

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



PROGRAM

FACULTY OF AGRICULTURE
In collaboration with

**SZENT ISTVAN UNIVERSITY
UNIVERSITY OF NOVI SAD, STATE AGRARIAN UNIVERSITY
OF MOLDOVA, SCDA LOVRIN, ROMANIAN ACADEMY OF
AGRICULTURAL AND FORESTRY SCIENCES**



**MULTIDISCIPLINARY CONFERENCE ON
SUSTAINABLE DEVELOPMENT**



**Section "TRENDS IN EUROPEAN AGRICULTURE
DEVELOPMENT"**

TIMISOARA, on-line event between 8th-9th October 2020

ORGANISING COMMITTEE
COMITETUL DE ORGANIZARE

Prof. PhD Florin IMBREA

- Dean of Faculty of Agriculture, USAMVB Timisoara

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Lecturer PhD Mihaela FERICEAN - USAMVB Timisoara

Assist. PhD George POPESCU - USAMVB Timisoara

Assist. Ştefan BĂTRÎNA - USAMVB Timisoara

**PROGRAMME OF THE SYMPOSIUM
PROGRAMUL SIMPOZIONULUI**

Thursday – October 8th 2020 Joi – 8 octombrie 2020	
10⁰⁰ – 10¹⁰	Opening Ceremony, on-line <i>Deschiderea festivă, on-line</i>
10¹⁰ – 10³⁰	MOROSAN SERBAN , 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"
10³⁰ – 10⁵⁰	HUSWALD TIMOTHEE , 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"
10⁵⁰ – 11¹⁰	TODD RILEY CALLAWAY , University of Georgia, Department of Animal and Dairy Science – "Probiotic approaches to modifying the microbial populations: how do you choose and why?"
11¹⁰ - 11³⁰	OZAN GUNDOGDU , 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"
October 8th-9th 2020 8-9 octombrie 2020	
	Poster presentation <i>Prezentarea posterelor</i>

Section “**TRENDS IN EUROPEAN AGRICULTURE DEVELOPMENT**”

Thursday – October 8th 2020

Joi – 8 octombrie 2020

on-line event

Moderators:

Lecturer PhD Laura ȘMULEAC - USAMVB Timișoara

PhD Michele SELLITTO – International consultant on the use of the soil microbiome in agriculture, Italy

Secretary:

Lecturer PhD Alina LAȚO- USAMVB Timișoara

12⁰⁰-12¹⁵

Opening speech

12¹⁵-12³⁰

Huswald TIMOTHEE, *Honorary Consul General of Romania in Haiti, President of College Universitaire de Roumanie in Haiti, President of the Fund for Biodiversity in Haiti - AGRICULTURAL BIODIVERSITY AND FOOD SECURITY*

12³⁰-12⁴⁵

Michele SELLITTO, *Italy - SOIL MICROBIOTA AND THE NEW CHALLENGES OF SUSTAINABLE AGRICULTURE*

12⁴⁵-13⁰⁰

Mahfoud BAKLI, *University Center Aïn Témouchent, Algeria - RARE CODON ANALYSIS IN RICKETTSIA AFFECTING RECOMBINANT PROTEIN EXPRESSION IN ESCHERICHIA COLI*

13⁰⁰-13¹⁵

Viviane Beatrice BOTA, Violeta TURCUȘ, Ciprian-Valentin MIHALI, Gicu-Gabriel ARSENE, Lăcrămioara Carmen IVĂNESCU, Maria Magdalena ZAMFIRACHE, *„Alexandru Ioan Cuza” University of Iași, „Vasile Goldiș” Western University of Arad, Banat’s University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara, Institutul Național de Cercetări Economice „Costin C. Kirițescu” al*

Academiei Române, Romania - ANATOMICAL INVESTIGATIONS ON OENOTHERA BIENNIS L. USING OPTICAL MICROSCOPY AND SCANNING ELECTRON MICROSCOPY (SEM)

