



UNIVERSITY OF PITESTI  
FACULTY OF SCIENCES,  
PHYSICAL EDUCATION AND INFORMATICS



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

April 18-20, 2019



PITESTI CITY HALL

International partners:

Mansoura University,  
Egypt



Atatürk University,  
Erzurum, Turkey



Zaporizhzhia National University,  
Zaporizhzhia, Ukraine



**Organizing Committee:**

**Organizing Committee President:**

Monica POPESCU – University of Pitesti

**Organizing Committee Members** (alphabetical order):

Olena BOIKA - Zaporizhzhia National University, Zaporizhzhia, Ukraine

Zeynel DALKILIÇ - Adnan Menderes University, Aydin, Turkey

Ionica DELIU - University of Pitesti

Oana Alexandra DRĂGHICEANU – University of Pitesti

Mihail George MAN - University of Pitesti

Cristian Gheorghe POPESCU - University of Pitesti

Ion SCURTU - The Academy for Agricultural and Forestry Sciences - Horticulture Section

Liliana Cristina SOARE - University Of Pitesti

Nicoleta Anca SUTAN - University Of Pitesti

Telat YANIK - Atatürk University, Turkey

Alina Mihaela TRUTA - University Of Pitesti

**Scientific Committee:**  
(alphabetical order)

Valeriu ALEXIU – University of Pitesti

Daniela BĂRBUCEANU – University of Pitesti

Olena BOIKA - Zaporizhzhia National University, Zaporizhzhia, Ukraine

Gheorghîta BRÎNZEĂ – University of Pitesti

Vincenzo CANDIDO - University of Basilicata, Italy

Denisa CONETE – University of Pitesti

Zeynel DALKILIÇ - Adnan Menderes University, Aydin, Turkey

Ionica DELIU – University of Pitesti

Codruta Mihaela DOBRESCU – University of Pitesti  
Leonard Magdalin DOROBĂȚ - University of Pitesti  
Octavian DRĂGHICI – University of Pitesti  
Mohamed Abdalla ELAIDEY - Mansoura University, Egipt  
Irina FIERĂSCU – The National Institute for Research &  
Development in Chemistry and Petrochemistry, Bucharest  
Radu Claudiu FIERĂSCU - The National Institute for Research  
& Development in Chemistry and Petrochemistry, Bucharest  
Radu GAVA – University of Pitesti  
Zeki GÖKALP - Erciyes University, Kayseri, Turkey  
Gonca GUNVER DALKILIÇ - Adnan Menderes University,  
Aydin, Turkey  
Nicoleta IANOVICI - West University of Timisoara  
Kaspars KAMPUSS - Latvia University of Agriculture, Jelgava,  
Latvia  
Sedat KARAMAN - Gaziosmanpasa University, Tokat, Turkey  
Mihail George MAN - University of Pitesti  
Alexandru Gabriel MARINESCU – University of Pitesti  
Florina Cristina MIHAESCU – University of Pitesti  
Monica Angela NEBLEA – University of Pitesti  
Magdalena NEGRU – University of Pitesti  
Ivo ONDRASEK - Mendel University of Brno, Czech Republic  
Alina PAUNESCU – University of Pitesti  
Michele PERNIOLA - University of Basilicata, Italy  
Marian PETRE – University of Pitesti  
Maria Cristina PONEPAL– University of Pitesti  
Aurel POPESCU– University of Pitesti  
Carmen Florentina POPESCU– National Research and  
Development Institute for Biotechnology in Horticulture  
Stefanesti, Arges  
Gheorghe Cristian POPESCU– University of Pitesti  
Monica POPESCU – University of Pitesti  
Nicoleta RABAN – MOTOUNU - University of Pitesti  
Tamer RIZAOGU - Kahramanmaras Sutcu Imam University,  
Turkey  
Ion SCURTU -The Academy for Agricultural and Forestry

---

**Sciences – Horticulture Section**

Yasser SHABANA - Mansoura University, Egypt

Liliana Cristina SOARE - University of Pitesti

Daniela Ileana STANCU – Arges County Museum

Anca Nicoleta SUTAN – University of Pitesti

Yanik TELAT – Agri Ibrahim Cecen University, Turkey

Asea TIMUŞ - The State Agrarian University of Moldova

Alina Mihaela TRUTA - University of Pitesti

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

Organizing Committee (alphabetical order):

Daniela BARBUCEANU - University of Pitesti

Denisa CONETE - University of Pitesti

Codruta Mihaela DOBRESCU - 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 18<sup>th</sup>, 2019**

9 <sup>00</sup> – 10 <sup>30</sup>	REGISTRATION OF PARTICIPANTS
11 <sup>00</sup> – 11 <sup>30</sup>	OPENING CEREMONY
11 <sup>30</sup> – 13 <sup>30</sup>	ORAL PRESENTATIONS
13 <sup>30</sup> – 14 <sup>00</sup>	COFFEE BREAK
14 <sup>00</sup> – 18 <sup>00</sup>	ORAL PRESENTATIONS
18 <sup>00</sup> – 18 <sup>30</sup>	POSTER PRESENTATIONS
19 <sup>00</sup>	FESTIVE DINNER

**FRIDAY – April 19<sup>th</sup>, 2019**

8 <sup>30</sup> – 19 <sup>00</sup>	Social and cultural program
------------------------------------	-----------------------------

**SATURDAY – April 20<sup>th</sup>, 2019**

9 <sup>00</sup>	Social and cultural program
-----------------	-----------------------------

**ORAL PRESENTATION**

**(O-01) mHEALTH – A NEW MEDICAL CONCEPT**

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

<sup>1</sup>University of Pitesti, Romania

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

\* Corresponding author: [agtase@yahoo.com](mailto:agtase@yahoo.com)

