



**UNIVERSITY OF PITESTI  
FACULTY OF SCIENCES,  
PHYSICAL EDUCATION AND INFORMATICS**



*International Symposium*  
**Current Trends in Natural Sciences**  
*Program*

April 19-21, 2018



**PITESTI CITY HALL**



**ASOCIAȚIA ROMÂNĂ DE  
PTERIDOLOGIE**



**International partners:**

The State Agrarian University,  
Republic of Moldova



Atatürk University,  
Erzurum, Turkey



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Yanik TELAT – Agri Ibrahim Cecen University, Turkey  
Asea TIMUŞ - The State Agrarian University of Moldova  
Alina Mihaela TRUTA - University of Pitesti

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**Workshop: Challenges and Perspectives in the Knowledge of  
Human Biology**

Organizing Committee (alphabetical order):

Alina PAUNESCU - University Of Pitesti  
Cristina Maria PONEPAL - University Of Pitesti

**Workshop: *Increasing the institutional bioeconomic  
research capacity for innovative exploitation of local plant  
resources to obtain horticultural products with high added  
value* – BIOHORTINOV (PN-III-P1-1.2-PCCDI-2017-  
0332) – the first meeting of the consortium**

Organizing Committee:

Liliana Cristina SOARE - University Of Pitesti

**The exhibition “The Tulip’s Symphony”**

Organizing Committee (alphabetical order):

Denisa CONETE - University Of Pitesti  
Codruta Mihaela DOBRESU - University Of Pitesti  
Leonard Magdalin DOROBAT - University Of Pitesti  
Monica NEBLEA - University Of Pitesti  
Mihaela OPREA - University Of Pitesti  
Florina ULEANU - University Of Pitesti

## **PROGRAM**

### **THURSDAY – April 19<sup>th</sup>, 2018**

10 <sup>00</sup> – 12 <sup>00</sup>	REGISTRATION OF PARTICIPANTS
12 <sup>00</sup> – 12 <sup>30</sup>	OPENING CEREMONY
12 <sup>30</sup> – 14 <sup>00</sup>	PLENARY SESSION
14 <sup>00</sup> – 14 <sup>30</sup>	COFFEE BREAK
14 <sup>30</sup> – 17 <sup>00</sup>	SESSIONS
17 <sup>00</sup> – 18 <sup>30</sup>	POSTER PRESENTATIONS
19 <sup>00</sup>	FESTIVE DINNER

### **FRIDAY – April 20<sup>th</sup>, 2018**

12 <sup>00</sup>	Workshop: Increasing the institutional bioeconomic research capacity for innovative exploitation of local plant resources to obtain horticultural products with high added value – BIOHORTINOV (PN-III-P1-1.2-PCCDI-2017-0332) – the first meeting of the consortium
13 <sup>00</sup> – 18 <sup>00</sup>	VISIT THE EXHIBITION „THE TULIP’S SYMPHONY”

### **SATURDAY – April 21<sup>th</sup>, 2018**

9 <sup>00</sup>	Social and cultural program
10 <sup>00</sup>	Workshop: Challenges and Perspectives in the Knowledge of Human Biology

**PLENARY SESSION - ORAL PRESENTATION**

**(1) JEWELS OF THE SPONTANEUS FLORA FROM ROMANIA. ORCHIDS.**

(In romanian: **NESTEMATE ALE FLOREI SPONTANE DIN ROMÂNIA-ORHIDEELE**) author Ana TOMESCU

Preface by *Ion SCURTU* -The Academy for Agricultural and Forestry Sciences – Horticulture Section, Bucharest, Romania

**(2) ENRICHMENT OF ACTIVATED SLUDGE IN AMMONIA OXIDIZING BACTERIA FOR A MORE EFFICIENT NITRIFICATION**

*Cristina MOISESCU<sup>1</sup>, Marinela CÎRNU<sup>1</sup>, Ioan ARDELEAN<sup>1\*</sup>*

<sup>1</sup> Institute of Biology, Bucharest, Romanian Academy

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**(3) CONSTRUCTED WETLAND TECHNOLOGY FOR DOMESTIC WASTEWATER TREATMENT**

*Zeki GOKALP<sup>1\*</sup>, Ismail TAS<sup>2</sup>*

<sup>1</sup> Erciyes University, Agricultural Faculty, Biosystems Engineering Department, Kasyeri, Turkey

<sup>2</sup> Canakkale Onsekiz Mart University, Agricultural Faculty, Agricultural Structures and Irrigation Department, Çanakkale, Turkey

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**(4) LUNARIA A NEW AND PERSPECTIVE HORTICULTURE SPECIES**

*Olena BOIKA<sup>1\*</sup>*

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**(5) A NOVEL AND INTEGRATED APPROACH TO INCREASE MULTIPLE AND COMBINED STRESS TOLERANCE IN PLANTS USING TOMATO AS A MODEL**

**Marian BOGOESCU<sup>1</sup>\*, Victor LACATUS<sup>2</sup>,  
Lucian DUMITRESCU<sup>2</sup>, Marian VINTILA<sup>2</sup>**

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<sup>2</sup> The Research and Development Institute for Industrialization and Marketing of Horticultural Products, Bucharest, Romania

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**(6) ONE HUNDRED YEAR OF PTERIDOLOGY IN ROMANIA**

**Liliana Cristina SOARE<sup>1</sup>\***

<sup>1</sup> University of Pitești, Faculty of Sciences, Physical Education and Informatics, Department of Natural Sciences

