

**UNIVERSITY OF CRAIOVA**  
**FACULTY OF AGRONOMY AND FACULTY OF HORTICULTURE**  
in collaboration with

**Ministry of National Education**  
**Ministry of Agriculture and Rural Development**  
**Romanian Academy of Agriculture and Forestry - Craiova Branch**  
**Technological Educational Institute of Thessaly (Greece)**  
**Romanian Horticultural Society- Craiova Branch**  
**Hortus Oltenia 1962 Association**  
**Romanian Movement for Quality (RMQ)**



# **PROGRAM BOOKLET**

**INTERNATIONAL SCIENTIFIC SYMPOSIUM**

***„SUSTAINABLE DEVELOPMENT IN  
AGRICULTURE AND HORTICULTURE”***  
***-Third edition-***

**12-13 November, 2015**

**CRAIOVA**

***Dear colleagues,***

***We like to kindly invite you and your collaborators to participate in International Scientific Symposium***

***SUSTAINABLE DEVELOPMENT IN AGRICULTURE AND  
HORTICULTURE-Third edition-***

***that will be held during the period 12-13 November 2015, at the University of Craiova- Faculty of Agriculture and Horticulture.***

***The aim of the Symposium is to bring together academics, researchers, makers, PhD students and producers to exchange and share their experiences, new ideas and researches in the fields of agriculture, horticulture, food engineering, biology, forestry sciences, animal husbandry, environmental protection and sustainable development.***

***Knowing your preoccupation, we would be honoured if you would participate to this scientific event.***

***On behalf of the organizing committee,***

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Assoc.Prof. BĂDUCĂ CONSTANTIN PhD**

**Dean,  
Assoc.Prof. PÎNZARU LUCIAN PhD**

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## SCHEDULE

### INTERNATIONAL SCIENTIFIC SYMPOSIUM „SUSTAINABLE DEVELOPMENT IN AGRICULTURE AND HORTICULTURE- Third edition“

Craiova, 12-13 November 2015

12 NOVEMBER 2015		Place of Symposium:
9,00 -9,30	<b>REGISTRATION OF PARTICIPANTS</b>	<b>Faculty of Agronomy Aula Buia-</b> Hall Ground floor
9,30-11,30	<b>OPENING CEREMONY- KEYNOTE SPEAKERS</b> <b>AWARD OF PERSONALITIES OF AGRONOMIC AND HORTICULTURAL HIGHER EDUCATION FROM OLTENIA</b>	<b>Faculty of Agronomy Aula Buia-</b> Ground floor
11,30-12,00	<i>Coffee break</i>	<b>Faculty of Agronomy</b> (First floor)
12,00-13,00	<b>PLENARY SESSION I</b> <b>System reliability in terms of agricultural production to ensure food security of Romania-</b> Prof. NICOLESCU MIHAI PhD, BADIU AUREL PhD, ASAS <i>Gheorhe Ionescu-Șișești</i> Romania <b>Water distribution uniformity of drip irrigation systems in olive trees for Izmir province of Turkey-</b> ACAR BİLAL, YUNUS ÇİCEK, RAMAZAN TOPAK, Faculty of Agriculture, University of Selçuk, Konya-Turkey <b>150th Anniversary of the birth of Professor Ioan Hășeganu- the first President of Romanian Society of Horticulture -</b> Prof. GLĂMAN GHEORGHE PhD, President of Romanian Society of Horticulture	<b>Faculty of Agronomy Aula Buia-</b> Ground floor
13,00-14,00	<i>Lunch/Buffer</i>	<b>Faculty of Agronomy</b> (First floor)
14,00-15,30	<b>ORAL PRESENTATIONS I</b> (sections 1-4) <ul style="list-style-type: none"> <li>• Section 1: AGRICULTURE AND FORESTRY SCIENCES, ANIMAL SCIENCE</li> <li>• Section 2 : HORTICULTURE AND FOOD SCIENCE</li> <li>• Section 3: BIOLOGY, PLANT AND ENVIRONMENTAL PROTECTION</li> <li>• Section 4 : MANAGEMENT, MECANIZATHION OF AGRICULTURE, CADASTRE, AGROTOURISM</li> </ul>	<b>Faculty of Agronomy</b> Section 1- Ground floor <i>Aula Buia</i> Section 2 – Ground floor L 119 Section 3 – Ground floor L 126 Section 4 – Ground floor L 114
15,30-16,00	<i>Coffee break</i> <b>POSTERS EXHIBITION</b>	<b>Faculty of Agronomy</b> (First floor)
16,00-17,30	<b>ORAL PRESENTATIONS II</b> (sections 1-4) <ul style="list-style-type: none"> <li>• Section 1: AGRICULTURE AND FORESTRY SCIENCES, ANIMAL SCIENCE</li> <li>• Section 2 : HORTICULTURE AND FOOD SCIENCE</li> <li>• Section 3: BIOLOGY, PLANT AND ENVIRONMENTAL PROTECTION</li> </ul>	<b>Faculty of Agronomy</b> Section 1- Ground floor <i>Aula Buia</i> Section 2 – Ground floor L 119