13¹⁵-13³⁰

George TOADER, CHIURCIU Viorica, FILIP Valentina, Cristian-Ionuț FLOAREA, MAIEREAN Nistor, BURNICHI Floarea, MIREA Emilian, CONSTANTIN Petre, Elena-Violeta TOADER, ILIE Leonard, *University of Agricultural Sciences and Veterinary Medicine Bucharest, Research and Development Station in Vegetables. Buzău, Romvac Company. Voluntari, Bucharest Academy of Economic Studies, Romania - RESEARCH ON THE ACTION OF BACTERIA BIOPREPARATES ON AGRICULTURAL CULTURES AND SOIL STRUCTURE*

13³⁰-13⁴⁵

Cătălin-Ionel CIONTU, TURCU Daniel-Ond, BORLEA Gheroghe-Florian, *“Marin Drăcea” National Institute for Research and Development in Forestry, Timișoara, Banat’s University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara - MICROHABITATES IN THE BEECH NATURAL AND MANAGED FOREST - SHORT REVIEW*

13⁴⁵-14⁰⁰

Veronica SĂRĂȚEANU, Otilia COTUNA, Carmen Claudia DURĂU, Dorin RECHIȚEAN, *Banat’s University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timișoara - ANALYSIS OF THE VEGETATION OF EX-ARABLE GRASSLAND FROM PANNONIC PLAIN AREA – WESTER ROMANIA (CASE STUDY)*

POSTER SESSION

- **ABRUDAN Alina –Andreea, D. ȚĂRĂU** - *FAVORABILITY OF AGRARIAN LAND OF LIPOVA HILLS FOR THE MAIN GROWN CROPS AND FRUIT TREES*
- **AMARA Mohamed, M. BOUAZZA, K. ERROUANE, Meriem KAID-HARCHE, D NAFIL, R. PAȘCALĂU, L. ȘMULEAC, M. AL-SAGHIR** - *SYSTEMATIC POSITION OF PISTACIA ATLANTICA DESF. SUBSP. ATLANTICA IN NORTH-WEST ALGERIA : ANATOMY AND BIOMETRY OF LEAVES*
- **BORCEAN Adrian, Casiana MIHUȚ, Adalbert OKROS** - *INFECTIOUS PRESSURE ANALYSIS OF PHLOEOSPORELLA PADI FUNGUS IN THE SOUTHWESTERN PART OF ROMANIA*
- **BÂRLIBA Florin Cristian, Luminița Livia BÂRLIBA , Costel BÂRLIBA** - *MODERN METHODS AND TECHNIQUES FOR COLLECTING AND PROCESSING GEOSPACE DATA OF AN OBJECTIVE*
- **BÂRLIBA Florin Cristian, Luminița Livia BÂRLIBA , Costel BÂRLIBA** - *METHODS OF ACQUISITION AND DATA PROCESSING CARRIED OUT WITH DJI PHANTOM 4 PRO V2.0 UAV EQUIPMENT*
- **BEICU Rodica, Sorina POPESCU, Alina NEACȘU, Ilinca-Merima IMBREA** - *APPLICABILITY OF SCOT (START CODON TARGETED) MARKERS IN EVALUATION OF THYMUS GENETICALLY VARIABILITY*
- **BOJINESCU Florina Nicoleta, Georgeta POP** - *FEATURES OF THE SPECIES MONARDA DIDYMA CULTIVATED UNDER THE PEDOCLIMATIC CONDITIONS OF DIDACTIC-EXPERIMENTAL STATION IN TIMISOARA, ROMANIA*
- **BOJINESCU Florina Nicoleta, Renata ȘUMĂLAN, Iuliana POPESCU Georgeta POP** - *ANTIFUNGAL ACTION OF THE ESSENTIAL OIL OF MONARDA DIDYMA*
- **BORCEAN Adrian, Casiana MIHUȚ, Adalbert OKROS** - *ANTHRACNOSE (DISCULA DESTRUCTIVA), A NEW DISEASE AFFECTING POPULATIONS OF CORNELIAN*