**(O-02) SELF-MANAGEMENT SUPPORT INTERVENTIONS  
INTEGRATED INTO OCCUPATIONAL THERAPY  
PRACTICE WITH PEOPLE HAVING TYPE 2 DIABETES**

*Mariana Ionela TUDOR<sup>1\*</sup>, Constantin CIUCUREL<sup>1</sup>,*

*Elena Ioana ICONARU<sup>1</sup>*

<sup>1</sup>University of Pitesti, Faculty of Sciences, Physical Education and Informatics, Department of Medical Assistance and Physical Therapy, Pitesti, Romania

\* Corresponding author: [margotudor@yahoo.com](mailto:margotudor@yahoo.com)

**(O-03) EVALUATION OF YIELD AND FRUIT QUALITY OF  
SOME APPLE CULTIVARS GRAFTED ON DIFFERENT  
ROOTSTOCKS**

*Aydin UZUN<sup>1\*</sup>, Ahmet KANTEMIZ<sup>1</sup>, Hasan PINAR<sup>1</sup>*

<sup>1</sup>Erciyes University, Department of Horticulture, Kayseri-Turkey

\* Corresponding author: [uzun38s@yahoo.com](mailto:uzun38s@yahoo.com)

**(O-04) FRUIT CHARACTERISTICS OF WILD PLUM  
(*PRUNUS DIVARICATA* LEDEB.) GENOTYPES  
NATURALLY GROWING IN HIGH MOUNTAINOUS AREAS  
OF CENTRAL ANATOLIA**

*Aydin UZUN<sup>1\*</sup>, Hasan PINAR<sup>1</sup>*

<sup>1</sup>Erciyes University, Department of Horticulture, Kayseri-Turkey

\* Corresponding author: [uzun38s@yahoo.com](mailto:uzun38s@yahoo.com)

**(O-05) INDUCED SYSTEMIC RESISTANCE BY PLANT GROWTH-PROMOTING RHIZOBACTERIA CONTROL OF PLANT DISEASES**

**Hacer Handan ALTINOK<sup>1\*</sup>, Hatice Nilüfer YILDIZ<sup>2</sup>**

<sup>1</sup>Erciyes University, Agricultural Faculty, Plant Protection Department, Kayseri, Turkey

<sup>2</sup>Biological Control Research Institute, Adana, Turkey

\* Corresponding author: [ahandan@gmail.com](mailto:ahandan@gmail.com)

**(O-06) MODES OF ACTION OF ENTOMOPATHOGENIC FUNGI**

**Hacer Handan ALTINOK<sup>1\*</sup>, Abdurrahman Sami KOCA<sup>2</sup>, Mahmut Alper ALTINOK<sup>1</sup>**

<sup>1</sup>Erciyes University, Agricultural Faculty, Plant Protection Department Kayseri, Turkey

<sup>2</sup>Abant İzzet Baysal University, Faculty of Agriculture and Natural Sciences, Plant Protection Department, Bolu, Turkey

\* Corresponding author: [ahandan@gmail.com](mailto:ahandan@gmail.com)

**(O-07) IMPORTANCE OF BRAND GEOGRAPHICAL AGRICULTURAL PRODUCTS IN THE PROMOTION OF AGRI-TOURISM IN TURKEY**

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

<sup>1</sup>İstanbul University-Cerrahpaşa, Faculty of Engineering, Department of Maritime Transportation Management Engineering, Avcılar/İstanbul- Turkey

\* Corresponding author: [cengiz.kahraman@istanbul.edu.tr](mailto:cengiz.kahraman@istanbul.edu.tr)

**(O-08) FOREST IS NOT ONLY WOOD: EVALUATING NON-TIMBER PRODUCTS FROM DAMBOVITA COUNTY**

**Cosmin BRAGĂ<sup>1\*</sup>, Lucian DINĂ<sup>1</sup>**

<sup>1</sup>“Marin Drăcea” National Institute for Research and Development in Forestry, 13 Closca Street, 500040, Brasov, Romania

\* Corresponding author: [braga\\_cosmin@yahoo.com](mailto:braga_cosmin@yahoo.com)

**(O-09) CURRENT STATUS OF FSC FOREST CERTIFICATION WORLDWIDE**

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

<sup>1</sup>Faculty of Agriculture, Forestry Specialization, University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Mărăști Boulevard, Bucharest-011464, Romania

<sup>2</sup>Department of Soil Sciences, University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Mărăști Boulevard, Bucharest-011464, Romania

\* Corresponding author: [mihaienescu21@gmail.com](mailto:mihaienescu21@gmail.com)

**(O-10) FSC CERTIFIED CORK OAK PRODUCTS: A CURIOSITY ON THE INTERNATIONAL MARKET**

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

<sup>1</sup>Faculty of Horticulture, University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Mărăști Boulevard, Bucharest-011464, Romania

<sup>2</sup>Department of Soil Sciences, University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Mărăști Boulevard, Bucharest-011464, Romania

\* Corresponding author: [mihaienescu21@gmail.com](mailto:mihaienescu21@gmail.com)

**(O-11) ASPECTS REGARDING THE CAUSES OF THE DEGRADATION OF SOME HYDROTECHNICS WORKS EXECUTED IN ANIES WATERSHED**

**Alexandru COLIȘAR<sup>1\*</sup>, Tatiana BLAGA<sup>2</sup>, Maria Steluța SÂNGEORZAN<sup>1</sup>, Vasile CEUCA<sup>1</sup>, Sanda ROȘCA<sup>3</sup>, Vasile ȘIMONCA<sup>1,2</sup>**

<sup>1</sup>Faculty of Horticulture, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania

<sup>2</sup>National Institute for Research and Development in Forestry “Marin Dracea” Bucharest, Romania