	<ul style="list-style-type: none"> <li>Section 4 : MANAGEMENT, MECANIZATHION OF AGRICULTURE, CADASTRE, AGROTOURISM</li> </ul>	Section 3 – Ground floor L 126 Section 4 – Ground floor L 114
<b>17,30-18,30</b>	<p style="text-align: center;"><b>POSTER PRESENTATION I</b> (sections 1-4)</p> <ul style="list-style-type: none"> <li>Section 1: AGRICULTURE AND FORESTRY SCIENCES, ANIMAL SCIENCE</li> <li>Section 2 : HORTICULTURE AND FOOD SCIENCE</li> <li>Section 3: BIOLOGY, PLANT AND ENVIRONMENTAL PROTECTION</li> <li>Section 4 : MANAGEMENT, MECANIZATHION OF AGRICULTURE, CADASTRE, AGROTOURISM</li> </ul>	<b>Faculty of Agronomy</b> (First floor)
<b>19,30</b>	<b>Festive Dinner</b> – Restaurant Prestige-	Matei Basarab Street, no. 15, Craiova, near of Cathedral <i>Sf. Dumitru</i>
<b>13 NOVEMBER 2015</b>		
<b>9,30-10,30</b>	<p style="text-align: center;"><b>POSTER PRESENTATION II</b> (sections 1-4)</p> <ul style="list-style-type: none"> <li>Section 1: AGRICULTURE AND FORESTRY SCIENCES, ANIMAL SCIENCE</li> <li>Section 2 : HORTICULTURE AND FOOD SCIENCE</li> <li>Section 3: BIOLOGY, PLANT AND ENVIRONMENTAL PROTECTION</li> <li>Section 4 : MANAGEMENT, MECANIZATHION OF AGRICULTURE, CADASTRE, AGROTOURISM</li> </ul>	<b>Faculty of Agronomy</b> (First floor)
<b>10,30-11,30</b>	<p style="text-align: center;"><b>PLENARY SESSION II</b></p> <p style="text-align: center;"><b>The level of national consumer service requirement for major groups of agricultural raw material and food products-</b> Prof. NICOLESCU MIHAI PhD, BADIU AUREL PhD, ASAS <i>Gheorhe Ionescu-Șișești</i> Romania</p> <p style="text-align: center;"><b>WORKSHOP -Evaluation of the productive potential of phytoremediation and adaptability to water stress of <i>Salix</i> genotypes, in resorts improper for crops (SAROSWE) -</b> Prof. Mihaela CORNEANU PhD (U.S.A.M.V. of Banat <i>Regele Mihai I al Romaniei</i>, Timișoara), Prof. SOARE Marin PhD (University of Craiova)</p>	<b>Faculty of Agronomy</b> Ground floor <i>Aula Buia</i>
<b>11,30-12,00</b>	Coffee break	<b>Faculty of Agronomy</b> (First floor)
<b>12,00-13,00</b>	<p style="text-align: center;"><b>POSTER PRESENTATION III</b> (sections 1-4)</p> <ul style="list-style-type: none"> <li>Section 1: AGRICULTURE AND FORESTRY SCIENCES, ANIMAL SCIENCE</li> <li>Section 2 : HORTICULTURE AND FOOD SCIENCE</li> <li>Section 3: BIOLOGY, PLANT AND ENVIRONMENTAL PROTECTION</li> <li>Section 4 : MANAGEMENT, MECANIZATHION OF AGRICULTURE, CADASTRE, AGROTOURISM</li> </ul>	<b>Faculty of Agronomy</b> (First floor)
<b>13,30</b>	<b>Closing of Symposium</b>	

**Places of Symposium:**

**FACULTY OF AGRONOMY**

Address: Libertății Street, no.19, Craiova, Romania, RO 200421, Tel./Fax : 0040 251 41 84 75; 0040 251 41 45 41

## SECTION 1

### AGRICULTURE AND FORESTRY SCIENCES, ANIMAL SCIENCE

Agricultural technology; Agrotechnics; Agricultural chemistry; Ecological agriculture; Grassland and forage crop; Forestry; Animal science; Technologies applied in animal husbandry; Aquaculture

**Moderators:** Prof. Assoc. NICULESCU MARIANA, PhD.  
Prof. Assoc. MARIUS VLADU, PhD.

**Secretary:** Lecturer CIOBANU ANDI, PhD.



### ORAL PRESENTATIONS

14<sup>00</sup>-14<sup>10</sup>

**EFFECTS OF VITASIL ON PROXIMATE COMPOSITION AND SOME BIOCHEMICAL PARAMETERS OF COMMON CARP (*CYPRINUS CARPIO* L.)**

Atanasoff Alexander, Dimo Girginov, Dimitrinka Zapryanova, Krum Nedelkov, Ferhat Çağiltay, Faik Sertel Seçer

14<sup>10</sup>-14<sup>20</sup>

**COMPARISON OF PERCENTAGE OF BIOGAS PRODUCED FROM ANIMAL WASTE IN VARIOUS RATES, WATER WITH WASTE**

Edmond Demollari, Etleva Jojiç, Valdete Vorpsi, Enkelejda Sallaku, Erta Dodona, Marsel Keçi

14<sup>20</sup>-14<sup>30</sup>

**PROTECTED SAPROXYLIC COLEOPTERA IN "THE FORESTS IN THE SOUTHERN PART OF THE CÂNDEȘTI PIEDMONT", A ROMANIAN NATURA 2000 PROTECTED AREA**

Bărbuceanu Daniela, Mariana Niculescu, Violeta Boruz, Niculescu L., Stoleriu C., Ursu A.

14<sup>30</sup>-14<sup>40</sup>

**COMPARATIVE ANALYSIS OF THE DENSITY OF NATURAL REGENERATION FOLLOWING THE WOODLAND STAGE OF SEEDLINGS OF HUNGARIAN (*QUERCUS FRAINETTO*) AND TURKEY OAK (*QUERCUS CERRIS*)**

Bercea I.



14<sup>40</sup>-14<sup>50</sup>

**RESEARCH ON THE CHOICE OF ECOPRODUCTIVE TECHNOLOGIES OF FOREST HARVESTING IN THE NATIONAL PARK OF SEMENIC - CHEILE CARAȘULUI**

Chisăliță I., Bercea I., Ciontu C., Cântar I., Simon-Cernescu N.

14<sup>50</sup>-15<sup>00</sup>

**COMPARATIVE STUDY REGARDING THE ADRENOCORTICOTROPIC HORMONE (ACTH) EFFECTS ON MILK PRODUCTION IN EWES AND SOWS**

Codreanu Iuliana

15<sup>00</sup>-15<sup>10</sup>

**NEW GRAIN SORGHUM GENOTYPES ADAPTED TO SPECIFIC ECOPEDOLOGICAL CONDITIONS OF SANDY SOILS**

Drăghici I.