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**SESSION 1 - ORAL PRESENTATION**

**(1) CARIOBIOTHERAPY – BOTANIC REMEDIES AND DIETARY SUPPLEMENTS**

**Adrian TASE<sup>1,2</sup>\***

<sup>1</sup> University of Pitesti

<sup>2</sup> Emergency Arges County Hospital Pitesti, Romania

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**(2) THE GEOPOLITICAL SIGNIFICANCE AND PROBABLE REGIONAL AND ECONOMIC EFFECTS OF THE CANAL ISTANBUL PROJECT**

**Cengiz KAHRAMAN<sup>1</sup>\***

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### **(3) VARIATION OF ACTUAL MORPHOLOGICAL CHARACTERS OF WINTER WHEAT**

**Nicolaie IONESCU<sup>1\*</sup>**

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### **(4) INSECTS FROM M. EMINESCU'S POETIC WORK**

**Asea M. Timuș<sup>1\*</sup>**

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### **(5) CLIMATE SHIFTS AND EMERGING TECHNOLOGIES FOR SUSTAINABLE CROP PRODUCTION**

**Mukhtar Ahmad<sup>1\*</sup>, Mahmood-ul-Hassan<sup>2</sup>**

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<sup>2</sup> Principal Scientist, Group Leader (Edible and Industrial Oil Crops), Nuclear Institute for Agriculture and Biology, Faisalabad, Pakistan

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### **(6) THE DIVERSITY OF INDIGENOUS VS. ALIEN PLANT SPECIES IN BUCHAREST**

**Marilena ONETE<sup>1\*</sup>, J. Owen MOUNTFORD<sup>2</sup>,  
Minodora MANU<sup>1</sup>, Roxana NICOARA<sup>1</sup>**

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### **(7) ANALYSIS OF LEAVES USING FTIR SPECTROSCOPY AND PRINCIPAL COMPONENT ANALYSIS DISCRIMINATION OF DIFFERENT PLANT SAMPLES**

**Carmen Mihaela TOPALA<sup>1</sup>, Ionela RUSEA<sup>1\*</sup>**

<sup>1</sup> University of Pitesti

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**(8) EFFECT OF DIETARY BENTONITE ON RAINBOW TROUT (ONCORHYNCHUS MYKISS) GROWTH PARAMETER**

*Arzu UÇAR*<sup>1\*</sup>, *Gonca ALAK*<sup>1</sup>, *Veysel PARLAK*<sup>1</sup>, *Ahmet TOPAL*<sup>2</sup>, *Özden FAKIOĞLU*<sup>2</sup>, *Esat Mahmut KOCAMAN*<sup>1</sup>, *Muhammed ATAMANALP*<sup>1</sup>, *Telat YANIK*<sup>1</sup>

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**(9) MONITORING THE STURGEON BEHAVIOUR ON LOWER DANUBE. CASE STUDY: THE SECTOR BETWEEN KM 200 – 182**

*Tiberius Marcel DANALACHE*<sup>1,2\*</sup>, *Carmen Georgeta NICOLAE*<sup>2</sup>, *Alin Marius BADILITA*<sup>1</sup>, *Gyorgy DEAK*<sup>1</sup>, *Marius Constantin RAISCHI*<sup>1,3</sup>, *Elena HOLBAN*<sup>1</sup>, *Ionuț GHEORGHE*<sup>1</sup>, *Alexandru CRISTEA*<sup>1</sup>

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**(10) THE EFFECT OF INCREASING BORON APPLICATIONS ON SOME MICRO NUTRIENT ELEMENTS CONTENTS IN COMMON VETCH (VICIA SATIVA L.) PLANT**

*Yusuf SOLMAZ*<sup>1\*</sup>, *Hazim Serkan TENEKECIER*<sup>1</sup>, *Eyup Erdem TEYKIN*<sup>1</sup>, *Aydin ADILOGLU*<sup>1</sup>

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**(11) SELENIUM SUPPLEMENT AND CSY/MET INDEX IN TARM 92 BARLEY CULTIVAR**

***Semih YILMAZ<sup>1\*</sup>, Ali İrfan İLBAŞ<sup>2</sup>, Aydın UZUN<sup>3</sup>, Hasan PINAR<sup>3</sup>, Svetlana GARAEVA<sup>4</sup>***

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**(12) PEPTIDE DIFFERENCE IN SEEDY AND SEEDLESS LEMON CULTIVARS**

***Aydın UZUN<sup>1</sup>, Semih YILMAZ<sup>2\*</sup>, Servet ÖZCAN<sup>3</sup>, Kahraman GÜRCAN<sup>2</sup>, Hasan PINAR<sup>1</sup>, Osman GÜLŞEN<sup>1</sup>***

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**(13) RESEARCH ON IDENTIFYING, DETECTING AND PREDICTING THE DEFOLIATOR ARCHIPS (CACCOECIA) XYLOSTEANA L.**

***Tatiana BLAGA<sup>1\*</sup>, Vasile SIMONCA<sup>1,2</sup>, Alexandru COLISAR<sup>1</sup>, Cristian MOLDOVAN<sup>2</sup>***

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**(14) THE STATE OF VEGETATION IN STANDS  
ESTABLISHED ON DEGRADED LANDS IN THE HILLY  
AREAS OF TRANSYLVANIA**

