



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



## The **FACULTY OF AGRICULTURE**

*in collaboration with*  
**HUNGARIAN UNIVERSITY OF AGRICULTURE AND LIFE  
SCIENCES UNIVERSITY OF NOVI SAD, STATE AGRARIAN  
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UNIVERSITY OF OSIJEK, SCDA LOVRIN, ROMANIAN  
ACADEMY OF AGRICULTURAL AND FORESTRY SCIENCES**



Josip Juraj Strossmayer  
University of Osijek

**Faculty of  
Agrobiotechnical  
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**INTERNATIONAL CONFERENCE  
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RESEARCH – 17<sup>TH</sup> EDITION**

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**TIMIȘOARA  
November 25<sup>th</sup>, 2021**

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**Lecturer PhD Olga Rada** - USAMVB Timisoara

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## PROGRAMME OF THE CONFERENCE

### PROGRAMUL CONFERINȚEI

<https://us02web.zoom.us/j/87343611117?pwd=Z3FqUGYyMTNTcEFHbWVOYzkvOFhIU09>

**JOI – November, 25<sup>th</sup> 2021**

THURSDAY – 25 noiembrie 2021

<b>9<sup>30</sup> – 10<sup>00</sup></b>	<b>Participant admission</b> Join Zoom Meeting Meeting ID: 873 4361 1117 Passcode: 036481
<b>10<sup>00</sup> - 10<sup>05</sup></b>	<b>Conference opening</b>
<b>10<sup>05</sup> – 10<sup>10</sup></b>	Opening speach – BUASVM`s Vice rector for research and innovation, <b>Prof. dr. Isidora Radulov</b>
<b>10<sup>15</sup> – 10<sup>40</sup></b>	<i>Utilizarea inteligenței artificiale în agricultură</i> - <b>Cristian Apa</b> , Solutions Business Manager, SAS CEMEA, Romania
<b>10<sup>55</sup> – 11<sup>10</sup></b>	<i>"Zero chemical" agriculture</i> - <b>Daniela Trifan, George Toader, Cătălin-Ionuț Enea, Alin-Ionel Ghiorghe, Emanuela Lungu, Leonard Ilie</b> , Brăila Agricultural Research-Development Station, Suceava Agricultural Research-Development Station University of Agronomic Sciences and Veterinary Medicine of Bucharest
<b>11<sup>10</sup> – 11<sup>25</sup></b>	<i>Use of post cervical insemination in swine: economic aspects</i> - <b>Robert Florian Vlad, Cristian Beg, Alina Maria Dodu, Iasmina Loredana Indri, Ioana Dana Pandur</b> , Banats' University of Agricultural Sciences and Veterinary Medicine "King Michael the I st of Romania" from Timisoara", Faculty of Bioengineering and Animal Resources
<b>11<sup>25</sup> – 11<sup>40</sup></b>	<i>Organoleptic characterization of desserts obtained from tapioca pearls</i> - <b>Alice Vasiloni, Zlatan Milosevic, Ana-Maria Crețu, Daniel Platon, Corina Mișcă, Delia Dumbravă, Camelia Moldovan</b> - "Victor Babeș" University of Medicine and Pharmacy from Timișoara,

	Faculty of Pharmacy
11 <sup>40</sup> – 11 <sup>55</sup>	<i>The use of satellite images in agriculture, forestry and horticulture. Reflective indices - <b>Olimpiu Ovidiu Cornea, Dorin Camen</b>, Banat University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Faculty of Horticulture and Forestry</i>
11 <sup>55</sup> – 12 <sup>10</sup>	<i>Konya - tourist destination and component of tourism products offered by Turkish travel agencies - <b>Ayşe Gözeller, Burak Altiparmak, Cosmina-Simona Toader</b>, Erciyes University, Faculty of Tourism, Kayseri, Turkey</i>
12 <sup>10</sup> – 12 <sup>25</sup>	<i>Biochemical composition of Melia azedarach berries from the eastern mediterranean (Hatay, Turkey) region and evaluate in terms of Veterinary Toxicology - <b>M. Yipel, Aysun Ilhan, Fulya Altinok-Yipel, Musa Türkmen</b>, Hatay Mustafa Kemal University, Faculty of Veterinary Medicine</i>
12 <sup>25</sup> – 12 <sup>40</sup>	<i>Current state and prospects for the development of renewable energy in Russia - <b>Daniil Raspopin, Irina Minakova, Lucrețiu Dancea</b>, Southwest State University, Kursk, Russia, Banat's University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara</i>
12 <sup>40</sup> – 12 <sup>55</sup>	<i>Study on the vector role for Calicophoron Daubneyi of some aquatic snails from Western Romania - <b>Cătălin Bogdan Sîrbu, Ioan Peț, Claudia Alexandrina Goina, Miruna Magda Morariu, Beatrice Ana-Maria Sîrbu, Florica Morariu</b>, Banat's University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timișoara</i>
12 <sup>55</sup> – 13 <sup>10</sup>	<i>Recent researches for coenzyme Q10 from food matrices. Supplementation in aging and diseases– Andersina - <b>S. Podar, Cristina - A. Semeniuc, Maria - I. Socaciu, Melinda Fogarasi, Anca - C. Fărcaș, Sonia - A. Socaci</b>, University of Agricultural Sciences and Veterinary Medicine from Cluj-Napoca</i>