<sup>3</sup>Department of Physical and Technical Geography, Faculty of Geography, Babeș Bolyai University, Cluj-Napoca, Romania

\* Corresponding author: [alexandrucolisar@gmail.com](mailto:alexandrucolisar@gmail.com)



**(O-12) PASTORALISM IN ALPINE AND SUB-ALPINE GRASSLANDS. CASE STUDY: SOUTH-WEST FĂGĂRAȘ MOUNTAINS**

***Marilena ONETE<sup>1\*</sup>, Dumitru ZAHARIA<sup>2</sup>, Minodora MANU<sup>1</sup>, Roxana NICOARĂ<sup>1</sup>***

<sup>1</sup>Institute of Biology Bucharest of Romanian Academy, Spl. Independentei 296, Sector 6, Bucharest, Romania,

<sup>2</sup>University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Calea Mănăstur Street, 3-5, 400372, Cluj-Napoca

\* Corresponding author: [marilena.onete@gmail.com](mailto:marilena.onete@gmail.com)

**(O-13) NANOTECHNOLOGY IN FOOD INDUSTRY – OPPORTUNITIES AND RISKS**

***Ana Maria Ștefania DUMITRU<sup>1\*</sup>, Adelina Paula BADILA<sup>1</sup>, Elena Gabriela STAN<sup>1</sup>, Mirela Cristina ANDREIU<sup>1</sup>, Carmen Georgeta NICOLAE<sup>1</sup>***

<sup>1</sup>University of Agronomic Sciences and Veterinary Medicine of Bucharest 59 Marasti Blvd., District 1, Postal code: 011464, Bucharest, Romania

\* Corresponding author: [ana.dumitru26@yahoo.com](mailto:ana.dumitru26@yahoo.com)

**(O-14) GAME SPECIES' FOOTPRINT ON THE TOPONYMY OF ROMANIAN LOCALITIES**

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

<sup>1</sup>Faculty of Agriculture, Forestry Specialization, University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Mărăști Boulevard, Bucharest-011464, Romania

<sup>2</sup>Department of Soil Sciences, University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Mărăști Boulevard, Bucharest-011464, Romania

\* Corresponding author: [mihaienescu21@gmail.com](mailto:mihaienescu21@gmail.com)

**(O-15) DIVERSITY AND CHARACTERISTICS OF FOREST SOILS FROM SĂLAJ COUNTY**

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

<sup>1</sup>Department of Soil Sciences, University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Mărăști Boulevard, Bucharest-011464, Romania

\*Corresponding author: [mihaienescu21@gmail.com](mailto:mihaienescu21@gmail.com)

**(O-16) DETERMINATION OF PHENOLOGICAL CHARACTERISTICS OF SOME LOCAL GRAPEVINE GENOTYPES COLLECTED FROM GESİ REGION OF KAYSERİ-TURKEY**

***Gulsen YILMAZ<sup>1</sup>, Aydin UZUN<sup>1\*</sup>, Hasan PINAR<sup>1</sup>***

<sup>1</sup>Erciyes University, Department of Horticulture, Kayseri-TURKEY

\* Corresponding author: [uzun38s@yahoo.com](mailto:uzun38s@yahoo.com)

**(O-17) ORGANIC AGRICULTURE MARKETING AND ITS E-COMMERCE APPLICATIONS IN TURKEY**

***Güzide Öncü EROĞLU PEKTAŞ<sup>1\*</sup>***

<sup>1</sup>Istanbul University-Cerrahpaşa, Avcılar Centre Campus, Engineering Faculty Avcılar-Istanbul, Turkey

\* Corresponding author: [guzide.pektas@istanbul.edu.tr](mailto:guzide.pektas@istanbul.edu.tr)

**(O-18) VARIATION IN HAY YIELD AND QUALITY OF HUNGARIAN VETCH (*VICIA PANNONICA* CRANTZ) GENOTYPES**

***Mahmut KAPLAN<sup>1\*</sup>, Kagan KOKTEN<sup>2</sup>, Selim ÖZEMİR<sup>2</sup>***

<sup>1</sup>University of Erciyes, Faculty of Agriculture, Department of Field Crops, Kayseri, Turkey

<sup>2</sup>University of Bingöl, Faculty of Agriculture, Department of Field Crops, Bingöl, Turkey

\* Corresponding author: [mahmutkaplan5@hotmail.com](mailto:mahmutkaplan5@hotmail.com)

**(O-19) VARIATION IN GRAIN FEED QUALITY OF DIFFERENT MAIZE CULTIVARS**

**Mahmut KAPLAN<sup>1\*</sup>, Kagan KOKTEN<sup>2</sup>**

<sup>1</sup>University of Erziyes, Faculty of Agriculture, Department of Field Crops, Kayseri, Turkey

<sup>2</sup>University of Bingol, Faculty of Agriculture, Department of Field Crops, Bingol, Turkey

\* Corresponding author: [mahmutkaplan5@hotmail.com](mailto:mahmutkaplan5@hotmail.com)

**(O-20) SYNTHESIS AND CHARACTERIZATION OF (E)-N-PHENYL-1- (4- (TRIFLUOROMETHYL) PHENYL) METHANIMINE HALOGEN DERIVATIVES BY MICROWAVE METHOD**

**Hülya ÇELİK<sup>1\*</sup>**

<sup>1</sup>Agri Ibrahim Cecen University, Faculty of Pharmacy, Agri, Turkey

\* Corresponding author: [hycelik@agri.edu.tr](mailto:hycelik@agri.edu.tr)

**(O-21) VARIABILITY OF *SENECIO VULGARIS* L. WEED FRUIT CHARACTERS**

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

<sup>1</sup>Agricultural Research and Development Station Pitești, Pitești-Slatina road, 5 km, Romania