**Mircea C. MOLDOVAN<sup>1,3\*</sup>, Liviu C. BOCA<sup>1</sup>,  
Tudor I. LUNGU<sup>1</sup>, Vasile SIMONCA<sup>1,3</sup>, Tatiana BLAGA<sup>2</sup>,  
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**(15) COMPARISON OF SOME QUANTITATIVE  
METABOLIC PARAMETERS IN NEWLY DIAGNOSED  
CANCER PATIENTS**

**Aysun ÇETİN<sup>1</sup>, Semih YILMAZ<sup>1,4\*</sup>, Gökmen ZARARSIZ<sup>2</sup>,  
Mustafa ÇETİN<sup>3</sup>**

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**(16) DIVERSITY OF VERTEBRATE FAUNA FROM  
„PRUTUL DE JOS” RESERVE, REPUBLIC OF MOLDOVA  
Victoria NISTREANU<sup>1\*</sup>, Viorica PALADI<sup>2</sup>, Vladimir TURCAN<sup>1</sup>**

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**(17) CONTROL OF PATHOGENS AND PESTS FROM STANDS LOCATED IN DEGRADED LANDS IN NORTH WEST OF ROMANIA**

*Ioan TAUT<sup>1,2\*</sup>, Mircea C. MOLDOVAN<sup>1,2</sup>, Vasile SIMONCA<sup>1,2</sup>, Alexandru COLIŞAR<sup>2</sup>, Liviu C. BOCA<sup>1</sup>, Tudor I. LUNGU<sup>1</sup>*

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**(18) FOREST TREES IN ROMANIAN TOPONYMY**

*Andra SIMON<sup>1</sup>, Georgiana ARSENE<sup>1</sup>, Emilia VECHIU<sup>2</sup>, Cristian Mihai ENESCU<sup>3\*</sup>*

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**(19) REINFORCEMENT OF THE HYDROGRAPHIC NETWORK USING *ALNUS GLUTINOSA* (BLACK ALDER) WITHIN THE HYDROGRAPHIC WATERSHED OF RÂUL MARE – CUGIR**

*Alexandru COLIŞAR<sup>1\*</sup>, Tatiana BLAGA<sup>2</sup>, Maria Steluţa SÂNGEORZAN<sup>1</sup>, Vasile CEUCA<sup>1</sup>, Ioan TAŢUT<sup>1,2</sup>, Vasile ŞIMONCA<sup>1,2</sup>*

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**(20) DETERMINATION OF INCREASE LOSSES IN OAK STANDS AFFECTED BY DECLINING PHENOMENA, ACCORDING TO CLIMATIC PARTICULARITIES**

*Vasile ȘIMONCA<sup>1,3\*</sup>, Tatiana BLAGA<sup>2</sup>, Alexandru COLISAR<sup>3</sup>, Cristian MOLDOVAN<sup>1,3</sup>, Ioan TAUT<sup>1,3</sup>*

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**(21) ENVIRONMENT CONSERVATION AND SUSTAINABLE DEVELOPMENT IN COSTA RICA**

*Dragos NECULCE<sup>1\*</sup>, Oscar Pacheco Urpi<sup>2</sup>*

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**(22) STUDY ON THE LOWER DANUBE STURGEON SPECIES IN ORDER TO ELABORATE PROTECTION MEASURES IN ACCORDANCE WITH THE CURRENT NEEDS**

*Alina Marius BADILITA<sup>1\*</sup>, Tiberius DANALACHE<sup>1,2</sup>, Marius RAISCHI<sup>1,3</sup>, Gy Örgy DEÁK<sup>1</sup>, Alexandru CRISTEA<sup>1</sup>, Elena HOLBAN<sup>1</sup>, Stefan ZAMFIR<sup>1,3</sup>, Ionut GHEORGHE<sup>1</sup>, Bogdan URITESCU<sup>1</sup>, Iustina BOAJA (POPESCU)<sup>1</sup>, Daniela STEFAN<sup>1</sup>, Nicolae CARMEN<sup>2</sup>*