15<sup>10</sup>-15<sup>20</sup>

**THE RADICULAR AND FOLIAR FERTILIZATION INFLUENCE UPON GRAINS YIELD TO COWPEA**

Drăghici Reta

15<sup>20</sup>-15<sup>30</sup>

**PRELIMINARY RESULTS CONCERNING TESTING OF THE NEW ACTIVE INGREDIENTS USED LIKE MAIZE SEED TREATMENT FOR CONTROLLING OF THE *TANYMECUS DILATICOLLIS* GYLL IN LABORATORY CONDITIONS, AT NARDI FUNDULEA**

Georgescu E., Nicoleta Balaban, Luxita Rasnoveanu, Lidia Cana

16<sup>00</sup>-16<sup>10</sup>

**ASSESSING THE QUALITY OF SUNFLOWER OIL USED FOR FRYING DOUGHNUTS**

Ghidurus Mihaela, Calin Alex, Varga Mioara

16<sup>10</sup>-16<sup>20</sup>

**COMPOSITIONAL QUALITY OF SOME DAIRY PRODUCTS FROM A COLD STORE**

Lazăr Corina Daniela, Găvan C., Colă M.

16<sup>20</sup>-16<sup>30</sup>

**THE INFLUENCE OF BASIC ENVIRONMENT ON *LYMANTRIA DISPAR* L. OUTBREAKS**

Netoiu C., Tomescu Romica, Buzatu A.

16<sup>30</sup>-16<sup>40</sup>

**CHEMICAL ANALYSIS OF WATER USED FOR FISH FARMING IN TUNDZHA RIVER, BULGARIA**

Sandeva G., Zapryanova D., Atanasoff A., Nikolov G., Ivanov V

16<sup>40</sup>-16<sup>50</sup>

**THE INDUCED INFLUENCE OF FOOD SWEETENERS ON CONCENTRATIONS OF FLAVIN-MONONUCLEOTIDES FROM NATURAL QUINCE JUICE**

Savescu Petre

16<sup>50</sup>-17<sup>00</sup>

**PARTIAL RESULTS CONCERNING THE BEHAVIOR OF SOME WILLOW GENOTYPES IN IMPROPER CROP STATIONS.**

Soare M., Păniță O., Sălceanu C.

17<sup>00</sup>-17<sup>10</sup>

**PERFORMANCE OF ALFALFA VARIETIES IN THE IRRIGATED PURE CULTURE IN THE HILLY REGION OF OLTENIA**

Tugui D., Cotigă C., Dobre M.

17<sup>10</sup>-17<sup>20</sup>

**THE EFFECTS OF SHORT-TERM EXPOSURE TO ORGANOPHOSPHATE INSECTICIDES ON SOME BIOCHEMICAL PARAMETERS IN COMMON CARP (*CYPRINUS CARPIO* L.)**

Zapryanova Dimitrinka, Ferhat Çağıltay, Faik Sertel Seçer, Teodora Mircheva, Veselin Ivanov



**POSTER PRESENTATION**

**EVALUATION OF THE BIOCHEMICAL ASPECTS OF DROUGHT TOLERANT NEW WHEAT LINES DURING GERMINATION AND EARLY GROWTH STAGES**

Babeanu Cristina, Matei Gh., Paunescu Gabriela

**NEW DATA ABOUT THE CONTROL OF THE PLANTHOPPER *METCALFA PRUINOSA* (SAY 1830) (HEMIPTERA: FLATIDAE) IN THE TOWN OF PITEȘTI (ARGEȘ COUNTY)**

Bărbuceanu Daniela, Mihăescu Cristina Florina

**RESOURCES, ELEMENTS OF QUALITY AND PRICES FOR SOME ASSORTMENT OF ECOLOGICAL PRODUCTS**

Bonciu Elena

**MODERN TECHNOLOGIES FOR FOOD PROCESSING**

Bonciu Elena, Iancu Paula, Păniță O.

**PHYSIOLOGICAL PARTICULARITIES OF HYGROPHILOUS PLANTS FROM DOMOGLED-CERNA VALLEY NATIONAL PARK**

Buse Dragomir Luminita, Niculescu Mariana

**RESEARCH ON THE ASSORTMENT OF THE TIMBER HARVESTED IN THE FOREST DISTRICT OF ANINA IN 2014**

Chisăliță I., Bercea I., Ciontu C., Cântar I., Simon-Cernescu N.

**RESEARCHES REGARDING THE PHYSIOLOGY OF LAVENDER PLANTS  
GROWN ON SOILS WITH DIFFERENT PH VALUES**

Buse Dragomir Luminita, Nicolae I.

**THE STUDY OF THE DEVELOPMENT OF THE ROOT SYSTEM ON FEW  
CONIFERS AND ON SOME VARIETIES OF SHRUBS**

Cichi M.

**FRUIT QUALITY IN FUNCTION OF THE GRAFT/ROOTSTOCK BIOSYSTEM  
WITH SOME PLUM TREE VARIETIES**

Ciobanu A.

**STUDY REGARDING THE DETECTED LEAD RESIDUES IN HONEY IN  
CORELATION WITH THE SAMPLING AREA**

Codreanu Iuliana

**STUDY REGARDING THE SANITARY-VETERINARY CONTROL OF THE  
CATTLE CARCASSES WITHIN S.C. SIMONA S.R.L. SLAUGHTERHOUSE OF  
BALȘ**

Colă Florica, Colă M., Găvan C.

**STUDY ON THE ESTABLISHMENT OF A FLOURISHING WITH CIRCULAR  
POOLS IN GORJ COUNTY**

Colă M.

**EFFECT OF BIO-STIMULATOR OF TEAS ON THE DEVELOPMENT OF BEE'S  
FAMILY**

Colă M.

**PRELIMINARY RESEARCH CONCERNING THE ADAPTATIVE CAPACITY  
AND GROWTH FOR DIFFERENT NATIVE AND NON-NATIVE WILLOWS IN  
THE WESTERN PLAIN OF ROMANIA**

Corneanu Mihaela , Hernea Cornelia, Netoiu C., Sarac I. , Posta Daniela Sabina

**THE INTRASPECIFIC VARIABILITY OF THE FOLIAR EPIDERMIC CELLS  
AND OF STOMATA IN *LUZULA SPICATA* (L.) DC POPULATIONS**

Corneanu Mihaela, Corneanu G., Niculescu Mariana, Răduțoiu D., Bercu Rodica

**RESEARCH REGARDING THE PRESENCE OF LISTERIA SPECIES IN MILK  
FOOD PRODUCTS**

Colă Florica, Colă M.

