voichița** – *OLEASTER (ELEAGNUS ANGUSTIFOLIA L.) – A CONSTITUENT ELEMENT OF THE BIODIVERSITY FROM DOBROGEA PLATEAU*
- **DINCĂ L., BRATU I.** – *CONTIRIBUTIONS TO THE CHARACTERISATION OF FOREST SOILS FROM CALARASI COUNTY*
- **Paraschiv Mihaela, Hoza D., Nicola Claudia, Florea Alina, Butac Mădălina, Chivu M.** – *EVALUATION OF THE BIOCHEMICAL CONTENT OF FRUITS ON SOME PLUM GENOTYPES*
- **Borozan Aurica Breica, Popescu Sorina, Raba Diana, Popa Mirela, Belu-Borozan Robert, Molnar Levente Stefan, Madosa Emilian** – *MICROBIOLOGICAL ANALYSIS FOR SOME PREMIXES CONTAINING RED BLUEBERRIES*
- **Borozan Aurica Breica, Popescu Sorina, Moldovan Camelia, Dumbrava Delia, Trofim Alina, Madosa Emilian** – *COMPARATIVE ASSESSMENT OF ANTIBACTERIAL ACTIVITY OF CULTIVATED (Mentha spicata var. viridis) AND WILD (Mentha smithiana) MINT SPECIES*
- **Cosmulescu Sina Niculina, Merca (Laies) Maria Marina** – *RESEARCH ON THE PRODUCTION OF BLUEBERRY CULTIVARS OVER THE 2ND YEAR OF CROP IN THE LOWER HILLY AREA OF BANAT REGION, ROMANIA*
- **Cosmulescu Sina Niculina, Buican Stanciu Antonela** – *DECORATION PERIOD OF FLOWER SPECIES IN URBAN ENVIRONMENTAL CONDITIONS*
- **Madoșă E., Sotiropoulos I., Ciulca S., Danci M., Velicevici Giancarla, Sasu Lavinia, Ciula Adriana** – *STUDIES CONCERNING THE OF SOOTS CAPACITY "in vitro" CULTURES AT THE BLACK PINE (Pinus nigra Arn.)*
- **Madoșă E., Veicevici Giancarla, Ciulca S., Avădanei C., Ciulca Adriana, Sărac I., Sasu Lavinia** – *STUDIES ON THE VARIABILITY OF SOME MORPHOLOGICAL CHARACTERS IN THE "de Vinga" ONIONS LANDRACE*

- **Madjar Roxana Maria, Scaeteanu Vasile Gina, Ion Violeta Alexandra, Mot A. – NITROGEN ISOTOPIC SIGNATURE – A VALUABLE MARKER FOR ORGANIC PRODUCTION**
- **BĂLA Maria, IORDĂNESCU Olimpia, BECHERESCU Alexandra, TOȚA Cristina, SALA Florin – GENERATIVE PROPAGATION IN *Mammillaria* IN RELATION TO THE GROWTH MEDIA**
- **CÂNDEA-CRĂCIUN Vlad-Catalin, CAMEN Dorin, SALA Florin – FRACTAL ANALYSIS FOR THE CHARACTERIZATION OF SOME ENERGY POPLAR CLONES**
- **Farkas Alexandra, Botau Dorica – *The influence of phytohormones on indirect regeneration of goji (Lycium barbarum L.)***
- **Dobrei Alin, Nistor Eleonora, Nan Roxana-Daniela, Dobrei Alina – *The influence of manual and mechanical pruning on grape quantity and quality and the efficiency of vineyards management***
- **Dobrei Alin, Nistor Eleonora, Constantinescu Dragos, Dobromir Daniela, Dobrei Alina – *Improving vineyards management efficiency by using mechanical pruning***
- **Nistor Eleonora, Dobrei Alina Georgeta, Dobrei A., Ciorica G. – *Table grape macronutrients nutrition***
- **Alda Liana Maria, Alda S., Bordean Despina Maria, Moatar Mihaela, Ghilici C., Cristea T., Sirbulescu Claudia – *The effect of thermal processing on the antioxidant properties of *Beta vulgaris* and *Raphanus sativus****
- **Alda Liana Maria, Bordean Despina Maria, Moigradean Diana, Cristea T., Danci M., Susman Dragos, Alda S. – *The effect of thermal processing on the antioxidant properties of cabbage***
- **Alda S., Moigradean Diana, Scedei Daniela, Manea D., Danci M., Sandru Marioara, Alda Liana Maria – *Cherries as a source of iron, copper and zinc***
- **Alda S., Scedei Daniela, Rada Maria, Manea D., Moatar Mihaela, Sandru Marioara, Bordean Despina Maria – *Cherries as a source of macroelements***
- **Cretescu Iuliana, Chipei D., Velicevici Giancarla – *Determination of Sun Protection Factor (SPF) Number of Some Herbal Extracts***
- **Dobrei Alina, Nistor Eleonora, Mălăescu Mihaela, Drăgunescu Anca, Dobrei A. – *Training and canopy management influence on grape yield and quality***



- **Velicevici Giancarla, Madosa E., Ciulca Sorin, Ciulca Adriana., Camen Dorin, Crețescu Iuliana** – *Effects of salinity stress on some physiological parameters in pepper (*Capsicum annum* L.) cultivars*
- **Scedei Daniela Nicoleta, Iordănescu Olimpia Alina, Duma (Copcea) Anisoara, Beinsan Carmen, Alda S., Alda Liana Maria, Moatar Maria Mihaela, Blidariu Daciana Tiberia, Stoianov Z.** – *BEHAVIOR OF WALNUT BIOTYPES (*JUGLANS REGIA* L.), FROM CENEI, TIMIȘ COUNTY*
- **Scedei Daniela Nicoleta, Iordănescu Olimpia Alina, Duma (Copcea) Anisoara, Alda S., Alda Liana Maria, Moatar Maria Mihaela, Beinsan Carmen, Marcovici A.** – *BEHAVIOUR OF OLD APPLE TREE VARIETIES (*MALUS DOMESTICA* BORKH) FROM TIMIS COUNTY*
- **ZANFIR Valeriu, Aurelian Adrian BACIU** – *BEHAVIOUR IN GRAFTING OF "TULEU GRAS" PLUM CULTIVAR GRAFTED ON GENERATIVE ROOTSTOCKS WITH INTERMEDIATE*
- **Tăran Mădălina Elena, Camen D.** – *The influence of the concentration of hormones in the culture medium on the obtaining of the callus in the species *Echinacea purpurea* Moench*
- **Bădulescu Adriana, Sumedrea D., Florea Alina** – *Evaluation of the quantitative and qualitative indicators of some cultivars for table grapes grown in the Stefanesti Wine Center*
- **Ciulca Adriana, Madoșă E., Giancarla Velicevici, Sărac I., Ciulca S.** – *Evaluation of some barley varieties concerning seed germination under different drought stress*
- **Ciulca Adriana, Madoșă E., Giancarla Velicevici, Sorina Popescu, Sărac I., Ciulca S.** – *Diallel analysis of chlorophyll content in winter wheat*