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**(23) WITH THE RUCSAC IN THE NATURE OF DÂMBOVIȚA COUNTY****Mihail DUMITRU<sup>1</sup>, Cornelia Mariana SĂVESCU<sup>1\*</sup>**<sup>1</sup> Colegiul Național "Ienăchiță VĂCĂRESCU" Târgoviște, Romania\*corresponding author: [csavescu2006@yahoo.com](mailto:csavescu2006@yahoo.com)**(24) WHAT DO WE KNOW ABOUT RUDERAL FLORA AND VEGETATION IN BULGARIA AND ROMANIA?****Kiril VASSILEV<sup>1</sup>, Marilena ONETE<sup>2\*</sup>, Monica Angela NEBLEA<sup>3</sup>, Constantin MARDARI<sup>4</sup>, Andreea MATEI<sup>3</sup>, Nikolay VELEV<sup>1</sup>, Rayna NATCHEVA<sup>1</sup>, Valeriu ALEXIU<sup>3</sup>, Gicu-Gabriel ARSENE<sup>19</sup>, Mátic ATTILA<sup>10,21</sup>, Birsan CIPRIAN<sup>4</sup>, Anna Mária CSERGŐ<sup>5</sup>, Jürgen DENGLE<sup>6, 7,8</sup>, József Pál FRINK<sup>9</sup>, Dan GAFTA<sup>10</sup>, Stoyan GEORGIEV<sup>11</sup>, Irina GOIA<sup>10</sup>, Galin GOSPODINOV<sup>1</sup>, Borislav GRIGOROV<sup>12</sup>, Media GUMUS<sup>13</sup>, Thomas KUHNTER<sup>10</sup>, Yulian MARINOV<sup>19</sup>, Simona MIHAILESCU<sup>2</sup>, Daniela MOGILDEA<sup>2</sup>, Momchil NAZAROV<sup>13</sup>, Alina NEASCU<sup>19</sup>, Roxana Ion NICOARĂ<sup>2</sup>, Alma NICOLIN<sup>19</sup>, Kinga ÖLLERER<sup>2, 14</sup>, Adrian OPREA<sup>4</sup>, Anamaria ROMAN<sup>16</sup>, Alina ROVINA<sup>20</sup>, Eszter RUPRECHT<sup>10</sup>, Dorottya SÁNDOR<sup>10</sup>, Culiță SÎRBU<sup>15</sup>, Veselin V. SHIVAROV<sup>1</sup>, Daniela I. STANCU<sup>17</sup>, Adrian STOICA<sup>16</sup>, Anna SZABÓ<sup>10</sup>, Cezar-Valentin TOMESCU<sup>18</sup>, Ioana VICOL<sup>2</sup>, Tudor URSU<sup>16</sup>**<sup>1</sup>Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of Sciences, Bulgaria, <sup>2</sup>Institute of Biology Bucharest, Romanian Academy, Romania, <sup>3</sup>University of Pitești, Romania, <sup>4</sup>Anastasie Fătu Botanic Garden, Iași, Romania, <sup>5</sup>School of Natural Sciences, Trinity College Dublin, Ireland, <sup>6</sup>Institute of Natural Resource Sciences, Zurich University of Applied Sciences (ZHAW), Switzerland, <sup>7</sup>Bayreuth Center of Ecology and Environmental Research (BayCEER), Germany, <sup>8</sup>German Centre for Integrative Biodiversity Research Halle-Jena-Leipzig, Germany, <sup>9</sup>National Institute for Research and Development in Forestry "Marin Drăcea", Cluj-Napoca, Romania, <sup>10</sup>Babeș-Bolyai University, Cluj-Napoca, Romania, <sup>11</sup>Field Crops Institute - Chirpan, Agricultural Academy, Chirpan, Bulgaria, <sup>12</sup>University of Sofia "St. Kliment Ohridski", Bulgaria, <sup>13</sup>University of Plovdiv "Paisii Hilendarski", Bulgaria, <sup>14</sup>Centre for Ecological Research, Hungarian Academy of Sciences, Hungary, <sup>15</sup>University of Agricultural Sciences and Veterinary Medicine "Ion Ionescu de la Brad", Romania, <sup>16</sup>Institute of Biological Research Cluj-Napoca, Romania, <sup>17</sup>Argeș County Museum, Romania, <sup>18</sup>"Ștefan cel Mare" University, Romania, <sup>19</sup>Banat's "King Michael I of Romania" University of Agricultural Science and

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## **(25) PLANTS IN RADIATION BIOLOGY EXPERIMENTS**

**Elena Daniela MOGILDEA<sup>1,2\*</sup>, Constanta Mihaela ION<sup>1,2</sup>,  
Dumitru MURARIU<sup>1,2</sup>**

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## **SESSION 2 - ORAL PRESENTATION**

### **(1) IRRIGATION WATER REQUIREMENTS OF SUGAR BEET UNDER THE DEFICIT IRRIGATION**

#### **CONDITIONS IN AKARCAY BASIN OF TURKEY**

**Alparslan TEKBAŞ<sup>1\*</sup>, Suleyman KODAL<sup>2</sup>, İsmail TAS<sup>3</sup>,  
Arman MONSHIZADEH<sup>2</sup> Cenk AKSIT<sup>4</sup>,  
Yusuf Ersoy YILDIRIM<sup>2</sup>**

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### **(2) DEVELOPMENT OF *FUSARIUM OXYSPORUM* F. SP. *LYCOPERSICI* (FOL) AND *FUSARIUM OXYSPORUM* F.SP. *RADICIS LYCOPERSICI* (FORL) RESISTANT TOMATO LINES USING MARKER ASSISTED SELECTION**

**Duran ŞİMSEK<sup>1</sup>, Hasan PINAR<sup>2</sup>, Nedim MUTLU<sup>3</sup>**

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**(3) RESEARCH REGARDING THE INFLUENCE OF THE CULTIVAR AND CULTURE SUBSTRATE ON *HYACINTH FORCING CULTURE***

***Roxana Alexandra SABO<sup>1</sup>, Maria CANTOR<sup>1\*</sup>,  
Erzsebet BUTA<sup>1</sup>, Ioana MOLDOVAN<sup>2</sup>***

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**(4) WHAT INFORMATION COULD THE VOLUME ESTIMATION DOCUMENTS PROVIDE IN THE CASE OF BĂILE HERCULANE FOREST DISTRICT?**

***Florin CAPALB<sup>1</sup>, Cristian Mihai ENESCU<sup>2\*</sup>***

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**(5) EFFECT OF DIFFERENT SEED SIZES ON GERMINATION AND EARLY SEEDLING STAGE OF SOME VETCH SPECIES (*VICIA* SP.)**

***Eyüp Erdem TEYKIN<sup>1\*</sup>, Hazım Serkan TENIKECİER<sup>2</sup>,  
İlker NİZAM<sup>2</sup>, Ertan ATEŞ<sup>2</sup>, Adnan ORAK<sup>2</sup>, Sude DEVECİ<sup>2</sup>***

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**(6) SUBSEQUENT EFFECTS OF ARTIFICIAL FERTILIZER APPLICATIONS ON NATURAL GRASSLANDS**