**THE QUALITY OF WHEAT FLOUR UNDER THE INFLUENCE OF NITROGEN  
AND PHOSPHORUS DOSES**

Dodocioiu Ana Maria, Matei Gh., Capruciu Ramona

**RESEARCHES ON ONION AND GARLIC WEED CONTROL**

Dobre M., Osiceanu M., Popescu C., Susinski M., Salceanu C., Patru F.

**THE INFLUENCE OF AN INDUSTRIAL SLAG ON THE MACROELEMENTS  
CONTENT IN THE SOIL**

Gament Eugenia, Marinescu Mariana, Carabulea Vera, Plopeanu Georgiana, Anger Ildiko

**SUSTAINABLE MANAGEMENT OF SOIL RESOURCES IN BRĂILEI PLAIN**

Georgescu E., Nicoleta Balaban, Gianina Merișanu

**BRIEF PRESENTATION OF THE ORDER NO. 344/708/2004 OF THE MINISTRY OF ENVIRONMENT AND WATER MANAGEMENT AND THE MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT TO APPLY SEWAGE SLUDGE ON A STAGNIC PRELUVOSOL**

Greco Florina, Meilă D., Popescu C.

**THE OPTIMIZATION OF THE FORMULATION AND PRODUCTION BY EXTRUSION-SPHERONIZATION OF INERT PELLETS BASED ON MICROCRYSTALLINE CELULOSE AND LACTOSE**

Hîrjău M., Alina Ortan, Alexandru C., Cristina Elena Dinu Pîrvu

**EXPERIMENTS UPON MUTAGENIC EFFICIENCY OF SOME X RAYS DOSES TO GROUNDNUT CROP**

Iancu Paula, Soare M., Bonciu Elena

**SEVERAL ISSUES REGARDING THE CONSERVATION AND PROTECTION OF VULNERABLE PSAMMOPHYLOUS SPECIES POLYGONUM MARITIMUM L. AND SILENE THYMIFOLIA SIBTH. ET SM. AT THE ROMANIAN BLACK SEA COAST**

Jianu, L. D., Făgăraș M.M.

**STUDY ON ACCELERATED SHELF-LIFE TESTING OF UHT COW MILK**

Lazăr Corina Daniela, Găvan C., Motorga V.

**RESEARCH REGARDING THE BEHAVIOR OF SOME RAPE HYBRIDS CULTIVATED IN CARACAL PLAIN**

Matei Gh., Petrescu E., Băbeanu Cristina, Dodocioiu Ana Maria

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**STUDY ON PRODUCTIVE FEATURES OF SWEET SORGHUM HYBRIDS GROWN IN SOUTH WEST OF ROMANIA**

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**CLIMATE IMPACT ON AROMATIC COMPOUNDS OF SAUVIGNON BLANC WINE**

Marković N., Pržić Z., Tešević V., Mutavdžić D., Vuković A., Vujadinović M., Ruml M.

**OSMOLARITY AND APOPTOSIS IN IVF BOVINE EMBRYOS**

Milovanov Cornelia, Călin Mircu, Mirela Ahmadi, Camelia Tulcan, Isidora Radulov, Irina Patraș, Huțu I.

**THE PRESENCE OF THE *ROSA CANINA* IN DIFFERENT PLANT COMMUNITIES IN ROMANIA**

Niculescu Mariana, Soare Rodica, Soare M., Bonea Dorina

**THE GRASSLAND NATURA 2000 HABITATS FOUND IN BĂIȚA-CRĂCIUNEȘTI QUARRY AND THE SURROUNDINGS, HUNEDOARA COUNTY**

Niculescu Mariana, Făgăraș M., Bușe-Dragomir Luminița

**VERTOSOILS AND VERTIC SOILS FROM OLTENIA AND THEIR MAIN CROPPING FEATURES**

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**PHYSICAL AND CHEMICAL CHARACTERIZATION OF MAIN SOILS FROM NORTH WEST PART OF DOLJ DISTRICT**

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**INTERACTIONS BETWEEN THE SOWING DATES, PLANT DENSITY AND THE YIELD FOR THE SUNFLOWER AND CORN CROPS**

Popescu C.V., Bora C.

**STUDY CONCERNING THE LEVEL OF NITRATES CONCENTRATION IN SOME VEGETAL PRODUCTS SOLD IN CRAIOVA**

Rosculete Elena, Soare Rodica, Rosculete C.A.

**NAFLD IN WISTAR RATS AFTER FRUCTOSE CONSUMPTION - ULTRASOUND, BIOCHEMICAL AND HISTOLOGICAL CHANGES**

Sandeva G., Sandeva R., Tsoneva V., Nancheva-Koleva K., Galabova M.

**THE INFLUENCE OF FOOD ADDITIVES (COLORANTS AND SWEETENERS) ON CONCENTRATIONS OF NICOTINAMIDE ADENINE DINUCLEOTIDES OF A NATURAL ORANGE JUICE**

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**STUDY OF THE INFLUENCE OF METHODS OF SOIL TILLAGE ON PEA YIELD, IN CLIMATIC CONDITIONS AT THE ARDS VALUL LUI TRAIAN**

Simionescu Violeta, Tanc Monica, Rusu Marioara, Bulica I., Plesoianu Daniela

**THE INFLUENCE OF THE HYBRID ON EARLY TOMATOES PRODUCTION**

Soare Rodica, Dinu Maria, Babeanu Cristina, Rosculete Elena

**WHEAT RESPONSE TO ORGANIC AND MINERAL FERTILIZATION, IN LONG-TERM EXPERIMENTS WITH FERTILIZERS AT THE SCDA VALU LUI TRAIAN**

Tanc Monica, Simionescu Violeta, Rusu Marioara, Bulica Ion

**RESEARCHES REGARDING THE GROWING CAPACITY AND FEED CONVERTING CAPACITY IN MEAT PRODUCTION AT ROMANIAN CATTLE BREEDS**

Vidu Livia, Băcilă V., Udriou Nicoleta-Alina, Vladu M.