13 <sup>10</sup> – 13 <sup>25</sup>	<i>Tomographic Analysis of Magnolia x soulangiana</i> Soul. Bod. from the Historical Garden of the Baroque Palace in Oradea, Romania - <b>Timea Kleszken, Daniela Sabina Poșta</b> , University of Oradea - Faculty of Informatics and Science, Biology department
13 <sup>25</sup> – 13 <sup>40</sup>	<i>Consumers' opinions on bovine milk, especially on raw milk sold directly</i> - <b>Dzsenifer Mária Ruzsa, Karoly Bodnar</b> , Hungarian University of Agriculture and Life Sciences
13 <sup>40</sup> – 13 <sup>55</sup>	<i>Morphology of the skull in badger (Meles meles)</i> - <b>I. Crăciun, Ana-Maria Marin, C. Hulea, Crina Moșneang, M. Pentea</b> , Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Veterinary Medicine
13 <sup>55</sup> – 14 <sup>10</sup>	<i>Possibility of using grape pomace as an antifungal and antimycotxigenic agent in wheat for food consumption</i> - <b>Voichița Bota, Renata Maria Sumălan, Loredana Pluștea, Andrada Gavra, Diana Obistioiu, Monica Negrea, Antoanela Cozma, Ersilia Alexa</b> , Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Food Engineering

## POSTER SESSION

**ANGHEL Emanuel,  
NICOLA Mihail,  
VUCULESCU Darius,  
HERBEI Mihai Valentin,  
SALA Florin**

*METHODS FOR MONITORING  
LOCALITIES BASED ON REMOTE  
SENSING IMAGES. CASE STUDY:  
DUMBRAVITA, TIMIS COUNTY*

**AMARA Mohamed,  
METRI Mohamed**

*THE PISTACIA TEREBINTHUS L. IN  
THE REGION OF TLEMCEN:  
MORPHOMETRICS AND  
SYSTEMATICS*

**BAKLI Mahfoud,  
BOURAS Noureddine,  
PAȘCALAU Raul,  
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*IN SILICO CHARACTERIZATION OF  
A CUTINASE FROM  
PSEUDOMONAS FLUORESCENS*

**BAROIAN Anna,  
MINAKOVA Irina,  
DANCEA Lucrețiu**

*ENSURING FOOD SECURITY IN  
RUSSIA IN MODERN CONDITIONS*

**BEIUȘANU Iulia, CHIȘ  
Codruta**

*THE DETERMINATION WITH  
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THE EQUATION SYSTEM OF  
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INDIRECT GEODETIC  
MEASUREMENTS OF SAME  
PRECISION*

**BIRO Alina-Sorina,  
IVAȘCU Cosmin M.  
CIOBOTĂ Alexandru,  
ARSENE G.-G.**

*ASSESSMENT OF ECOSYSTEM  
SERVICES THROUGH HABITAT  
DIVERSITY WITHIN A PERI-URBAN  
RIVER AREA – BEGA RIVER IN THE  
EASTERN PART OF TIMIȘOARA*