***Yalçın BOZKURT<sup>1</sup>, Mevlüt GÜNAL<sup>1\*</sup>***

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**(7) WHAT IS THE POTENTIAL OF TULCEA COUNTY AS REGARDS THE NON-WOOD FOREST PRODUCTS?**

***Lucian CIOACĂ<sup>1</sup>, Cristian Mihai ENESCU<sup>2\*</sup>***

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**(8) DETERMINATION OF VEGETATIVE DEVELOPMENT AND FLOWER EFFECT OF TRANSGENIC NICOTIANA TABACUM**

***Hasan PINAR<sup>1</sup>, Aydın UZUN<sup>1</sup>, Semih YILMAZ<sup>1</sup>, Amitava MİTRA<sup>1</sup>***

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**(9) ECONOMIC ANALYSIS OF DIFFERENT DAIRY FARM SIZES IN TAVŞANLI DISTRICT OF KÜTAHYA IN TURKEY**

***Ahmet Emre SOYDAM<sup>1</sup>, Mevlüt GÜNAL<sup>1\*</sup>, Vecdi DEMIRCAN<sup>1</sup>***

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**(10) FREEZE DRYING - NOTABLE ADVANCEMENTS IN SUBLIMATION-DRYING OF FOODS**

***Ramona COTRUȚ<sup>1\*</sup>***

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**(11) RESEARCH CONCENING THE INFLUENCE OF CULTURE SUBSTRATE ON THE MAIN CHARACTERISTICS OF TUBEROSE**

*Ioana MOLDOVAN<sup>1</sup>, Maria CANTOR<sup>2\*</sup>, Roxana Alexandra SABO<sup>2</sup>, Lehel LUKACS<sup>1</sup>, Peter SAMSAI<sup>1</sup>*

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**(12) DETERMINATION OF MEDICINAL AND AROMATIC PLANT SPECIES AND ITS SOME MORPHOLOGICAL TRAITS IN BOTANICAL COMPOSITION OF UNGRAZED PASTURE AT KUBRAT, BULGARIA**

*Ertan ATEŞ<sup>1\*</sup>, Emrullah CULPAN<sup>1</sup>*

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**(13) DIFFERENT SUBSTRATE MATERIALS FOR PHOSPHORUS REMOVAL FROM WASTEWATERS IN CONSTRUCTED WETLANDS**

*Zeki GOKALP<sup>1\*</sup>, Ismail TAS<sup>2</sup>*

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**(14) PERFORMANCE ASSESSMENT FOR CONSTRUCTED WETLANDS OF KAYSERI PROVINCE OF TURKEY**

*Zeki GOKALP<sup>1\*</sup>, Furkan Omer KANARYA<sup>1</sup>*

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**(15) THE EFFECTS OF IRRIGATION WATERS WITH HIGH ELECTRICAL CONDUCTIVITY ON THE GERMINATION OF WHEAT SPECIES OF DIFFERENT PLOIDY LEVELS**

***Ismail TAS<sup>1\*</sup>, Yalcin COSKUN<sup>2</sup>, Zeki GOKALP<sup>3</sup>***

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**(16) ASSESSMENT OF CHANGES IN IRRIGATION INDICATORS IN IRRIGATION AREAS LOCATED IN GEDİZ BASIN**

***Yusuf Ersoy YILDIRIM<sup>1\*</sup>, Arman MONSHIZADEH<sup>1</sup>, Suleyman KODAL<sup>1</sup>, İsmail TAS<sup>2</sup>, Cenk AKSIT<sup>3</sup>***

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**(17) EVALUATION OF FROST RISK DATES IN ANTALYA AND BURDUR BASINS**

***Cenk AKŞİT<sup>1\*</sup>, Süleyman KODAL<sup>2</sup>***

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**(18) DETERMINATION OF SPATIAL VARIATION  
OF REFERENCE EVAPOTRANSPIRATION CASE STUDY  
OF SEYHAN BASIN**

*Ismail TAS<sup>1\*</sup>, Yusuf Ersoy YILDIRIM<sup>2</sup>, Cenk AKSIT<sup>3</sup>,  
Kadir Aytac OZAYDIN<sup>4</sup>*

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Information Systems (GIS), Ankara, Turkey

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**(19) ASSESSMENT OF POLLEN QUALITY OF SOME  
APRICOT AND CHERRY CULTIVARS**

*Aydin UZUN<sup>1\*</sup>, Hasan PINAR<sup>1</sup>, Esra GUN<sup>1</sup>, Mehmet YAMAN<sup>1</sup>,  
Semih YILMAZ<sup>2</sup>*

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**(20) PRESENT LAND CONSOLIDATION PRACTICES  
OF TURKEY**

*Sedat KARAMAN<sup>1\*</sup>, Zeki GOKALP<sup>2</sup>*

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Biosystem Engineering, Tokat, Turkey

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## **(21) PRESENT PROBLEMS EXPERIENCED IN TURKISH RURAL SETTLEMENTS**

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## **POSTER PRESENTATION**

### **(P-01) ASPECTS OF SYNANTHROPIC FLORA AND VEGETATION IN THE CITY OF PITEȘTI**

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### **(P-02) NUTRIENT BALANCE EVOLUTION IN TOMATO CULTURE BASED ON LEAVES ANALYSIS AT DIFFERENT STAGES OF DEVELOPMENT**