**STUDIES REGARDING THE FRAUDULENT PRACTICES AND OTHER NONCONFORMITIES ENCOUNTERED IN THE WINES MARKETED IN DOLJ COUNTY DURING THE PERIOD 2006-2014**

Vladu Cristina Emanuela

## **SECTION 2**

### **HORTICULTURE AND FOOD SCIENCE**

Vegetable Growing; Fruit Growing; Viticulture; Oenology; Floriculture; Ornamental arboriculture; Design and landscape architecture; Biotechnology; Technologies of the agro food products processing; Engineering and food security

**Moderators:**     **Prof. BACIU AURELIAN ADRIAN PhD.**  
                          **Assoc. Prof. TUȚULESCU FELICIA PhD**

**Secretary:**       **Lecturer GRUIA MARIUS PhD.**  
                          **Lecturer FELICIA STOICA PhD**



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**STUDY OF QUALITATIVE AND QUANTITATIVE CHARACTERS OF TOMATO VARIETY ARGES 11**

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**THE INFLUENCE OF CLIMATE CONDITIONS ON THE MICROCLIMATE CREATED BY THE EGGPLANT CROP PROTECTION AND THE IMPACT UPON THE PRODUCTION**

Elena Ciuciuc

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**THE CULTURE OF PEACH ON THE PSALMOBASES IN THE CLIMATIC CONDITIONS OF THE SOUTHERN OLTENIA**

Andreea Ionela Dămureanu, Baciu A. A.

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**RESEARCH ON MONITORING GRAPE JUICE FERMENTATION QUALITY PARAMETERS IN ORDER TO OBTAIN TYPICAL AUTHENTIC WINES**

Dobrei Alina Georgeta, Dobrei A., Nistor Eleonora, Cristea T., Coradini Renato, Drăgunescu Anca

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**CLASIFFICATION OF VINEGAR BLENDED WITH DIFFERENT WOOD ESSENCES BY SPECTROSCOPY METHOD**

Giurgiulescu L., Qian Lu, Cadar Adina, Vagelas I., Gougoulas N., Sugar I.R.

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**A GRAPHICAL DESIGN STUDY OF THE WINE LABEL AS UNIQUE THROUGH DIVERSITY**

Irimescu L., Giugea N., Mărăcineanu L.C.

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**STUDY ON THE BEHAVIOUR OF *BELAMCANDA CHINENSIS* L. DC. SPECIES, IN ORDER TO DIVERSIFY THE FLOWERING GEOPHYTES ASSORTMENT**

Manda Manuela, Nicu Carmen

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**STUDY REGARDING THE MEASUREMENT OF CARROTS ANISOTROPY**

Paduret Sergiu , Gutt Gheorghe

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**EFFICIENCY OF FRUITLET THINNING APPLE „GOLDEN REINDERS” BY USE NAD AND ETHIPHON**

Pesteanu Ananie

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**PROPOSED DEVELOPMENT DIRECTIONS IN ORGANIC GRAPE PRODUCTION IN ROMANIA**

Băneş A., Orboi Manuela Dora, Stanciu S., Iancu T.

17<sup>00</sup>-17<sup>15</sup>

**STUDY REGARDING THE HEAVY METAL CONTAMINATION OF SOME NATURAL MINERAL WATERS IN AN ORE EXPLOITATION ZONE IN ROMANIA**

Sidor Anca-Mihaela

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**A STUDY ON THE USE OF CENTRIFUGAL FANS WITH CERAMIC ELEMENTS IN DRYER COLUMN**

Şugar I.R., Banica M, Butnar L., Giurgiulescu L.



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**ŞTEFĂNEŞTI 24 NEW TOMATO VARIETY WITH INDETERMINATE GROWTH AND INCREASED BIOLOGICAL RESISTANCE, OBTAINED FROM INCDBH ŞTEFĂNEŞTI**

Badulescu Adriana, Tiţa Ion

**STUDY ON THE INFLUENCE OF SOME SUMMER PRUNING TREATMENTS ON MISKET KAYLASHKI VARIETY GRAPES AND WINE QUANTITY AND QUALITY**

Belberova Yordanka, Yoncheva Tatyana, Haygarov Vanyo

**MODERN TECHNOLOGIES FOR FOOD PROCESSING**

Bonciu Elena, Iancu Paula, Păniță O.

**STUDY ON FOOD OILS OBTAINED BY PRESSING AND REFINING**

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**ANALYSIS OF THE BIOTECHNOLOGICAL FAULTS OF CERTAIN BREADS**

Căpruciu Ramona, Costea D.C.

**AMPELOGRAPHIC AND AMPELOMETRIC DESCRIPTORS OF OLTEAN GRAPEVINE VARIETY**

Cichi Daniela Doloris, Popa Camelia, Costea D.C.

**PEAR'S ROOT SYSTEM GROWTH AND LOCATION ON THE INFLUENCE OF MAINTENANCE SYSTEM IN OLTENIA'S SOILS**

Cichi M.

**HEAVY METAL DISTRIBUTION IN DIFFERENT TYPE OF FOOD PACKAGING PAPER**

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**THE INFLUENCE OF THE VARIATION OF CLIMATE CONDITIONS OVER THE GROWTH AND FRUIT BEARING OF CABERNET SAUVIGNON VARIETY**

Costea D. C., Căpruciu Ramona, Cichi Daniela Doloris

**SOLANUM LYCOPERSICUM VAR. CERASIFORME: HARMONY AND BEAUTY**

Maria Dinu, Rodica Soare, Dorina Bonea

**RESEARCH ON BEHAVIOUR OF WINE GRAPES CULTIVARS IN TWO DIFFERENT MICROCLIMATES AREAS FROM MINIȘ - MĂDERAT VITICULTURAL AREA**

Dobrei Alina Georgeta, Dobrei A., Nistor Eleonora, Camen D., Coradini Renato, Drăgunescu Anca

**STUDIES ON AGROBIOLOGIC AND TECHNICAL CHARACTERISTICS OF CERTAIN CLONES OF WHITE FETEASCĂ ACQUIRED IN ȘTEFĂNEȘTI - ARGEȘ VINEYARD**

Giugea N., Popa Camelia, Maracineanu L.