CHERRY (CORNUS MAS) FROM THE BANAT MOUNTAINS

- **BORCEAN Adrian, Gheorghe DAVID, Gicu Gabriel ARSENE** - *SPONTANEOUS FLORA JERUSALEM ARTICHOKE (HELIANTHUS TUBEROSUS) DISEASE, FROM THE SOUTH WESTERN PART OF ROMANIA*
- **BOSTAN C., Loredana COPĂCEAN, Luminița COJOCARIU, M.S. PASCU, Adina HORABLAGA, M. HORABLAGA, F. BORLEA, I. DUNEA-BĂNĂȚEAN, Alina AGAPIE** - *NATURAL PROTECTED AREAS IN THE CONTINENTAL BIOGEOGRAPHIC REGION (ROMANIA)*
- **CIONTU Cătălin-Ionel, Maria DINCĂ** - *THE PRESENCE OF ASPLENIUM GENUS IN "ALEXANDRU BELDIE" HERBARIUM FROM "MARIN DRĂCEA" NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT IN FORESTRY*
- **COTUNA Otilia, Mirela PARASCHIVU, Veronica SĂRĂȚEANU, Carmen DURĂU** - *DENTIFICATION OF THE PHYTO - PATHOGENIC FUNGUS CYTOSPORA LEUCOSTOMA (PERS.) SACC. IN CHERRY TREES FROM WESTERN ROMANIA (CASE STUDY)*
- **COZMA Antoanela, Casiana MIHUȚ, V. D. MIRCOV, A. OKROS, Florina RADU, B. COZMA, L. NIȚĂ, Laura ȘMULEAC** - *TRANSLOCATION OF SOME HEAVY METALS FROM THE SOIL IN ROOT VEGETABLES IN THE PLAIN AREA OF BANAT*
- **CRISAN Vlad, DINCA Lucian** - *THE MOST IMPORTANT FOREST FRUITS FROM BRASOV COUNTY*
- **CRISAN Vlad, DINCA Lucian, Deca Sorin** - *PLANTS FROM BUZAU COUNTY PRESENT IN "ALEXANDRU BELDIE" AND W.U. HERBARIUMS*
- **CUCU Marian Catalin, Ioana PANAIT** - *AGROCHEMICALS USE IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT OF ROMANIAN AGRICULTURE*
- **DELICHEV Grozi** - *WINTER RESISTANCES OF OILSEED CANOLA AND RESEEDING OF DAMAGED BY FROST AREAS WITH SPRING CROPS*
- **DINCĂ L., I. CÂNTAR** - *OAK FOREST FROM ROMANIA'S WEST PLAIN UNDER CONSERVATION REGIME*

- **DOROBANTU Silviu, HERBEI Mihai Valentin, POPESCU George, DICU Daniel, HERBEI Roxana Claudia, BERTICI Radu** - *THE USE OF GEOMATICS TECHNOLOGIES IN MONITORING THE EARTH'S SURFACE COVER*
- **GROZEA Ioana, Alina Stan COSTEA** - *APRICOT TREES, A NEW ATTRACTION FOR THE BROWN MARMORATED STINK BUG*
- **GROZEA Ioana, STEF Ramona, VIRTEIU Ana Maria, CĂRĂBEȚ Alin, BUTNARIU Monica, MOLNAR Levente** - *THE AGGRESSIVE BEHAVIOUR OF THE CORYTHUCHA CILIATA AT THE ENVIRONMENTAL CHANGES OF THE LAST YEARS*
- **IOSIM IASMINA** - *CONTENT ANALYSIS OF MEDIA COMMUNICATIONS: A CASE STUDY (ICE CREAM ADS)*
- **IOSIM IASMINA** - *IMPROVING COMMUNICATORS' SKILLS IN TOURISM AND AGRITOURISM*
- **IORDĂCHESCU Mihaela, Amalia UDRIȘTE, Vlad POPA, Liliana BĂDULESCU** - *SEED GERMINATION SURVEY OF ROMANIAN TOMATO AND PEPPER VARIETIES*
- **KOMLÓSI Katalin Kitti - Attila RIBÁCS** - *A STUDY ON THE INFLUENCE OF HEAT STRESS ON THE LACTATING HUNGARIAN SIMMENTAL COWS*
- **LEAH Nicolai, Vera PANU, Tamara LEAH** - *SUNFLOWER PRODUCTIVITY DEPENDING OF THE FERTILIZATION LEVEL ON THE CHERNOZEM LEACHED IN THE CENTRAL AREA OF THE REPUBLIC OF MOLDOVA*
- **LEAH Tamara, Valerian CERBARI, Nicolai LEAH** - *CHANGES IN THE QUALITY STATUS OF ARABLE GRAY SOILS OF THE NORTHERN AREA OF THE REPUBLIC OF MOLDOVA USED IN AGRICULTURE*
- **LUNGU Marius-Robert; URLICA Alina-Andreea; COROAMA-DORNEANU Laura Ioana** - *A CONCEPTUAL ANALYSIS OF SOCIAL DARWINISM, COMPETITIVE VERSUS CONSTRUCTIVIST PARADIGMS*
- **MADJAR Roxana Maria, Andrei MOȚ, Gina VASILE SCĂEȚEANU, Mircea MIHALACHE** - *METHODS USED*