\* Corresponding author: [scda.pitesti@gmail.com](mailto:scda.pitesti@gmail.com)

**(O-22) VARIATION OF EARLY MAIZE COBS WITH ACTUAL MORPHOLOGICAL CHARACTERS**

**Nicolaie IONESCU<sup>1\*</sup>, Marian Robert GHEORGHE<sup>1</sup>**

<sup>1</sup> Agricultural Research and Development Station Pitești, Pitești-Slatina road, 5 km, Romania

\* Corresponding author: [scda.pitesti@gmail.com](mailto:scda.pitesti@gmail.com)

**(O-23) INDUSTRIAL AIR PURIFICATION SYSTEM USING ULTRASONIC VIBRATION**

**Dan Florin NITOI<sup>1\*</sup>, Gheorghe AMZA<sup>1</sup>**

<sup>1</sup>University Politehnica of Bucharest, Romania

\* Corresponding author: [nitoidan@yahoo.com](mailto:nitoidan@yahoo.com)

**(O-24) MONITORING DIVICIORI PERIMETERS USING AERIAL PHOTOS**

**Mircea MOLDOVAN<sup>1,3\*</sup>, Ana GHINDARIU<sup>4</sup>, Tatiana BLAGA<sup>2</sup>,  
Ioan TAUT<sup>1,3</sup>, Vasile SIMONCA<sup>1,3</sup>, Marcel DÎRJA<sup>3</sup>**

<sup>1</sup>National Institute for Research and Development in Forestry “Marin Drăcea” S.C.D.E.P. Cluj, România

<sup>2</sup>National Institute for Research and Development in Forestry (INCDS) “Marin Drăcea” Branch Bacău, România

<sup>3</sup>University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca

<sup>4</sup>Babeş-Bolyai University, Cluj-Napoca

\* Corresponding author: [moldo\\_mirk@yahoo.com](mailto:moldo_mirk@yahoo.com)

**(O-25) RESEARCHES ON THE BEHAVIOR OF ORNAMENTAL SPECIES TO SALINE SOILS**

**Muguraşi Florin CONSTANTIN<sup>1\*</sup>, Carmen-Gabriela  
CONSTANTIN<sup>1</sup>, Florin TOMA<sup>1</sup>**

<sup>1</sup> University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Horticulture, Bdul Mărăşti, 59, District 1, Bucharest, Romania

\* Corresponding author: [mugurasiconstantin@gmail.com](mailto:mugurasiconstantin@gmail.com)

**(O-26) ROSACEAE: STRUCTURE OF THE FLOWER**

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

<sup>1</sup>Zaporizhzhia Nanional University, Department of Landscape Design and Genetics, 69014, Karpenko-Karogo st. 13/33, Zaporizhzhia, Ukraine

\*Corresponding author: [olena.boika.ua@gmail.com](mailto:olena.boika.ua@gmail.com)

**(O-27) INHIBITION EFFECT OF SALVIGENIN FROM SALVIA AETHIOPIS L. ON hCA-I AND hCA-II**

**Tuba AYDIN<sup>1\*</sup>, Hulya AKINCIOGLU<sup>2</sup>, Yalcin KARAGOZ<sup>1</sup>**

<sup>1</sup> Agri Ibrahim Cecen University, Faculty of Pharmacy, Turkey

<sup>2</sup> Agri Ibrahim Cecen University, Faculty of Science and Letter, Turkey

\* Corresponding author: [aydintuba25@gmail.com](mailto:aydintuba25@gmail.com)

**(O-28) PLASMID ENCODED METABOLITES OF *BACILLUS THURINGIENSIS***

**Semih YILMAZ<sup>1\*</sup>, Rıdvan TEMİZGÜL<sup>2</sup>, Aysun ÇETİN<sup>3</sup>**

<sup>1</sup>Department of Agricultural Biotechnology, Faculty of Agriculture, Erciyes University, Kayseri, Turkey

<sup>2</sup>Department of Biology, Faculty of Science, Erciyes University, Kayseri, Turkey

<sup>3</sup>Department of Medical Biochemistry, Faculty of Medicine, Erciyes University, Kayseri, Turkey

\*Corresponding author: [ylmazsemh@yahoo.com](mailto:ylmazsemh@yahoo.com)

**(O-29) EXERCISE-MEDIATED dsDNA DAMAGE AND REPAIR IN IMMUNE CELLS**

**Semih YILMAZ<sup>1,2\*</sup>, Aysun ÇETİN<sup>1</sup>, Soner AKKURT<sup>3</sup>,  
Mustafa KARAKUŞ<sup>4</sup>, Gökmen ZARARSIZ<sup>5</sup>, Elias FADEL<sup>6</sup>,  
Mandy SOWA<sup>7</sup>, Dirk ROGGENBUCK<sup>7</sup>, Keziban KORKMAZ<sup>8</sup>,  
Mustafa ÇETİN<sup>9</sup>**

<sup>1</sup>Department of Medical Biochemistry, Faculty of Medicine, Erciyes University, Kayseri, Turkey

<sup>2</sup>Department of Agricultural Biotechnology, Faculty of Agriculture, Erciyes University, Kayseri, Turkey

<sup>3</sup>Department of Sports Medicine, Faculty of Medicine, Erciyes University, Kayseri, Turkey

<sup>4</sup>Department of Physical Education and Sport, Faculty of Sports Science, Erciyes University, Kayseri, Turkey

<sup>5</sup>Department of biostatistics, Faculty of Medicine, Erciyes University, Kayseri, Turkey

<sup>6</sup>Department of Hematology and Oncology, King Hamad Oncology Center, Bahrain

<sup>7</sup>Faculty of Environment and Natural Sciences, Brandenburg University of Technology Cottbus-Senftenberg, Senftenberg, Germany

