

Scientific Programme

**8th INTERNATIONAL SYMPOSIUM "YOUNG
RESEARCHERS IN HORTICULTURE,
FORESTRY AND BIOTECHNOLOGIES"**

FACULTY OF HORTICULTURE AND FORESTRY



TIMISOARA, on-line event November 25, 2021

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

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Assist. PhD Cristina TOȚA - BUASVM Timisoara

BANAT UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE
"KING MICHAEL I OF ROMANIA" FROM TIMISOARA
"YOUNGPEOPLE AND MULTIDISCIPLINARY RESEARCH IN APPLIED LIFE SCIENCES"

BUASVMT is inviting you to a scheduled Zoom meeting.

Topic: Conferința Științifică Internațională
"TINERII SI CERCETAREA ȘTIINȚIFICĂ ÎN DOMENIUL ȘTIINȚELOR VIETII"
dedicată studenților, masteranzilor, doctoranzilor și tinerilor cercetători.
Time: Nov 25, 2021 09:30 AM Bucharest

Join Zoom Meeting

<https://us02web.zoom.us/j/87343611117?pwd=Z3FqUGYyMTNTcEFHbWVOYzkvOFhlUT09>

Meeting ID: 873 4361 1117

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Scientific Programme

November 25, 2021 (Thursday)

*"Iulian Drăcea" Auditorium Banat University of
Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from
Timișoara*

- 10⁰⁰ – 10¹⁵ Welcome speech – **Prof. Dr. Cosmin Popescu, Rector BUASVMT**
Conference opening - **Prof. Dr. Isidora Radulov, Vice- rector BUASVMT**
- 10¹⁵ – 10⁴⁰ **Cristian Apa**, Solutions Business Manager, SAS CEMEA, Romania, Programul academic al
SAS Romania – **Alina Luchian**, *"Utilizarea inteligenței artificiale în agricultură"*
- 10⁵⁵ – 11¹⁰ **Daniela Trifan, George Toader, Cătălin-Ionuț Enea, Alin-Ionel Ghiorghe, Emanuela
Lungu, Leonard Ilie**, University of Agronomic Sciences and Veterinary Medicine of
Bucharest *"Zero chemical" agriculture*
- Scientific papers in the program (section)
- 11⁴⁵ – 12¹⁰ **Olimpiu Ovidiu Cornea, Dorin Camen**, Banat University of Agricultural Sciences and
Veterinary Medicine "King Michael I of Romania" from Timisoara *"The use of satellite
images in agriculture, forestry and horticulture. Reflective indices"*
- 11⁴⁵ – 12¹⁰ **Timea Kleszken¹, Daniela Sabina Poșta²**, ¹ University of Oradea - Faculty of Informatics
and Science, Biology department;
² Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of
Romania" from Timisoara *"Tomographic Analysis of Magnolia x soulangiana Soul. Bod. from
the Historical Garden of the Baroque Palace in Oradea, Romania"*

POSTERS

TRACKING THE INFLUENCE OF LITHOLOGY ON THE TYPES OF VEGETATION BY REMOTE SENSING AND GIS

Bodea Diana¹, Panici A.¹, Ciolac Livia³, Panici Cristina¹, Udrescu Adelina¹, Ciolac Valeria², Moatăr Mihaela¹, Mihut Casiana² - *Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, 119 Aradului Street, Timișoara, Romania*

¹*Faculty of Horticulture and Forestry,*

²*Faculty of Agriculture,*

³*"Victor Babes" University of Medicine and Pharmacy, 300041, Timisoara, Romania*

REGARDING THE VITICULTURE ACTIVITY IN SATU MARE COUNTY

Bogdan R., Dobrei A., Nistor Eleonora, Dobrei Alina, Mălăescu Mihaela - *Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania*

NATIONAL RURAL DEVELOPMENT PROGRAMMES DURING THE TRANSITION PERIOD. FINANCING THE FRUIT-GROWING SECTOR (2021-2022)

Ciobanu (Banța) A. - *University of Craiova, Faculty of Horticulture, Doctoral School of Plant and Animal Resources Engineering, 13 A.I. Cuza Street, 200585, Craiova, Romania*

IMPACT OF THERMAL PROCESSING ON THE BIOACTIVE COMPOUNDS AND ANTIOXIDANT CAPACITY OF Jerusalem artichoke (*Helianthus tuberosus* L) (Asteraceae): UNDERGROUND PARTS (TUBERS)