FOR HEAVY METAL DETERMINATION IN AGRICULTURAL INPUTS

- **MARUȘCA Teodor, Alma L. NICOLIN** - CONTRIBUTIONS TO THE STUDY OF THE IMPACT OF GRASSLAND PHYTO-COENOSSES IN THE UPPER AND MIDDLE TIMIS RIVER BASIN ON FORAGE AND LIVESTOCK PRODUCTION (BANAT, ROMANIA)
- **MÁTÉ M. D., Ildikó SZALÓKINÉ ZIMA** - DEVELOPMENT AND YIELD OF FIELD TOMATO UNDER DIFFERENT WATER SUPPLY
- **MĂRUNȚELU I., BRĂTUCU Gh** - RESEARCHES ON THE USE OF TECHNICAL EQUIPMENT IN THE PREPARATION OF THE GERMINATIVE BED IN THE EXPERIMENTAL FIELDS
- **MINEVA Roxana, Antoniya STOYANOVA** - RESEARCH OF THE EFFECT OF ORGANIC FERTILIZER SIAPTON ON PRODUCTIVITY OF OIL ROSE (ROSA DAMASCENA MILL)
- **OKROS Adalbert, Paul PÎRȘAN, Vlad MIRCOV, Casiana MIHUȚ, Maria Manuela CRISTA** - AGRICULTURAL SYSTEMS OF TORMAC LOCALITY, TIMIȘ COUNTY
- **OKROS Adalbert, Paul PÎRȘAN, Vlad MIRCOV, Casiana MIHUȚ, Maria Manuela CRISTA** - AGRICULTURAL SYSTEMS OF VINGA LOCALITY, ARAD COUNTY
- **OSMAN Andrei, BODEA Ciprian, MALOȘ Cristian, IMBREA Ilinca, ȘMULEAC Laura, IVAN Mihaela, BĂNĂȚEAN-DUNEA Ioan** - INVENTORY AND MAPPING OF THE GENUS GOBIO WITHIN THE NATURA 2000 SITE ROSCI0419 MUREȘUL MIJLOCIU-CUGIR
- **OSMAN Andrei, PASCU Mihai, CRISTA Florin, BOSTAN Cristian, IVAN Mihaela, BĂNĂȚEAN-DUNEA Ioan** - ASSESSMENT OF THE CONSERVATION STATUS OF THE COMMUNITY INTEREST ICHTHYOFAUNA WITHIN THE NATURA 2000 SITE ROSCI0373 MUREȘ RIVER BETWEEN BRĂNIȘCA AND ILIA
- **PAȘCALĂU Raul, Sorin STANCIU, Laura ȘMULEAC, Adrian ȘMULEAC, Mirela AHMADI- KHOIE, Andrea FEHER, Marcel DANCI, Mahfoud BAKLI, Mohamed AMARA** - THE IMPORTANCE OF ENGLISH LANGUAGE IN ATTRACTING FOREIGN TOURISTS IN THE MURES