<sup>8</sup>Genome and Stem Cell Center, Erciyes University, Kayseri, Turkey

<sup>9</sup>Department of Hematology and Oncology, Faculty of Medicine, Erciyes University, Kayseri, Turkey

\*Corresponding author: [ylmazsemh@yahoo.com](mailto:ylmazsemh@yahoo.com)

**(O-30) STUDIES ON THE GROWTH AND STATE OF YOUNG FOREST CULTURES WITHIN IMPROVED LAND AREAS IN THE TRANSYLVANIAN PLAIN**

***Vasile ȘIMONCA<sup>1,3\*</sup>, Alexandru COLIȘAR<sup>3</sup>, S. ROSCA<sup>4</sup>, Tatiana BLAGA<sup>2</sup>, Cristian MOLDOVAN<sup>1</sup>, Florin REBREAN<sup>3</sup>***

<sup>1</sup> National Institute for Research and Development in Forestry (INCDS)

“Marin Drăcea” Collective Research Cluj, România

<sup>2</sup> National Institute for Research and Development in Forestry (INCDS)

“Marin Drăcea” Collective Research Bacău, România

<sup>3</sup> University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Calea Mănăștur 3-5, 400372, Cluj-Napoca, România

<sup>4</sup> Babeș Bolyai University, Faculty of Geography, Clinicilor Street, 4-7 no. 400006, Cluj Napoca, Romania

\* Corresponding author: [simoncavasile@gmail.com](mailto:simoncavasile@gmail.com)

**(O-31) THE INFLUENCE OF DEFOLIATION CAUSED BY THE *STEREONYCHUS FRAXINI* L. BEETLES ON THE RADIAL GROWTHS IN THE SIRET BASIN STANDS**

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

<sup>1</sup> National Institute for Research and Development in

Forestry “Marin Drăcea” București – Branch Bacău, Romania;

<sup>2</sup> Faculty of Horticulture, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania

\* Corresponding author: [tatiana.blaga@yahoo.com](mailto:tatiana.blaga@yahoo.com)

**(O-32) THE ADVANTAGES OF APPLYING REMOTE SENSING FOR REGULATING NATURE PROTECTION ACTIVITIES**

***Vasily NILIPOVSKIY<sup>1\*</sup>, Gaukhar Serikbayeva<sup>2</sup>***

<sup>1</sup> State University of Land Use Planning, Russian Federation

<sup>2</sup> Kazakh National Agrarian University, Republic of Kazakhstan

\* Corresponding author: [v\\_i\\_n2000@mail.ru](mailto:v_i_n2000@mail.ru)

**(O-33) MONITORING FOREST PESTS POPULATIONS IN STANDS ADMINISTERED BY THE ST. MARY FOREST DISTRICT AND ASSESSING THE HEALTH STATUS OF OAKS, INCLUDING MEASURES TO RECOVER THEM**

*Ioan TĂUT<sup>1,2\*</sup>, Jeno FERKO<sup>3</sup>, Mircea Cristian MOLDOVAN<sup>1, 2</sup>, Vasile SIMONCA<sup>1,2</sup>, Florin REBREANU<sup>2</sup>, Alexandru COLISAR<sup>2</sup>, Vasile CEUCA<sup>2</sup>*

<sup>1</sup>National Institute for Research and Development in Forestry “Marin Drăcea” branch Cluj, Romania

<sup>2</sup>University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania

<sup>3</sup>St. Mary Forest District

\* Corresponding author: [ioan\\_taut90@yahoo.com](mailto:ioan_taut90@yahoo.com)

**(O-34) RESEARCHES ON CONSTRUCTED WETLAND SYSTEMS OF TURKEY**

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

<sup>1</sup>Erciyes University Agricultural Faculty Biosystems Engineering Department , 38038, Kayseri, Turkey

\* Corresponding author: [zekigokalp@yahoo.com](mailto:zekigokalp@yahoo.com)

**(O-35) CONSTRUCTED WETLAND SYSTEMS TO REMOVE NUTRIENTS FROM WASTEWATERS**

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

<sup>1</sup>Erciyes University Agricultural Faculty Biosystems Engineering Department, 38038, Kayseri, Turkey

\* Corresponding author: [zekigokalp@yahoo.com](mailto:zekigokalp@yahoo.com)

**(O-36) SRAP MARKER BASED COMPARIATION WITH TURKISH LOCAL EGGPLANT GENOTYPES AND SOME OTHER EGGPLANT VARIETIES**

*Emrah UYSAL<sup>1</sup>, Hasan PINAR<sup>1\*</sup>, Aydın UZUN<sup>1</sup>*

<sup>1</sup>Erciyes University, Department of Horticulture, Kayseri, Turkey

\* Corresponding author: [hasanpinar@erciyes.edu.tr](mailto:hasanpinar@erciyes.edu.tr)

**(O-37) IMPROVEMENT OF INDUSTRIAL  
PHYTOPHTHORA (*PHYTOPHTHORA CAPSICI* LEON.)  
TOLERANT PEPPER LINES USING MOLECULAR  
MARKERS AND ANTHR CULTURE**

***Hasan PINAR<sup>1</sup>, Nur Selin CABUK<sup>1</sup>, Mustafa DEMIRKAYA<sup>2</sup>,  
Aydın UZUN<sup>1</sup>***

<sup>1</sup> Erciyes University, Department of Horticulture, Kayseri-Turkey

<sup>2</sup> Kayseri University, Kayseri-Turkey

\* Corresponding author: [hasanpinar@erciyes.edu.tr](mailto:hasanpinar@erciyes.edu.tr)

**(O-38) DETERMINATION OF DIFFERENT CULTURAL  
APPLICATIONS ON TURKISH LOCAL EGGPLANT OF  
EARLINESS, YIELD AND DIFFERENT QUALITY  
PARAMETERS**

