

Multidisciplinary Conference on Sustainable Development
Section: Horticulture and Forestry



BUASVM – Timisoara

**Multidisciplinary Conference on Sustainable
Development**

20-21 May 2021



Scientific Programme

**MULTIDISCIPLINARY CONFERENCE ON
SUSTAINABLE DEVELOPMENT**



FACULTY OF HORTICULTURE AND FORESTRY



Section “HORTICULTURE AND FORESTRY”

TIMISOARA, on-line event between 20th – 21th May 2021

Multidisciplinary Conference on Sustainable Development
Section: Horticulture and Forestry

ORGANISING COMMITTEE

Prof. PhD Dorin CAMEN

- *Dean of Faculty of Horticulture and Forestry, BUASVM Timisoara*

Associate Prof. PhD Mihaela MOATĂR

- *Vice Dean Faculty of Horticulture and Forestry, BUASVM Timisoara*

Associate Prof. PhD Gheorghe POȘTA

- *Vice Dean Faculty of Horticulture and Forestry, BUASVM Timisoara*

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Associate Prof. PhD Aurica BOROZAN - BUASVM Timisoara

Associate Prof. PhD Alexandra BECHERESCU - BUASVM Timisoara

Lecturer PhD Cerasela PETOLESCU - BUASVM Timisoara

Lecturer PhD Giancarla VELICEVICI - BUASVM Timisoara

Assist. PhD Cristina TOȚA - BUASVM Timisoara

Multidisciplinary Conference on Sustainable Development
Section: Horticulture and Forestry

USAMVBT is inviting you to a scheduled Zoom meeting.

Topic: Journal of Horticulture, Forestry and Biotechnology
Time: May 21, 2021 11:00 AM Bucharest

Join Zoom Meeting

<https://us02web.zoom.us/j/86575714434>

Meeting ID: 865 7571 4434

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Scientific Programme

1st Day – 20th of May, 2021 (Thursday)

*„Iulian Drăcea” Auditorium
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara*

- 10⁰⁰ – 10¹⁰ Welcome speech – **Prof. Dr. Cosmin Popescu, Rector BUASVMT**
- 10¹⁰ – 10¹⁵ Conference opening - **Prof. Dr. Isidora Radulov, Vice- rector BUASVMT**
- 10¹⁵ – 10³⁰ **Dr. Michael Rupp**, Head of Sector Connectivity and Green Deal, DG NEAR Eastern Partnership, European Commission, *“European Green Deal”*
- 10³⁰ – 10⁴⁵ **Prof. Dr. habil. Sharon Huws**, Queen's University Belfast, United Kingdom; The Institute for Global Food Security „*Ecological interactions within the rumen microbiome shape the ruminant phenotype*”
- 10⁴⁵ – 11⁰⁰ **Dr. Mariam Birma**, Ahmadu Bello University, Zaria - Nigeria, *“An Overview of Agriculture in Nigeria”*
- 12⁰⁰ – 18⁰⁰ Paper presentation on sections



Scientific Programme

2st Day – 21th of May, 2021 (Friday)

*”Iulian Drăcea” Auditorium
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara*

Scientific event "30 years of education and research in genetic engineering in Timisoara"

- 11⁰⁰ – 11¹⁰ Opening of the Conference (Section: *Horticulture and Forestry*)
Prof. PhD Dorin Camen, *Dean of the Faculty of Horticulture and Forestry*

Chaired by: Prof. PhD Sorina Popescu
- 11¹⁰ – 11²⁰ Effect of silver nitrate on in vitro culture of ornamental Gesneriaceae species
Hârța Monica, Doina Clapa, Rodica Pop, Doru Pamfil - *University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Life Sciences Institute, Research Center for Biotechnology in Agriculture affiliated to Romanian Academy, 3-5 Mănăștur Street, Cluj-Napoca, Romania*
- 11²⁰ – 11³⁰ Genetic analysis of relative water content in half diallel crosses of winter wheat
Ciulca Sorin, Madoșă Emilian, Giancarla Velicevici, Sorina Popescu, Sărac Ioan, Mircov Vlad, Adriana Ciulca - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- 11³⁰ – 11⁴⁰ Which is the potential contribution of non-wood forest products from Giurgiu County, Romania?
Tudor Ciprian, Constandache C., Dinca L. - *National Institute for Research and Development for Forestry “Marin Drăcea”, Brașov Research Station, Cloșca Street, no. 13, Brașov, Romania*
- 11⁴⁰ – 11⁵⁰ The plant pathogen identification based on gene sequencing method (barcoding)
Popescu Sorina, Borozan Aurica Breica, Ciulca Adriana, Ihos Salvina, Madoșă Emilian - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- 11⁵⁰ – 12⁰⁰ The influence of the maturity phases on some quality indicators of the tomato fruits (*Lycopersicon esculentum* Mill.), in the case of the solar cultivation system
Rózsa Sandor¹, Măniuțiu D.N.¹, Lazăr V.¹, Gocan Tincuța Marta^{1*}, Andreica Ileana¹, Egyed Emese¹, Poșta Gh. - ¹*University of Agricultural Science and Veterinary Medicine Cluj-Napoca, Calea Mănăștur, no. 3-5, Cluj-Napoca, Romania*
²*Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*