**Andrei MOȚ<sup>1,2</sup>\*, Roxana Maria MADJAR<sup>3</sup>,  
Gina VASILE SCĂEȚEANU<sup>3</sup>**

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**(P-03) THE ECONOMIC EFFICIENCY OF A SUMMER-AUTUMN TOMATO CROPS IN THE VIDRA AREA, ILFOV COUNTY, IN 2016**

*Ana-Emilia CENUȘĂ<sup>1\*</sup>, Ion SCURTU<sup>1</sup>, Gabriela ȘOVĂREL<sup>1</sup>, Marcel COSTACHE<sup>1</sup>*

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**(P-04) DATA SCIENCE IN BEEKEEPING**

*Kristina DINEVA<sup>1\*</sup>, Tatiana ATANASOVA<sup>2</sup>*

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**(P-05) NITRATE REMOVAL POTENTIAL OF DIFFERENT MICROBIAL CONSORTIA, FEASIBLE FOR WASTEWATER TREATMENT IN RAS**

*M. IORDAN<sup>1,2</sup>, A.C. DUMITRACHE<sup>1</sup>, I.I. ARDELEAN<sup>1</sup>, Cristina MOISESCU<sup>1\*</sup>*

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**(P-06) BEHAVIOR OF OPRIȘOR VINEYARD VARIETIES OF BLACK GRAPES FROM WEST EUROPEAN WINE-GROWING COUNTRIES**

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**(P-07) BEHAVIOR IN CULTURE AT SEGARCEA, VINE VARIETIES, FOR BLACK GRAPES, FROM WESTERN EUROPEAN VINEYARDS**

***Florin-Cătălin CROITORU<sup>1</sup>\****

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**(P-08) THE INFLUENCE OF CLIMATE FACTORS FROM SANDY SOILS ON STARTING THE MAIN PHENOPHASES AT SPECIES , PLUM, CHERRY AND SOUR CHERRY DURING THE YEARS 2015-2017**

***Viorel Ștefan ENACHE<sup>1</sup>\*, Mihaela CROITORU<sup>1</sup>***

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**(P-09) SENZORIAL AND PHYSICO-CHEMICAL CHARACTERISATION OF HONEY FROM MUNTENIA ZONE, ROMANIA**

***Daniela GIOSANU<sup>1</sup>\*, Loredana VÎJAN<sup>1</sup>, Mădălina VULPE<sup>1</sup>,  
Mădălina MARIAN<sup>1</sup>***

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**(P-10) THE DETERMINATION OF THE CONTENT OF PHENOLIC COMPOUNDS FROM DIFFERENT ROMANIAN WINES USING FOLIN - CIOCÎLTEU METHOD**

***Daniela GIOSANU<sup>1</sup>\*, Mircea BĂRBUCEANU<sup>1</sup>, M. ANGHEL<sup>1</sup>,  
Loredana VÎJAN<sup>1</sup>***

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**(P-11) USING SOME SOFT-SEEDED FRUIT TREES IN  
LANDSCAPE DESIGNS**

*Merve A. YİĞİT<sup>1</sup>, Hasan PINAR<sup>1</sup>, Aydın UZUN<sup>1</sup>,  
Tuba DİLFİRİZ<sup>1</sup>, Özlem Deger Demir<sup>1</sup>, Emrah UYSAL<sup>1</sup>*

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**(P-12) PROTECTION OF HUMAN HEPG2 CELLS AGAINST  
OXIDATIVE STRESS INDUCED BY GLUCOSE  
BY THE CHLOROGENIC ACID**

*Hattf Bazool FARHOOD<sup>1\*</sup>, Mihaela BALAS<sup>1</sup>,  
Denisa MARGINA<sup>2</sup>, Daniela GRADINARU<sup>2</sup>,  
Anca DINISCHIOTU<sup>1</sup>*

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**(P-13) CONTRIBUTIONS TO THE INTEGRATION  
OF THE AGRICULTURAL CADASTER IN THE GENERAL  
CADASTRE**

*Mădălina MARIAN<sup>1\*</sup>, Bogdan DRĂGHICI<sup>2</sup>,  
Monica NEBLEA<sup>1</sup>, Daniela GIOSANU<sup>1</sup>*

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**(P-14) STUDIES REGARDING THE VARIABILITY OF THE  
PLANT PRODUCTIVITY CHARACTERS OF THE BELL  
PEPPER (*CAPSICUM ANNUUM* VAR. *TETRAGONUM*)**

*Emilian MADOȘĂ<sup>1\*</sup>, Lavinia SASU<sup>2</sup>, Adriana CIULCA<sup>1</sup>,  
Giancarla VELICEVICI<sup>1</sup>, Sorin CIULCA<sup>1</sup>, C. AVADANEI<sup>1</sup>,  
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**(P-15) COPPER EFFECT ON MORPHO-CYTOLOGICAL PROCESSES AT CUCUMIS SATIVUS L.**

***I. SARAC<sup>1\*</sup>, I. PETRESCU<sup>1</sup>, E. MADOȘA<sup>1</sup>, E. BONCIU<sup>2</sup>, A. ARDELEAN<sup>1</sup>***

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**(P-16) HISTORICAL RESEARCH CONCERNING *LIGULARIA* GENUS**

***Andreea Natalia MATEI<sup>1\*</sup>***

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**(P-17) STUDY THE EFFECT OF TRICHODERMA SPORES LOADED ON ALGINIC AND 2% CMC WITH CHEMICAL FERTILIZER AND ORGANIC COMPOST AGAINST FUNGI *FUSARIUM OXYSPORUM* ON THE PLANT OF TOMATO IN THE FIELD**