***Emre TOSUN<sup>1</sup>, Hasan PINAR<sup>1</sup>\*, Aydın UZUN<sup>1</sup>***

<sup>1</sup> Erciyes University, Department of Horticulture, Kayseri, Turkey

\* Corresponding author: [hasanpinar@erciyes.edu.tr](mailto:hasanpinar@erciyes.edu.tr)

**(O-39) DETERMINATION OF FRUIT DETACHMENT  
FORCE OF SOME INDUSTRIAL PEPPER BREEDING  
LINES**

***Hasan PINAR<sup>1</sup>\*, Aydın UZUN<sup>1</sup>***

<sup>1</sup> Erciyes University, Department of Horticulture, Kayseri, Turkey

\* Corresponding author: [hasanpinar@erciyes.edu.tr](mailto:hasanpinar@erciyes.edu.tr)

**(O-40) POTENTIAL USES OF LITTER MATERIALS IN  
BROILER BREEDING OPERATIONS**

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

<sup>1</sup>Gaziosmanpaşa University Agricultural Faculty Biosystems  
Engineering, 60250, Tokat, Turkey

<sup>2</sup>Erciyes University Agricultural Faculty Biosystems Engineering  
Department

\* Corresponding author: [serkan.yazarel@gop.edu.tr](mailto:serkan.yazarel@gop.edu.tr)



**(O-41) AUTOMATION APPLICATIONS IN GREENHOUSE**

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

<sup>1</sup>Gaziosamanpasa University, Agricultural Faculty, Biosystems Engineering, 60250, Tokat, Turkey

<sup>2</sup>Erciyes University, Agricultural Faculty, Biosystems Engineering Department

\* Corresponding author: [sedat.karaman@gop.edu.tr](mailto:sedat.karaman@gop.edu.tr)

**POSTER PRESENTATION**

**(P-01) THE EUROPEAN UNION STRATEGY FOR THE DANUBE REGION, A FRAMEWORK FOR THE PROMOTION OF THE HERITAGE OF MULTI-ETHNIC AREAS**

**Alina Beatrice CHESCA<sup>1\*</sup>, Anisoara POPA<sup>1</sup>, Luiza FLOREA<sup>1</sup>**

<sup>1</sup>“Dunarea de Jos” University of Galați, Cross-Border Faculty, Department of General Sciences, Romania

\* Corresponding author: [transuei@ugal.ro](mailto:transuei@ugal.ro)

**(P-02) THE POTENTIAL OF PHOTOSYNTHETIC BIOMASS RESULTED FROM RAS AS VALUABLE SECONDARY SOURCE OF NUTRIENTS**

**Ana - Valentina ARDELEAN<sup>1,2\*</sup>, Cristina MOISESCU<sup>1</sup>, Ioan ARDELEAN<sup>1</sup>**

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

<sup>2</sup> University of Agronomic Sciences and Veterinary Medicine, 59 Blvd. Marasti, 011464, Bucharest, Romania

\* Corresponding author: [ana.i.ardelean@yahoo.com](mailto:ana.i.ardelean@yahoo.com)

**(P-03) EUROPEAN UNION STRATEGY FOR THE DANUBE REGION, COLLABORATION FRAMEWORK FOR THE BIOSPHERE RESERVATIONS OF ROMANIA AND THE REPUBLIC OF MOLDOVA**

**Anisoara POPA<sup>1\*</sup>, Alina Beatrice CHESĂ<sup>1</sup>, Luiza FLOREA<sup>1</sup>**

<sup>1</sup>Dunarea de Jos University of Galați, Cross-Border Faculty,  
Department of General Sciences, Romania

\* Corresponding author: [transuei@ugal.ro](mailto:transuei@ugal.ro)

**(P-04) THE BIOLOGICAL IMPORTANCE OF COMPLEX COMBINATIONS BASED ON PYRAZOLES**

**Anda-Maria BAROI<sup>1,2\*</sup>, Mihaela BADEA<sup>1</sup>**

<sup>1</sup>University of Bucharest, Faculty of Chemistry, Department of Inorganic Chemistry, 90-92 Panduri Str., 050663 Bucharest, Romania

<sup>2</sup>National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM Bucharest, Emerging Nanotechnologies Group, 202 Spl. Independentei, 060021, Bucharest, Romania

\* Corresponding author: [baroi\\_anda@yahoo.com](mailto:baroi_anda@yahoo.com)

**(P-05) RESEARCH ON THE EFFECTS OF PENDIGAN 330 EC HERBICIDE ON FIZIOLOGICAL INDICATORS AT CARASSIUS AURATUS GIBELIO BLOCH UNDER DIFFERENT EXPERIMENTAL CONDITIONS**

**Elena Diana BITU<sup>1\*</sup>, Magdalena Cristina ZAGARDAN<sup>1</sup>, Alexandru Gabriel MARINESCU<sup>1</sup>**

<sup>1</sup>University of Pitești, Faculty of Science, Physical Education and Informatics, Department of Natural Science, Târgu din Vale Street, No. 1, 110040 - Pitești, Romania.

\*Corresponding author: [bitudiana@yahoo.com](mailto:bitudiana@yahoo.com)

**(P-06) STUDY ON THE INFLUENCE OF CLIMATE CONDITIONS ON SOME CHARACTERS OF THE ELDERBERRY SELECTION**

***Mihaela BIZERA<sup>1,2\*</sup>, Simona GIURA<sup>2</sup>, Mădălina VULPE<sup>3</sup>, Mihai BOTU<sup>1,2</sup>***

<sup>1</sup>University of Craiova, Faculty of Horticulture, Department of Horticulture and Food Science

<sup>2</sup>University of Craiova - Fruit Growing Research and Extension Station (S.C.D.P.) Vâlcea.