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Section: Horticulture and Forestry

- 12⁰⁰ – 12¹⁰ Research methods of forest ecosystems components damages through logging
Cântar Ilie Cosmin¹, Dincă L. C.² - ¹*National Institute for Research and Development for Forestry “Marin Drăcea”, Timișoara Research Station, Pădurea Verde Alley, no. 8, Timișoara, Romania*
²*National Institute for Research and Development for Forestry “Marin Drăcea”, Brașov Research Station, Cloșca Street, no. 13, Brașov, Romania*
- 12¹⁰ – 12²⁰ General considerations regarding the use of UV-Vis-NIR multispectral sensors to monitor plant health in the field
Cornea Olimpiu Ovidiu, Camen D., Poșta Gh. - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- 12²⁰ – 12³⁰ The influence of the leaf area and crop load on Pinot Noir grape quality
Nistor Eleonora, Dobrei Alina Georgeta, Tîrziu E., Ciorica G., Dobrei A. - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- 12³⁰ – 12⁴⁰ Spruce bark beetles in forest stands of Poiana Rusca Mountains, Romania
Madas D., Jurchescu D., Nasta A., **Fora Ciprian George** - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- 12⁴⁰ – 12⁵⁰ Concluding Remarks

POSTERS

- The effectiveness of agrotechnical methods on weeds control in a vineyard
Alda S.¹, Cristea T.¹, Mitric Dorina Gabriela², Moatăr Mihaela¹, Scedei Daniela¹, Drăgunescu Anca¹, **Alda Liana Maria**² - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara*, ¹*Faculty of Horticulture and Forestry*, ²*Faculty of Food Engineering, 119 Aradului Street, Timișoara, Romania*
- Antioxidant and antimicrobial activity of electrolyzed water
Borozan Aurica Breica¹, **Popescu Sorina**¹, Gergen Iosif², Moldovan Camelia², Popa Mirela², Raba Diana², Dumbrava Delia² - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara*, ¹*Faculty of Horticulture and Forestry*, ²*Faculty of Food Engineering, 119 Aradului Street, Timișoara, Romania*
- Screening of willow for saline stress in a hydroponic experiment
Buzatu-Goanță (nee Hernea) Cornelia¹, **Cornenau Mihaela**¹, Babeanu Cristina², Dodociuiu Ana Maria³ - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
²*University of Craiova, Faculty of Chemistry*
³*University of Craiova, Faculty of Agronomy*
- Analysing the importance of main game species from Dambovită county using hierarchy-analytic process
Cântar I. C.¹, Dincă Maria² - ¹*National Institute for Research and Development for Forestry "Marin Drăcea", Timișoara Research Station, Pădurea Verde Alley, no. 8, Timișoara, Romania*
²*National Institute for Research and Development for Forestry "Marin Drăcea", Brașov Research Station, Cloșca Street, no. 13, Brașov, Romania*
- Study concerning the influence of two techniques of maceration-fermentation on the physico-chemical and sensory characteristics of red wines
Cerbu Maria Iulia, Cotea V.V., Lucia Cintia Colibaba, Niculaua M., Ioana Călin, Niță R.-G., Zamfir C.I., **Sandu-Ville Tudose Șt.** - *University of Agricultural Sciences and Veterinary Medicine "Ion Ionescu de la Brad" Iasi, 700489, Romania*
- Research concerning organic white wines production in a winery from Timis County
Dobrei Alina Georgeta, Nistor Eleonora, Cirt Stelian, Malaescu Mihaela, Dragunescu Anca, **Dobrei Alin Ionel** - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- Evaluation of grape yield and quality of some red wines varieties from Minis-Maderat Vineyard
Dobrei Alina Georgeta, Nistor Eleonora, Dobromir Daniela, Petcov Dragomir Zlatomir, **Dobrei Alin Ionel** - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*

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Section: Horticulture and Forestry