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**(P-18) COMPARATIVE STUDY ON THE OPTIMIZATION OF MEDICINAL AND AROMATIC PLANTS EXTRACTION METHODS**

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**(P-19) QUALITY OF YIELD AT WHEAT, TRITICALE AND BARLEY SPECIES CULTIVATED IN THE ECOLOGICAL SYSTEM ON ARDS SIMNIC**

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**(P-20) RESPONSE OF AN WINTER WHEAT ASSORTMENT TO THE ECOLOGICAL CULTIVATION SYSTEM ON LUISOIL FROM SIMNIC CRAIOVA**

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**(P-21) THE VIABILITY OF SALMONELLA ENTERICA VAR. POONA IN FILTERED AND UNFILTERED SEA WATER MICROCOSMS AT DIFFERENT TEMPERATURES**

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**(P-22) GENETIC RESOURCES FOR SWEET AND SOUR  
CHERRY BREEDING COLLECTED *EX SITU***

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**(P-23) IDENTIFICATION AND OPTIMIZATION  
OF FIBER EXTRACTION METHODS  
FROM OLEAGINOUS PLANTS**

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**(P-24) STUDY OF BACTERIAL RHIZOSPHERE STRAINS  
AS BIOCONTROL AGENTS**

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**(P-25) INVESTIGATION OF RHIZOSPHERIC *BACILLUS* STRAINS AS ANTIFUNGAL AGENTS**

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**(P-26) STUDY, VALORIZATION AND PROMOTION OF CULTURAL HERITAGE ARTIFACTS USING NUCLEAR TECHNIQUES**

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**(P-27) DEVELOPMENT OF APATITIC MATERIALS FOR APPLICATION IN CULTURAL HERITAGE PROTECTION**

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**(P-28) CHARACTERISATION METHODS FOR CATALYTIC MATERIALS USED FOR THE REMOVAL OF ENDOCRINE DISRUPTING CHEMICALS FROM WATER SOURCES**

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**(P-29) DEVELOPMENT AND CHARACTERIZATION OF NEW ADSORBANT MATERIALS FOR THE DEPOLLUTION OF WATER RESOURCES**

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**(P-30) PHYTOSYNTHESIS OF METALLIC NANOPARTICLES USING INDIGENOUS VEGETAL MATERIALS: FROM PREVIOUS EXPERIENCE TO FUTURE APPLICATIONS**

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**(P-31) APPLICATION OF NANOTECHNOLOGY FOR SAFEGUARDING THE CULTURAL HERITAGE**

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**(P-32) THE MANAGEMENT OF *EX SITU* GRAPEVINE  
GERMPLASM COLLECTIONS**

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**(P-33) COMBINING MICROSATELLITE MARKERS  
AND AMPELOGRAPHY FOR BETTER MANAGEMENT  
OF ROMANIAN GRAPEVINE GERMPLASM  
COLLECTIONS**

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**(P-34) STUDY OF THE ICHTHYOFAUNA DIVERSITY IN  
THE ROMANIAN SEASIDE AREA**

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**(P-35) EFFECT OF DIFFERENT PRIMING TREATMENTS  
ON SEEDS GERMINATION AND EARLY SEEDLINGS  
GROWTH OF TOMATO**

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**(P-36) CHARACTERIZATION OF THE AQUATIC  
BIOTOPES OF THE SIRET RIVER AND PRUT RIVER IN  
THE CONFLUENCE AREA WITH THE DANUBE RIVER**

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**(P-37) ACTUAL BIBLIOGRAPHIC REFERENCES  
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AND PRUT RIVER IN THE CONFLUENCE AREA  
WITH THE DANUBE RIVER**

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**(P-38) THE INCIDENCE AND ANTIBIOTIC RESISTANCE  
OF BACTERIA INVOLVED IN RESPIRATORY TRACT  
INFECTIONS IN ARGES POPULATION**

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**(P-39) THE FLORISTIC DIVERSITY OF THE SCREES OF  
THLASPIETEA ROTUNDIFOLII Br.-Bl. 1948 CLASS FROM  
MERIDIONAL CARPATHIANS (ROMANIA)**

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**(P-40) NATURAL HABITATS FROM ANINEȘU AND  
GODEANU VALLEYS (GRĂDIȘTEA MUNCULULUI–  
CIOCLOVINA NATURAL PARK- ROMANIA)**

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**(P-41) THE HARMFUL EFFECT OF SALT ON HUMAN  
HEALTH**

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**(P-42) ECOLOGICAL RESEARCH ON THE *PARACTOPA  
ROBINIELLA* POPULATION**

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**(P-43) *DIANTHUS BARBATUS* „GREEN TRICK” NEW  
ASSORTMENT USED IN FLORAL DESIGN**

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**(P-44) RESISTANCE OF LOCAL VARIETIES OF WALNUTS TO THE PATHOGEN *GNOMONIALEPTOSTYLA* (FR.)  
CES.ET DE NOT. UNDER THE CONDITIONS OF THE NE OF ROMANIA**

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**(P-45) THE INFLUENCE OF THE SPROUTED WHEAT KERNELS (SWK) ON THE AMILOLYTIC ACTIVITY OF THREE WHEAT VARIETIES, CULTIVATED IN ROMANIA**

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**(P-46) STUDIES ON THE MAIN COMPOSITIONAL PARAMETERS AT SOME ORGANIC WINES**