<sup>3</sup>University of Pitești, Faculty of Sciences, Physical Education and Computer Science, Department of Natural Sciences

\* Corresponding author: [bizeramihaela@yahoo.com](mailto:bizeramihaela@yahoo.com)

**(P-07) RESEARCHES CONCERNING THE FIGHT AGAINST *CYDIA POMONELLA* L. FROM THE APPLE TREE PLANTATION IN THE NORD EAST AREA OF ROMANIA**

***Cristina Ionela BOBOC<sup>1</sup>, Ionel PERJU<sup>1\*</sup>, Ionuț Vasile UNGUREANU<sup>1</sup>, Sorina SIRBU<sup>1</sup>, Elena IUREA<sup>1</sup>, Mădălina Iuliana GHERGHEL<sup>1</sup>, Simona Mihaela CHELARU<sup>1</sup>***

<sup>1</sup> Research Station for Fruit Growing Iași, România

\* Corresponding author: [perju22@gmail.com](mailto:perju22@gmail.com)

**(P-08) THE BEHAVIOR OF SOME SUNFLOWER GENOTYPES UNDER ASPECT OF VARIABILITY OF THE PRODUCTIVITY ELEMENTS**

***Elena BONCIU<sup>1\*</sup>***

<sup>1</sup> University of Craiova, Faculty of Agronomy, Libertatii Street, no 10, Craiova, Dolj, Romania

\* Corresponding author: [elena.agro@gmail.com](mailto:elena.agro@gmail.com)

**(P-09) SYNTHESIS, CHARACTERIZATION AND EVALUATION OF CYTOTOXIC, PHYTOTOXIC AND ANTIMICROBIAL PROPERTIES OF DECORATED APATITIC MATERIALS**

**Roxana Ioana BRAZDIS<sup>1,2\*</sup>, Lavinia RUTA<sup>1</sup>, Ileana FARCASANU<sup>1</sup>, Radu Claudiu FIERASCU<sup>2</sup>, Lia Mara DITU<sup>3</sup>, Anca Nicoleta SUTAN<sup>4</sup>, Liliana Cristina SOARE<sup>4</sup>**

<sup>1</sup>University of Bucharest, Faculty of Chemistry, Department of Organic Chemistry, Biochemistry and Catalysis, 90-92 Panduri Str., 050663 Bucharest, Romania

<sup>2</sup>National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM Bucharest, Emerging Nanotechnologies Group, 202 Spl. Independentei, 060021, Bucharest, Romania

<sup>3</sup>University of Bucharest, Microbiology Department, 1-3 Alea Portocalelor, 060101 Bucharest, Romania

<sup>4</sup>University of Pitesti, Department of Natural Sciences, 1 Targu din Vale Str., 110040, Pitesti, Arges, Romania

\* Corresponding author: [roxana.brazdis@gmail.com](mailto:roxana.brazdis@gmail.com)

**(P-10) ISOLATION OF GLOEOSPORIUM FRUCTIGENUM FROM IDARED APPLE VARIETY**

**Camelia UNGUREANU<sup>1\*</sup>, Liliana Cristina SOARE<sup>2</sup>, Mirela CALINESCU<sup>3</sup>, Diana VIZITIU<sup>4</sup>, Irina FIERASCU<sup>5</sup>, Radu Claudiu FIERASCU<sup>5</sup>**

<sup>1</sup>Department of General Chemistry, University “Politehnica” of Bucharest, Polizu Str., 011061, Bucharest, Romania

<sup>2</sup>University of Pitesti, 1 Targul din Vale Street, 110040, Pitești, Argeș County, Romania

<sup>3</sup>Research Institute for Fruit Growing Pitesti – Mărăcineni, 117450 Mărăcineni, 402, Mărului Str. Argeș County, 110006, Romania

<sup>4</sup>National Research and Development Institute for Biotechnology in Horticulture Ștefănești Argeș, Ștefanesti City, Soseaua Bucharest – Pitesti Street, No 37, Arges, 117715, Romania

<sup>5</sup>The National Institute for Research & Development in Chemistry and Petrochemistry, ICECHIM, 202 Spl. Independentei, 060021, Bucharest, Romania

\* Corresponding author: [ungureanucamelia@gmail.com](mailto:ungureanucamelia@gmail.com)

**(P-11) THE EFFECT OF HYPOXIA ON FISH**

**Cătălina CIOBANU<sup>1\*</sup>, Octavian DRĂGHICI<sup>1</sup>,  
Maria Cristina PONEPAL<sup>1</sup>, Alina PĂUNESCU<sup>1</sup>, Diana BIȚU<sup>1</sup>,  
Claudiu BACIU<sup>1</sup>, Alexandru Gabriel MARINESCU<sup>1</sup>**

<sup>1</sup>University of Pitești, Faculty of Science, Physical Education and Informatics, Department of Natural Science, Târgu din Vale Street, No. 1, 110040 - Pitești, Romania.

\* Corresponding author: [catalinaciobanu2007@yahoo.com](mailto:catalinaciobanu2007@yahoo.com)

**(P-12) THE ACTION OF  $\text{BASO}_4$  ON SOME  
PHYSIOLOGICAL INDEXES AT *CARASSIUS AURATUS*  
*GIBELIO* BLOCH L. 1758**

**Claudiu Alexandru BACIU<sup>1\*</sup>, Alexandru Gabriel MARINESCU<sup>1</sup>**

<sup>1</sup>University of Pitești, Faculty of Science, Physical Education and Informatics, Department of Natural Science, Târgu din Vale Street, No. 1, 110040 - Pitești, Romania.