**COMPARATIVE STUDY REGARDING THE CHEMICAL COMPOSITION OF SPARKLING WINES OBTAINED BY DIFFERENT METHODS**

Giurgulescu L., Daraban Mariana, Stoica Felicia, Banică M.

**THE BEHAVIOUR OF SOME PECH HYBRIDS BELONGING TO THE GERMOPLASM WORLD COLLECTION IN PEDOCLIMATIC CONDITIONS OF TIMIȘOARA AREA, CONCERNING FRUITS QUALITY**

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**STUDIES IN THE AESTHETICS OF THE WINE LABEL SYMBOLISM**

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**THE USE OF ENZYMES MACERATION IN THE TECHNOLOGY OF AROMATIC WHITE WINES**

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**GARANT – NEW TABLE GRAPES INTERSPECIES VARIETY**

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**MINIATURE LANDSCAPES**

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**ACTION OF NATURAL ANTIOXIDANTS ON THE OXIDATION OF FAT IN RAW-DRIED MEAT PRODUCTS**

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**THE MAIN CONSTITUENTS OF RED WINES THAT DEFINE THE LEVEL OF QUALITY AND NATURALNESS**

Muntean Camelia, Stoica Felicia, Băducă C.

**STUDIES AND RESEARCH ON ESTABLISHING THE LENGTH OF ORNAMENTAL ATTRIBUTES IN VEGETABLE SPECIES CULTIVATED ON GREEN WALLS**

Marinescu-Duca Mihaela, Neata Gabriela, Atanasiu N., Campeanu Gh.

**SELECTION OF VALUABLE GENOTYPES OF *ROSA CANINA* L. IN THE EASTERN AREA OF CRAIOVA**

Mîndrilă Gheorghîța, Bonea Dorina, Botu M.

**DEVELOPMENT AND STABILITY STUDY OF VITAMIN D FORTIFIED ORANGE JUICE**

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**AMPELOGRAPHIC CHARACTERISTICS OF CANDIDATE-CLONE MUSCAT OTTONEL ILV 7-46**

Nakov Zdravko, Simeonov Iliyan, Ivanov Miroslav

**RESEARCH ON THE INFLUENCE ON FRUIT QUALITY ASSORTMENT CORNICHON CUCUMBERS IN SOLARIUM**

Neață Gabriela, Hoza Gheorghîța, Teodorescu R., Câmpeanu Gh., Petcuci A.C., Basarabă A., Popescu D.D.

**EFFECT OF PLANT GROWTH RETARDANTS ON VEGETATIVE GROWTH OF CHINESE *HIBISCUS* PLANTS**

Nicu Carmen, Manda Manuela

**BIOMETRICAL INDICATORS OF GRAFTED ROOTED VINES AFTER TREATMENT OF THE NURSERY WITH STOMP 33 EC AND WING P**

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**THE INFLUENCE OF CLIMATIC CONDITIONS IN THE AGRICULTURAL YEAR 2013-2014 ON THE STATE OF VEGETATION IN SOME VARIETIES OF VINES WITH GRAPES PLANTATIONS IN SOUTHERN OLTENIA**

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**ROLE OF METHOD VALIDATION IN ACCURATE EVALUATION OF FOOD QUALITY**

Poenaru Magdalena, Iacobescu F., Săvescu P.

**RESEARCHES ON CHEMICAL COMPOSITION AND SENSORY OF NATURAL FRUIT DISTILLATES**

Stoica Felicia, Băducă C., Muntean Camelia, Giurgiulescu L.

**COMPARATIVE STUDY BETWEEN CHEMICAL COMPOSITION OF ITALIAN RIESLING AND HYBRIDE WINE FROM NW OF ROMANIA**

Şugar I.R., Deszi Evelyn, Giurgiulescu L., Banică M.

**STUDY ON SOME MAIN PHYSIOLOGICAL PROCESSES APPLE VARIETIES, DEPENDING ON THE SHAPE OF CROWNS**

Tarasescu Florina, Baciş Adrian Aurelian, Alecu Anca, Preda Silvia

**SOME ASPECTS CONCERNING THE PRODUCTION OF *HIBISCUS ROSA-SINENSIS* L. ROOTED CUTTINGS**

Toma F., Georgescu Mihaela Ioana , Petra Sorina

**RESEARCH ON THE INFLUENCE OF THE DEGREE DEHYDRATION OF CUTTINGS AND TYPE OF SUBSTRATE UPON THE ROOTING OF CUTTINGS ON *CRASSULA OVATA* MILL.**

Toma F., Georgescu Mihaela Ioana, Petra Sorina

**THE EFFECT OF THE IRRIGATION REGIME ON YIELD AND THE ECONOMIC INDICATORS OF VINE PROPAGATION MATERIAL PRODUCTION**

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**THE IMPACT OF CLIMATIC CONDITIONS ON SOME PHYSIOLOGICAL PROCESSES AT FOUR CHERRY VARIETIES GRAFTED ON LOW VIGOR ROOTSTOCKS**

Vasile N. I., Dumitru Mihaela Gabriela , Baciş A. A.