Fatima Zohra Sarsar¹, Fatima Zohra El Kadi^{1*}, Khedoudja Kanoun¹, Soumia Reguig, Imane Khodja, Karima Ould Yerou³, Mohammed Benali¹ - ¹*Biotoxicology Laboratory, Department of Biology, Faculty of Natural Sciences and Life, University of Djilali Liabes, Sidi Bel Abbes 22000, Algeria*

²*Laboratory of Molecular Microbiology Health and Proteomics, Biology Department, Faculty of Natural Sciences and Life, Djillali Liabes University of Sidi-Bel-Abbes, BP No. 89 Sidi-Bel-Abbes 22000 Algeria*

³ *Laboratory of Bioconversion, Microbiological Engineering and Safety, University of Mascara 29000, Algeria*

PLANT SPECIES FROM 'Al. Beldie' HERBARIUM – Betula genre

Hapa M. Dincă L. - *"Marin Drăcea" National Institute for Research and Development in Forestry (INCDS), Bulevardul Eroilor 128, Voluntari 077190, icas@icas.ro, București, România*

ESTIMATING THE DIAMETER AT BREAST HEIGHT BASED ON THE STUMP DIAMETER. CASE STUDY FOR NORWAY SPRUCE FROM GHEORGHENI FOREST DISTRICT

Horvath A.¹, Popa A.² - ¹*Forest District Gheorgheni, Kossuth Lajos 36, Gheorgheni, Romania;* ²*"Marin Drăcea" National Institute for Research and Development in Forestry, Calea Bucovinei 73 bis 725100, Câmpulung Moldovenesc, Suceava, Romania*

MOLECULAR IDENTIFICATION OF ACTINOMYCETES ISOLATED FROM SOIL

Huiban F., Borozan Aurica, Popescu Sorina - *Banat 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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TOMOGRAPHIC ANALYSIS OF *Magnolia kobus* D.C. SPECIES FROM THE HISTORICAL GARDEN OF THE BAROQUE PALACE IN ORADEA, ROMANIA

Kleszken Timea¹, Poșta Daniela Sabina² - ¹University of Oradea - Faculty of Informatics and Science - Biology department, **Master degree - Biodiversity and ecosystem monitorization**; ²Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania

GENETIC ANALYSIS OF LEAF DEHYDRATION CAPACITY IN BARLEY

Lupulescu Carmen, Velicevici Giancarla, Madoșă E., Ciulca Adriana, Ciulca S. - Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania

VARIATION OF HECTOLITRE WEIGHT IN WHEAT IN RELATION TO MINERAL AND FOLIAR FERTILIZATION

Gabriela MACRA, Florin SALA - Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Soil Science and Plant Nutrition, Timisoara, 300645, Romania

RESEARCH ON THE INFLUENCE OF VIROTIC DEGENERATION ON POTATO YIELD

Mike Eduard - University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Marasti Blvd, District 1, 011464, Bucharest, Romania

RESEARCH ON THE CHARACTERISTICS OF EDIBLE CHESTNUT TREES (SATIVA CHESNUT) FROM UP. II BISTRIȚA, BRÂNCUȘI FORESTRY DISTRICT

Panici A., Adelina Udrescu, Cristina Roșca, Cristina Panici, Udrescu C., Camen D., Mihaela Moatăr, Dragomir P. - Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania

CONTRIBUTIONS TO THE PRESENTATION OF THE APUSENI NATURAL PARK THROUGH MODERN METHODS

Panici A.¹, Bodea Diana¹, Ciolac Livia³, Panici Cristina¹, Ciolac Valeria², Mihuț Casiana², Mircov V.² - Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, 119 Aradului Street, Timișoara, Romania

¹Faculty of Horticulture and Forestry,

²Faculty of Agriculture

³"Victor Babes" University of Medicine and Pharmacy, 300041, Timisoara, Romania

RESEARCH ON THE USE OF TECHNOLOGICAL SLUDGE FROM SUGAR FACTORIES AS AN AMENDMENT TO CORRECT THE pH OF ACID SOILS

Petre Diana, Gherman I., Nina Bărbăscu - National Institute of Research and Development for Potato and Sugar Beet Brașov, 2 Fundăturii St., 500470 Brașov, Romania

STUDIES ON THE VARIABILITY OF BUNCHES IN LOCAL VINE GENOTYPES

Stancioiu-Balaci Laura, Madoșă E., Velicevici Giancarla, Ciulca Adriana, Ciulca S. - Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Horticulture and Forestry, 119 Aradului Street, Timișoara, Romania