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**(P-47) THE BALANCE OF HUMUS AND NUTRIENTS  
OF CROP ROTATION WITH THE APPLICATION  
OF PLANT RESIDUES AND FERTILIZERS IN SMALL  
DOSES ON CALCAREOUS CHERNOZEM OF MOLDOVA**

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**(P-48) GREEN PAINTINGS – PLANT ART FOR STYLE  
DESIGN**

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**(P-49) RESEARCH ON THE ENVIRONMENTAL QUALITY  
IN TELEORMAN RIVER**

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**(P-50) LAUGHTER AND WELL-BEING**

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**(P-51) GROUP CONSTRUCTIVE CREATIVE  
IMPROVISATION THROUGH SANDPLAY**

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**(P-52) COMPARATIVE STUDIES ON THE *PELARGONIUM* GENUS**

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**(P-53) ELABORATION OF ALTERNATIVE TECHNOLOGIES FOR THE PRODUCTION OF PEPPERS**

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**(P-54) RARE, VULNERABLE AND PROTECTED BIRD SPECIES IN THE AREA OF THE RESERVOIRS FROM THE MIDDLE BASIN OF THE ARGES RIVER AND MEASURES TO PROTECT THEM**

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**(P-55) PHYSICOCHEMICAL PROPERTIES AND CYTOGENOTOXIC POTENTIAL OF SURFACE WATER – A CASE STUDY OF ARGES RIVER, ROMANIA**

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**(P-56) STUDY ON WATER TEMPERATURE EFFECT IN  
EXPERIMENTAL INTOXICATIONS WITH INSECTICIDES  
ON PERCH**

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**(P-57) COMPARATIVE STUDY OF SOME  
GEOMECHANICAL PROPERTIES OF THE LIMESTONES  
AND SHISTS IN THE SCREES OF LEAOTA MASSIF  
(SOUTHERN CARPATHIANS, ROMANIA)**

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**(P-58) RARE AND VALUBLE SPECIES AND APPROACHES  
FOR THEY CONSERVATION**

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**(P-59) THE PHENOTIPIC AND BIOCHEMICAL  
VARIABILITY IN SOME ROMANIAN BASIL  
(*OCIMUM BASILICUM* L.) LANDRACES**

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**(P-60) MACROMYCETES FROM “THE FORESTS IN THE SOUTHERN PART OF THE CÂNDEȘTI PIEDMONT”,**

**A ROMANIAN NATURA 2000 PROTECTED AREA**

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**(P-61) CONSIDERATION REGARDING ROOT SYSTEM MANAGEMENT IN VINEYARDS**

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**(P-62) ROMANIAN LEGISLATION OF WATER RESOURCES MANAGEMENT IN ENVIRONMENTALLY FRIENDLY WAY**

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**(P-63) COMPARATIVE STUDIES ON INFLUENCE OF *ASCOPHYLLUM NODOSUM* L. SEAWEED EXTRACTS ON TOMATO PLANTS RESPONSE TO SALT STRESS**

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**(P-64) EFFECT OF HEAT PROCESSING ON THE C VITAMIN CONTENT OF LEMON, ORANGE, GRAPEFRUIT, LIME AND MANDARIN JUICE**

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**(P-65) DEVELOPMENT OF MUSHROOM POWDER AND ITS APPLICATION IN FOOD INDUSTRY**

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**(P-66) THE *CORDYCEPS MILITARIS* MUSHROOM MYCELIUM GROWTH ON GLUCOSE, FRUCTOSE, LACTOSE, MALTOSE AND SUGAR CULTURE MEDIA**

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**(P-67) THE CARBON DIOXIDE CONCENTRATION INFLUENCE ON *CORDYCEPS MILITARIS* MUSHROOM MYCELIUM GROWTH**

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**(P-68) DETERMINATION OF WATER IN THE ROMANIAN  
SECTOR OF THE DANUBE RIVER**

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**(P-69) LEAF FRACTAL DIMENSIONS  
IN ECOTOXICOLOGICAL ASSESSMENT**

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**(P-70) HISTOPATHOLOGICAL CHANGES IN  
DENDROBAENA OCTAEDRA INDUCED BY XENOBIOTICS  
SUBSTANCE**

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**(P-71) HISTOPATHOLOGICAL CHANGES INDUCED BY  
SEVERAL FUNGICIDES UPON GALL-BLADDER  
STRUCTURE IN PELOPHYLAX RIDIBUNDUS**

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**(P-72) THE EVOLUTION OF THE HAEMATOLOGICAL INDICES AT NMRI ALBINO MICE EXPERIMENTALLY POISONED WITH PARACETAMOL AND TREATED WITH VEGETABLE EXTRACTS OF SILYBUM MARIANUM**

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**(P-73) CHANGES IN SOME HAEMATOLOGICAL INDICES IN EXPERIMENTALLY INDUCED ALCOHOLIC INTOXICATION ALBINO NMRI MICE**

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**(P-74) LIVER HISTOPATHOLOGY AT INDUCED-DIABETES MICE TREATED WITH VEGETAL EXTRACT OF SYLIBUM MARIANUM**

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**(P-75) ORNITHOLOGICAL RESEARCH IN THE LEAOTA MOUNTAINS**

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**(P-76) OBSERVATIONS ABOUT THE FAUNA OF  
INVERTEBRATES FROM TINCA AREA (BIHOR COUTY,  
ROMANIA) DURING THE COLD SEASON 2017-2018**

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**(P-77) NEW DATA ABOUT THE GALLS FROM TINCA  
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