VALLEY REGION, NAMELY IN THE WINE ROAD AREA,
COUNTY OF ARAD, WESTERN ROMANIA

- **PAȘCALĂU Raul, Sorin STANCIU, Laura ȘMULEAC, Adrian ȘMULEAC, Mirela AHMADI- KHOIE, Andrea FEHER, Marcel DANCI, Mahfoud BAKLI, Mohamed AMARA** - *ACADEMIC VOCABULARY IN TEACHING ENGLISH FOR AGRICULTURE*
- **PETCU (VASILE) Valentina Mihaela, M. MIHALACHE** - *RESEARCH ON THE USE OF SLAG FROM THE STEEL INDUSTRY IN AGRICULTURE AND FOR AMELIORATION ACIDIC SOILS*
- **RADULESCU Hortensia** - *POTENTIAL NITRIC POLLUTION SOURCE OF DRINKING WATER FROM RURAL WELLS*
- **RADULESCU Hortensia** - *FOOD POLLUTION AS A RESULT OF VEGETABLE NITRIC OVERLOAD*
- **RECHIȚEAN Dorin, HORABLAGA Marinei Nicolae, GORINOIU Gabriela, RĂDUCAN Gabriel, SĂRĂȚEANU Veronica, AGAPIE Alina** - *STUDY OF SOME QUALITY PARAMETERS IN ANNUAL CEREALS - LEGUMES FODDER MIXTURES CULTIVATED IN WESTERN ROMANIA*
- **ROGOBETE GH., ADIA GROZAV** - *LANDSLIDES AND THEIR CONTROL AT MARGINA VILLAGE, TIMIȘ COUNTY, ROMANIA*
- **ȚIGRIȘ Nicoleta Liliana, Niță Simona, David Gheorghe, Niță Lucian Dumitru** - *RESEARCH REGARDING THE BEHAVIOUR OF CERTAIN BEAN BIOTYPES (Vicia faba L.) UNDER CONDITIONS OF DIFFERENTIATED FERTILIZATION*
- **SABĂU N.C., M. CĂRBUNARU, Anișoara IENCIU, Adelina VENIG** - *EFFICIENCY OF WATER USE, UNDER THE CONDITIONS OF GLOBAL CLIMATE CHANGES IN ECOLOGICAL TOMATOES, GROWN IN SOLARIUM, USING DRIP IRRIGATION*
- **SALA Florin, Cosmin Alin POPESCU, Mihai Valentin HERBEI** - *ASSESSMENT OF TEMPORAL VARIABILITY FOR AGRICULTURAL LAND BY FRACTAL ANALYSIS OF SATELLITE IMAGERY*
- **ȘANDOR Cristian Iosif, Dorin ȚĂRĂU, Alina AGAPIE, Gheorghe DAVID** - *THE INFLUENCE OF NITROGEN AND PHOSPHORUS FERTILIZERS ON THE WHEAT*

YIELD UNDER THE PEDOCLIMATIC CONDITIONS FROM LOVRIN IN THE PERIOD 2016-2019

- **ȘANDOR Cristian Iosif, Dorin ȚĂRĂU, Alina AGAPIE, Gheorghe DAVID** - *THE EFFECT OF NITROGEN AND PHOSPHORUS FERTILIZERS ON THE MAIZE YIELD UNDER THE CLIMATE AND SOIL CONDITIONS FROM LOVRIN IN THE PERIOD 2016-2019*
- **ȘTEF RAMONA, CĂRĂBEȚ ALIN, MANEA DAN, GROZEA IOANA, IENCIU ANIȘOARA, VÂRTEIU ANA MARIA** - *THE SENSITIVITY OF THE GALIUM APARINE SPECIES TO SULFONYLUREA HERBICIDES*
- **UNGUREANU O.C., STANA I.O., UNGUREANU Elena, BOTA Viviane Beatrice, TURCUȘ Violeta** - *STUDIES REGARDING MORPHOLOGICAL, BIOCHIMICAL AND PRODUCTION ASPECTS FOR SOME TRITICALE TYPES (TRITICOSECALE WITTMACK) IN THE CLIMATE AND SOIL CONDITIONS OF ARAD*
- **URSU Romeo Petru, ȚĂRĂU Dorin** - *ASPECTS REGARDING THE INTEGRATED WASTE MANAGEMENT IN TIMIȘ COUNTY THROUGH THE NON-HAZARDOUS WASTE LANDFILL ON THE ADMINISTRATIVE TERRITORY OF GHIZELA COMMUNE*