**BRATAN G., TRUȚAN  
R., NAGHY V., DUMA  
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MIHUȚ Casiana**

*OPTIMAL MECHANIZATION  
TECHNOLOGY FOR GRAIN MAIZE  
HARVESTING*

- CĂRĂBA A.F., TRUȚAN R., NAGHY V., DUMA COPCEA Anișoara, COZMA Antonela** *NOISE AND VIBRATIONS PRODUCED BY TRACTORS AND SELF-PROPELLED AGRICULTURAL MACHINERY*
- CARȚIȘ Traian, SMULEAC Adrian, SIMON Mihai** *REALIZATION AND INCREASE DENSITY OF POINTS FOR THE GEODETIC NETWORK BY G.N.S.S. MEASUREMENTS IN THE U.A.T. ZARAND*
- CĂRUNTA Cristina, CHIȘ Codruța, HERBEI Mihai** *AN APPLICATION OF GROEBNER BASES TO HELMERT TRANSFORMATIONS OF COORDINATES*
- CĂRUNTA Cristina, CHIȘ Codruța, CHIȘ Mihai** *A COMPUTATIONAL ALGEBRA APPLICATION TO GEODESY*
- CAUC C.L., DUȘAN O., BOCA Cosmina., MIHUȚ Casiana, DUMA-COPCEA Anișoara** *MACHINERY AND TECHNOLOGIES USED IN SOIL CONSERVATION SYSTEMS FOR SUSTAINABLE AGRICULTURE*
- CAUC C.L., MIHUȚ Casiana, DUMA-COPCEA Anișoara** *DRUM IRRIGATION FOR MAIZE CULTURE ON A CERNOSIOM FROM THE LOCATION OF MĂNĂȘTIUR, ARAD COUNTY*
- COSTEA Maria Alina, GROZEA Ioana** *REVIEW OF THE CURRENT GLOBAL SITUATION OF HARMFUL AND USEFUL INSECT SPECIES PRESENT IN MAIZE CROPS AND POSSIBLE INTERACTIONS BETWEEN THEM*
- CRAȘOVAN L., NIȚĂ L., NIȚĂ Simona** *PEDOLOGICAL STUDY FOR THE ESTABLISHMENT OF A POMICLE PLANTATION IN BOZOVICI, CARAȘ SEVERIN COUNTY*
- CRISTA Maria Manuela, NIȚĂ Simona, OKROS Adabert** *RESEARCH ON SOYBEAN GROWING TECHNOLOGY IN GIERA PEDOCLIMATE CONDITIONS*

<b>CURCHI Sergiu Claudiu, NIȚĂ Simona, NIȚĂ Lucian</b>	<i>MODERN CULTIVATION TECHNOLOGIES A RAPESEED ON A VERTICAL-STAGNANT PRELUVOSOL SOIL</i>
<b>DEMETER A., TRUȚAN R., NAGHY V., DUMA COPCEA Anișoara, MIHUȚ Casiana</b>	<i>WORKING CAPACITY OF GRAIN HARVESTERS</i>
<b>KATARINA DAMJANOVIĆ, IVANA VARGA</b>	<i>WORLD BEER PRODUCTION AND HOP USE</i>
<b>DRACEA Adrian, SOLEA Ionel, BAGHINA Narcis</b>	<i>CONTROLLED WASTE STORAGE AND MONITORING IN THE NON- HAZARDOUS WASTE LANDFILL IN GHIZELA COMMUNE, TIMIȘ COUNTY</i>
<b>EREMI Ovidiu, LAICHICI Daniel, IENCIU Anișoara, DUMA COPCEA Anișoara</b>	<i>CASE STUDY UPON A FAMILY FARMING SYSTEM LOCATED IN TORMAC LOCALITY, TIMIȘ COUNTY, ROMANIA</i>
<b>EREMI Ovidiu, MARIAN Flavius, NOZIM Aliev, OKROS Adalbert</b>	<i>THE SOIL SUITABILITY FOR FRUIT TREES FROM CARANI LOCALITY, TIMIȘ COUNTY, ROMANIA</i>
<b>FULGA Andra, DRĂGHICI Denis, BOSICA Iasmina, ȘTEF Ramona, MANEA Dan</b>	<i>CHEMICAL CONTROL OF THE SEGETAL FLORA PRESENT IN MAIZE CROP</i>
<b>GHIMAN Alin Efraim, ȘMULEAC Laura, LAȚO Alina</b>	<i>POLLUTED WATER IMPACT ON ENVIRONMENT AND HEALTHCARE IN ROMANIA</i>
<b>GLOGOVAN Răzvan Valentin, NIȚĂ Simona, NIȚĂ Lucian</b>	<i>STUDIES ON THE CULTIVATION TECHNOLOGY OF FIVE MAIZE HYBRIDS IN THE PEDOCLIMATIC CONDITIONS FROM GIERA</i>
<b>GYALAI I. M., LANTOS F.</b>	<i>EFFECT OF NUTRIENT SOLUTION WITH DIFFERENT N:K RATIOS ON THE YIELD OF CLAUDIUS F1 SWEET PEPPER IN CONTAINER</i>