- Efficiency of summer pruning by using the mechanical pruning and trimming in several wine grape varieties
Dobrei Alin Ionel, Nistor Eleonora, Dobromir Daniela, **Dobrei Alina Georgeta** - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- Research on honeybee pollination influence in increasing the fruit set rate and improving yield components in several grapevine varieties
Dobrei Alin Ionel, Nan Alexandru, Nistor Eleonora, **Dobrei Alina Georgeta** - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- The influence of the concentration of hormones in the culture medium on the obtaining of the callus in the species *Salvia officinalis*
Dumitrașcu (Țăran) Mădălina Elena, **Camen D.** - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Calea Aradului no. 119, Timisoara, Romania*
- Research regarding the influence of different NaCl concentrations on the germination of *Echinacea purpurea* seeds
Dumitrașcu (Țăran) Mădălina Elena, **Camen D.** - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Calea Aradului no. 119, Timisoara, Romania*
- Influence of plant compost extract on the shelf life of cut carnation flowers (*Dianthus caryophyllus* L.)
Gocan Tincuța-Marta¹, Andreica Ileana¹, Poșta Daniela-Sabina², Lazăr Vasile¹, **Rózsa Sándor**¹ - ¹*University of Agricultural Science and Veterinary Medicine Cluj-Napoca, Calea Mănăștur, no. 3-5, Cluj-Napoca, Romania*
²*Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- The new red skin potato variety 'Foresta'
Hermeziu R., **Hermeziu Manuela**, Bărăscu Nina - *National Institute of Research and Development for Potato and Sugar Beet Brasov, Romania*
- Comparison of three lysis methods to obtain high quality genomic DNA from tomato leaf tissue
Iordăchescu Mihaela¹, **Anca Amalia Udriște**², Liliana Bădulescu³ - ¹*University of Agronomic Sciences and Veterinary Medicine, Bucharest (USAMVB), Research Center for Studies of Food Quality and Agricultural Products, Laboratory of Plant Molecular Biology*
²*University of Agronomic Sciences and Veterinary Medicine, Bucharest (USAMVB), Research Center for Studies of Food Quality and Agricultural Products, Laboratory of Plant Molecular Physiology*
³*University of Agronomic Sciences and Veterinary Medicine, Bucharest (USAMVB), Faculty of Horticulture, Department of Horticultural Systems Bioengineering*
- Studies on seed germination of black pine (*Pinus nigra*)
Madoșă E., Sotiropoulos I., Ciulca S., Danci M., Ciulca Adriana, Sasu Lavinia, Velicevici Giancarla - *Banat's University of Agricultural Sciences and Veterinary Medicine "King*

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- The influence of different soil management and fertilization methods on the grapevine production costs and profitability
Nan Roxana Daniela, Dobrei Alina Georgeta, Nistor Eleonora, Nan Alexandru, **Dobrei Alin Ionel** - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- The impact of soil management systems on the grape quality and production in five wine grape varieties during different growing seasons
Nan Roxana Daniela, Dobrei Alina Georgeta, Nistor Eleonora, Borca Florin, Nan Alexandru, **Dobrei Alin Ionel** - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- Traminer berry composition influenced by harvesting at different stage of ripening
Nistor Eleonora, Dobrei A., Tirziu E., Ciorica G., Dobrei Alina Georgeta - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- Primula officinalis results regarding plant organs and the influence of planting distance
Nițu Sorina, Hermeziu Manuela - *National Institute of Research and Development for Potato and Sugar Beet Brasov, Romania*
- Assessment of the qualitative potential of the clonal selection obtained at I.N.C.D.B.H. Ștefănești
Onache Petronela Anca, Sumedrea D. I., Florea Alina, Tănase A., Marin V. - *National Research and Development Institute for Biotechnologies in Horticulture Ștefănești, Argeș, Romania*
- Aspects regarding *CERASTIUM* GENUS present in „ALEXANDRU BELDIE” HERBARIUM
Pleșca B.I., **Pleșca Ioana-Maria**, Dincă Maria - *National Institute for Research and Development in Forestry “Marin Drăcea”, Voluntari, 077190, Romania*
- The characterization of forests from the Curvature Sub-Carpathians located around special attractions
Pleșca B.I., **Pleșca Ioana-Maria**, Timofte I., Dincă L. C. - *National Institute for Research and Development in Forestry “Marin Drăcea”, Voluntari, 077190, Romania*
- Influence of carbon source on the development of *Cordyceps militaris* (L.) mushroom mycelium
Rózsa Melinda, **Măniuțiu Dănuț-Nicolae**, Apahidean Alexandru Ioan, Egyed Emese - *University of Agricultural Sciences and Veterinary Medicine, Faculty of Horticulture 3-5 Mănăștur St., 400372, Cluj-Napoca, Romania*
- Agrotechnical measures – important technological links to the culture of the culture of the apple
Scedei Daniela Nicoleta, Iordănescu Olimpia Alina, Duma (Copcea) Anișoara Claudia, Băla Maria, Beișan Carmen, Cîrciu Lenuța Gheorghina, Alda S., Alda Liana Maria, Mucuța C. - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King*

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- The social role of green spaces in Timisoara
Szekely Gabriel, Berar Cristian - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- Study on minimizing the fungal spoilage index of strawberry fruits during storage with preservation of the organoleptic and curative properties
Șumălan Renata Maria, Carmen Beinșan, Șumălan Radu Liviu, Ciulca Sorin, Sorina Popescu - *Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*
- Taxa belonging to the Chenopodium Genus preserved in the ”Alexandru Beldie” Herbarium
Tudor C., Constandache C., Dinca Maria - *“Marin Drăcea” National Institute for Research and Development in Forestry Brasov, Romania*
- Genetic diversity of some apple genotypes from west part of Romania based on ISSR markers
Velicevici Giancarla, **Madoșă E.**, Adriana Ciulca, Ciulca S., Camen D., Mihaela Mălăescu, Beinșan Carmen - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Calea Aradului no. 119, 300645 Timisoara, Romania*