### SECTION 3

## BIOLOGY, PLANT AND ENVIRONMENTAL PROTECTION

Genetics; Botany; Plant physiology; Animal physiology; Biochemistry; Phytopathology; Entomology; Microbiology; Ecology; Biophysics and Agro-meteorology; Plant breeding; Engineering and Environmental Protection; Climate change

**Moderators: Prof. DANIELA POPA, PhD.**  
**Prof. Assoc. CIUPEANU CĂLUGĂRU DANIELA, PhD.**

**Secretary: Lecturer DIANA GILDA BUZATU, PhD**  
**Lecturer ȚUCĂ OVIDIU, PhD.**



### ORAL PRESENTATIONS

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Bălescu Carmen Daniela

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Buzea Eleni, Petrescu Florian, Nănuș Loredana, Nan Cătălina, Neașă Marin

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**THE BIOLOGY OF VASCULAR RESISTANCE DETERMINATION WITH DOPPLER ULTRASOUND IN CANINES WITH CHRONIC RENAL FAILURE**

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**EVOLUTION OF FERTILIZERS CONSUMPTION AND PRODUCTIONS OF THE MAIN CROPS IN THE OLT COUNTY**

Dodocioiu Ana Maria, Matei Gh.

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**VARIABILITY OF *MATRICARIA INODORA* L. FLOWERS AND FRUITS**

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**TRACEABILITY OF SELENIUM IN ANTHROPOGENIC ECOSYSTEMS IN RELATION TO AIR-WATER-SOIL-PLANTS-ANIMALS-FOOD-MAN**

Ionita L., Ionita Carmen, Grigore Alice, Gajaila Gabriel, Lazar Daniel

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**CONSIDERATION ON CLIMATIC EVOLUTIONS IN THE SOUTH-WEST OF ROMANIA DURING THE SPRING OF 2015**

Marinică I., Vătămanu V.V.

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**PARTIAL DATA REGARDING THE INVENTORY OF HARMFUL AGENTS FROM OTASAU RIVER BASIN (I)**

Mitrea I., Fota N.C.

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**THE EVALUATION OF THE FETAL CARDIAC ANATOMY IN THE SECOND TRIMESTER OF PREGNANCY**

Olimid Diana

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**THE ROLE OF ANTIOXIDANTS IN SLOWING AGING OF SKIN IN A HUMAN**

Petrescu Florian, Buzea Eleni, Nănuș Loredana, Neacșa Marin, Nan Cătălina

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**ASPECTS TO KNOWLEDGE OF EXISTING INVERTEBRATES FAUNA IN CORN CULTURES**

Andrici C., Tălmaciu M., Nela Tălmaciu, Monica Herea

**STRUCTURE, DYNAMICS AND ABUNDANCE OF COLLECTED BEETLES IN CORN CULTURES**

Andrici C., Tălmaciu M., Nela Tălmaciu, Monica Herea

**CONTRIBUTION TO THE STUDY OF THE SPATIAL DISTRIBUTION OF OPILIONES (ARACHNIDA) FROM BUCOVĂȚ FOREST (SW ROMANIA)**

Babalean Anda Felicia, Babalean Aurel, Ștefănescu Dragos Mihail

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Băneș A., Orboi Manuela Dora

**ANALYSIS OF THE COMMUNICATION MESSAGES FROM THE GREENWASHING PERSPECTIVE**

Buzatu Gilda-Diana

**THE FIRST DETECTION OF FRUIT FLY *ZAPRIONUS TUBERCULATUS MALLOCH* (DIPTERA: DROSOPHILIDAE) IN THE EASTERN PART OF EUROPE (ROMANIA)**

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**ANTHROPOGENIC ACTIVITIES AND THEIR IMPACT ON FISH SPECIES OF NATIONAL/COMMUNITY INTEREST IN THE PROTECTED AREA NORDUL GORJULUI DE VEST**

Ciupeanu Călușăru Eleonora Daniela, Vlădulescu Carmen, Olaru Luminița

**BIOLOGICAL EVALUATION OF RENAL VASCULAR INDICES IN DEHYDRATED CANINES BEFORE AND AFTER REHYDRATION**

Constantinescu R., Goran Gh. V., Alexa Ioana Mihaela, Iuliana Codreanu, Codreanu M.D.

**VERTISOILS - SPECIFIC SOILS OF OLT COUNTY**

Dodocioiu Ana Maria, Buzatu Gilda - Diana

**RESEARCH AND MANAGEMENT OF RIPARIAN FOREST OF RICHIOS RIVER (MACEDONIAN TEMPI), N. GREECE**

Efthimiou Georgios, Goudelis Gerasimos, Theodosiou Georgios

**THE ECOLOGICAL ASSESSMENT OF RIPARIAN ECOSYSTEMS OF PINIOS RIVER IN TRIKALA'S PREFECTURE, CENTRAL GREECE**

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**EFFECTS OF BIOGAS PRODUCTION LIQUID WASTE ON THE CHEMICAL PROPERTIES OF SOIL MIXTURE WITH MANURE**

Gougoulias N., Kalfountzos D., Kantas D., Vyrlas P., Papachatzis A.

**EVALUATION OF CERTAIN QUALITATIVE AND QUANTITATIVE CHARACTERISTICS OF HYDROPONIC TOMATO GROWN TO A GEOTHERMAL AND A CONVENTIONAL GREENHOUSE**

Gougoulias N., Papachatzis A., Vyrlas P., Kalfountzos D., Anastasia Karaboula

**EFFECT OF DIFFERENT CULTIVATION PRACTICES ON SOIL ORGANIC MATTER AND ON YIELD OF ENERGY CROPS, UNDER THE**

**ENVIRONMENTAL CONDITIONS OF THESSALY REGION (PRELIMINARY RESULTS)**

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Goula Ioanna-Maria, Gougoulias N., Kavalaris C., Gemtos T., Pateras D., Chouliaras N.

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**CHANGES OF ERYTHROCYTES PARAMETERS IN TURKEYS IN DIFFERENT FARMING SYSTEMS**

Ionita Carmen, Bogdan Cristina, Gajaila Iuliana, Gajaila G., Grigore Alice

**EFFECT OF A SYNTHETIC IMMUNOMODULATOR ON PHAGOCYTOSIS IN SHEEP NEUTROPHILS**

Ionita L., Gajaila G., Gajaila Iuliana, Ionita Carmen, Tanase A,

**RESEARCH ON VARIATION IN HEMATOLOGICAL PARAMETERS IN SHEEP METIS (TSIGAIÉ X AWASI) FROM BACAU ECOZONE FOLLOWING TREATMENT WITH AN IMMUNOMODULATORY PHYTOEXTRACT**

Lazar D., Ionita Carmen, Grigore Alice, Gajaila Iuliana, Ionita L.