## CULTIVATION

**KINCEL Klaudia,  
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**KISVARGA Szilvia,  
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**KRAJCSOVICS Adrienn  
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**LAICHICI Daniel,  
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<b>MARIAN (ILIE) Virginia- Simona, ȘMULEAC Laura, TULBURE Cristina</b>	<i>STUDY OF GROUNDWATER QUALITY IN MEHEDINȚI COUNTY</i>
<b>MARIAN Flavius, EREMI Ovidiu, MIHUȚ Casiana, COZMA Antoanela</b>	<i>CHARACTERIZATION OF SOILS IN PERIAM COMMUNE, TIMIȘ COUNTY, ROMANIA</i>
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Felicia, MIRCOV  
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**SÎLI Nicolae, APOSTU  
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**SUHAI Larisa Mileva,  
ŞMULEAC Adrian,  
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*THE USE OF CENTRAL PIVOT IRRIGATION SYSTEMS IN THE PRODUCTIVE RECOVERY WORKS OF THE LANDS AFFECTED BY DESERTIFICATION. AN OPPORTUNITY ANALYSIS FOR DOLJ COUNTY*

**SZONYI (RECHIȚEAN)Isabela, RECHIȚEAN Dorin, GROZEA Ioana, VÎRTEIU Ana – Maria**

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**TALLARITA Alessio, VECCHIETTI Lorenzo, COZZOLINO Eugenio, SEKARA Agnieszka, MIRABELLA Massimo, CUCINIELLO Antonio, MAIELLO Roberto, CENVINZO Vincenzo, LEONE Vincenzo, CARUSO Gianluca**

*USING BIOSTIMULANT TO IMPROVE TOMATO (SOLANUM LYCOPERSICUM L.) FRUIT YIELD AND QUALITY DURING THE AUTUMN-WINTER SEASON*

**TANASĂ A., BLAGA A.C., ȘUTEU D.**

*MICROBIAL RESIDUAL BIOMASS AS BIOSORBENT FOR CHEMICAL POLLUTANT RETENTION FROM AQUEOUS MEDIA*

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*VEGETAL WASTES AS BIOSORBENT FOR CHEMICAL POLLUTANT RETENTION FROM AQUEOUS MEDIA*

**TOADER George, TRIFAN Daniela, ENEA Cătălin-Ionuț, GHIORGHE Alin-Ionel, LUNGU Emanuela, ILIE Leonard**

*RETROSPECTIVE 2020: ROMANIA'S AGRICULTURE, DROUGHT AND SARS-COV-2 PANDEMIC*

**TOPORAN R.L., SAMFIRA I.**

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<b>VARGA Rebeca, MARIAN Flavius, OKROS Adalbert, MIHUȚ Casiana</b>	<i>CHARACTERIZATION OF SOILS FROM MOȘNIȚA NOUĂ COMMUNE, TIMIȘ COUNTY, ROMANIA</i>
<b>VĂȚĂMANU S., NIȚĂ L., NIȚĂ Simona</b>	<i>MANAGEMENT OF SOIL RESOURCES IN MAȘLOC COMMUNE TIMIȘ COUNTY</i>
<b>VELESCU Martin, SMULEAC Adrian, SIMON Mihai, CURESCU A.</b>	<i>THE THICKENING OF THE GEODETIC NETWORK BY SATELLITE MEASUREMENTS IN VINGA COMMUNE</i>
<b>VOINOV Milena, AVRAM Florina-Gabriela, DRAGOMIR Lucian</b>	<i>IDENTIFICATION AND ANALYSIS OF DEFORESTED AREAS IN THE MARAMURES MOUNTAINS NATURAL PARK THROUGH SATELLITE IMAGES</i>
<b>VOINOV Milena, ISFAN Adelin, URSIC Vlad, BERTICI Radu, HERBEI Mihai Valentin</b>	<i>USE OF SENTINEL 2 IMAGES IN LAND MANAGEMENT</i>