**MODIFICATION OF SOME ENVIRONMENTAL FACTORS UNDER THE INFLUENCE OF VEGETABLE CROPS USED FOR ORNAMENTAL GREEN WALLS IN BUCHAREST**

Marinescu-Duca Mihaela, Neata Gabriela, Atanasiu N., Campeanu Gh.

**OBSERVATIONS REGARDING THE AGRONOMICAL VALUE AND THE USE OF WINTER WHEAT CULTIVARS IN SOUTHERN MUNTENIA'S ECOSYSTEMS**

Neagu Frăsin Loredana Beatrice

**RESEARCHES ON THE BEHAVIOR OF SOME TRITICALE CULTIVARS IN RELATION TO DISEASES AND PESTS IN DÂMBOVIȚA'S ECOSYSTEMS**

Neagu Frăsin Loredana Beatrice, Niculae Dincă

**PHYSIOLOGICAL CHANGES IN *VITIS VINIFERA* L. DUE TO THE ATTACK PRODUCED BY *PLASMOPARA VITICOLA* (BERK. & CURT.) BERL. & DE TONI**

Nicolae I., Bușe Dragomir Luminița

**THE DYNAMICS OF ANTIBODIES TO *HELICOBACTER PYLORI* AT PATIENTS TESTED IN 2014 IN THE MEDICAL ANALYSIS LABORATORY EUROMEDICA, CRAIOVA**

Olaru Luminița Mariana, Ciupeanu Călugăru Eleonora Daniela

**THE ULTRASOUND EXAMINATION OF THE GREAT VESSELS OF THE FETAL HEART**

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**INFLUENCE OF ABIOTIC FACTORS ON BIOLOGICAL CONTROL ABILITY OF DIFFERENT *TRICHODERMA* SPP. STRAINS**

Paica A., Cristina Petrisor, Constantinescu F.

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Paunescu Costica

**THE ECOLOGICAL STATUS EVALUATION FOR THE WATER BODIES IN JIU MIDDLE RIVER BASIN**

Paunescu Costica

**INFLUENCE OF HARVEST TIME UPON THE PRODUCTION AND ITS QUALITY AT CORNICHON CUCUMBERS CULTIVATED IN PLASTIC HOUSES**

Petcuci A. C., Atanasiu N., Neață Gabriela, Câmpeanu Gh.

**CHANGES IN THE LANDSCAPE OF N SIRET BASIN PRODUCED BY THE FLOOD OF 2008**

Pleșoianu Daniela, Simionescu Violeta

**EFFECTS OF SILT TRANSIT TROTUȘ BASIN DURING FLOODS IN 1991**

Pleșoianu Daniela

**QUALITATIVE ASPECTS OF JIU RIVER'S WATER IN THE SECTION DOWNSTREAM OF THE MINING AREA ROVINARI – GORJ COUNTY**

Popa Daniela, Prunișoară (Șchiopu) Cristina

**STUDY REGARDING THE PROVISION OF HUMIDITY AND TEMPERATURE DEMANDS FOR THE ON-TIME SEEDING OF RAPSEED**

Simionescu Violeta, Tanc Monica, Rusu Marioara, Baduca-Campeanu C.

**ANALYSIS OF THE EVOLUTION OF VEGETATION FACTORS IN RELATION TO THE REQUIREMENTS OF COTTON IN THE CONTEXT OF CLIMATE CHANGE**

Simionescu Violeta, Tanc Monica, Rusu Marioara, Baduca-Campeanu C.

**BENEFICIAL ENTOMOFAUNA FROM THE VEGETABLE CROPS AT THE S.D. BANU MĂRĂCINE**

Stan C., Țucă O. A.

**STUDY ON THE BEHAVIOR OF DIFFERENT CULTIVARS OF CABBAGE CROP IN FIELD**

Prunișoară (Șchiopu) Cristina, Popa Daniela, Neață Gabriela

**COMPLICATION ASSOCIATED TO TRIPLE PELVIC OSTEOTOMY**

Tanase A., Mocanu Jacqueline, Ionita L., Muste A., Muste M.

**THE ORIGINAL METHOD TO OPTIMIZE OF OSTEOSYNTHESIS TECHNIQUE IN THE SECANT ARCH ASSOCIATED**

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**RESEARCH REGARDING THE DOMINANCE OF SOME THREATENED SPECIES OF LEPIDOPTERA IN THE SITE NORDUL GORJULUI DE VEST DURING 2013 - 2014**

Țucă O.A., Stan C.

**RESEARCH REGARDING THE DOMINANCE OF SOME BAT SPECIES OF COMMUNITY IMPORTANCE IN THE SITE NORDUL GORJULUI DE VEST DURING 2013 - 2014**

Vlădulescu Carmen, Ciupeanu Călugăru Eleonora Daniela, Olaru Luminița

**A RESEARCH ON THE QUANTITIES OF O<sub>2</sub> INVOLVED IN THE METABOLIC PROCESSES OF ACETIC BACTERIA, IN A WHITE WINE, WITH AN ALCOHOLIC CONCENTRATION OF 10.5 VOL%**

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## SECTION 4

### MANAGEMENT, MECANIZATHION OF AGRICULTURE, CADASTRE, AGROTOURISM

Economic Sciences with application in agriculture; Machinery, installations and agricultural equipment; Constructions agricultural, horticultural and forestry; Irrigation systems and equipment; Transport; Measurements land and cadastre; Land Improvement; Sustainable development, Agrotourism

**Moderators:** Prof. ALEXANDRU TUDOR PhD.  
Prof. CĂLINA AUREL PhD.

**Secretary:** Lecturer MILUȚ MARIUS PhD.  
Lecturer DRAGOȘ MIHAI MEDELETE PhD



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Alexandru Tudor, Vasile Cristian, Glodeanu Mihnea, Ganea Ioan

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