\* Corresponding author: [claudiu\\_alexandru88@yahoo.com](mailto:claudiu_alexandru88@yahoo.com)

**(P-13) URBAN BIODIVERSITY. ECOLOGICAL RESEARCH  
ON THE AVIFAUNA OF URBAN PARKS**

**Maria Denisa CONETE<sup>1\*</sup>, Denisa MATEIESCU<sup>1</sup>,  
Alice STUPARU<sup>1</sup>**

<sup>1</sup>University of Pitești, Faculty of Sciences, Physical Education and Informatics, Department of Natural Sciences, 1 Targul din Vale Street, 110040, Pitești, Argeș County, Romania

\* Corresponding author: [denisa\\_conete@yahoo.com](mailto:denisa_conete@yahoo.com)

**(P-14) ASSESSMENT OF THE PARTICIPATION OF PLANT  
RESIDUES FROM DIFFERENT CROPS IN THE SOIL  
NUTRIENT BALANCE**

**Diana INDOITU<sup>1\*</sup>**

<sup>1</sup>The State Agrarian University of Moldova, Str. Mircesti 44, Chisinau 2049 Moldova

\* Corresponding author: [ind.diana@hotmail.com](mailto:ind.diana@hotmail.com)

**(P-15) ZOOGEOGRAPHIC DISTRIBUTION OF SOME INVERTEBRATE SPECIES IDENTIFIED IN THE LEAOTA MOUNTAINS, SOUTHERN CARPATHIANS, ROMANIA.**

*Magdalin Leonard DOROBAT<sup>1</sup>, Eugen NITZU<sup>2</sup>, Ionut POPA<sup>2</sup>,  
Andrei GIURGINCA<sup>2</sup>, Stefan BABA<sup>2</sup>,  
Codruta Mihaela DOBRESCU<sup>1\*</sup>, Augustin NAE<sup>2</sup>*

<sup>1</sup>University of Pitești, Faculty of Science, Physical Education and Informatics, Department of Natural Science, Târgu din Vale Street, No. 1, 110040 - Pitești, Romania.

<sup>2</sup>"Emil Racoviță" Institute of Speleology, Calea 13 Septembrie, No. 13, 050711 - Bucharest, Romania.

\* Corresponding author: [codrutza\\_dobrescu@yahoo.com](mailto:codrutza_dobrescu@yahoo.com)

**(P-16) TYPE 2 DIABETES - CASE STUDY**

*Elena Evelina Codruta FILIP<sup>1\*</sup>, Alexandru Gabriel MARINESCU<sup>1</sup>*

<sup>1</sup>University of Pitești, Faculty of Science, Physical Education and Informatics, Department of Natural Science, Târgu din Vale Street, No. 1, 110040 - Pitești, Romania.

\* Corresponding author: [evelinafilip@yahoo.com](mailto:evelinafilip@yahoo.com)

**(P-17) PROTECTIVE ROLE OF TANNIC ACID AGAINST COPPER-INDUCED LIPID PEROXIDATION IN RATS**

*Hattf Bazool FARHOOD<sup>1\*</sup>*

<sup>1</sup>Department of Biochemistry and Molecular Biology, Faculty of Biology, University of Bucharest.

\* corresponding author: [hutmoh@yahoo.com](mailto:hutmoh@yahoo.com)

**(P-18) ASPECTS OF SIMULTANEOUS CONTROL OF THE PATHOGENS AND PESTS ON CUCUMBER CROPS UNDER HIGH PLASTIC TUNNELS**

*Gabriela SOVĂREL<sup>1\*</sup>, Marcel COSTACHE<sup>1</sup>,  
Ana-Emilia CENUSA<sup>1</sup>, Simona Stefania HOGEA<sup>1</sup>*

<sup>1</sup>Research and Development Institute for Vegetable and Flower Growing, Vidra, Romania

\* Corresponding author: [gabriela\\_sovarel@yahoo.com](mailto:gabriela_sovarel@yahoo.com)

**(P-19) PHYTOSYNTHESIS OF METALLIC NANOPARTICLES FROM BY-PRODUCTS OF AGRICULTURE AND FOOD-PROCESSING INDUSTRIES**

***Radu Claudiu FIERASCU<sup>1</sup>, Irina FIERASCU<sup>1\*</sup>,  
Anda Maria BAROI<sup>1</sup>, Roxana Ioana BRAZDIS<sup>1</sup>, Toma FISTOS<sup>1</sup>,  
Cristina Liliana SOARE<sup>2</sup>***

<sup>1</sup>National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM Bucharest, Emerging Nanotechnologies Group, 202 Spl. Independentei, 060021, Bucharest, Romania

<sup>2</sup>University of Pitesti, Department of Natural Sciences, 1 Targu din Vale Str., 110040, Pitesti, Arges, Romania

\* Corresponding author: [dumitriu.irina@yahoo.com](mailto:dumitriu.irina@yahoo.com)

**(P-20) PLANTS: FROM THEIR ANTIQUITY USE TO THEIR CONTEMPORARY CULTURAL HERITAGE CHARACTER**

***Irina FIERASCU<sup>1</sup>, Radu Claudiu FIERASCU<sup>1\*</sup>,  
Anda Maria BAROI<sup>1</sup>, Roxana Ioana BRAZDIS<sup>1</sup>, Toma FISTOS<sup>1</sup>***

<sup>1</sup>National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM Bucharest, Emerging Nanotechnologies Group, 202 Spl. Independentei, 060021, Bucharest, Romania

\* Corresponding author: [radu\\_claudiu\\_fierascu@yahoo.com](mailto:radu_claudiu_fierascu@yahoo.com)

**(P-21) INSIGHT ON PHYSICO-CHEMICAL PROPERTIES OF SOME Cu (II) COMPLEXES BEARING 2-HYDROXY-3-METHOXYBENZALDEHYDE SEMICARBAZONE AS LIGAND**

***Toma FISTOS<sup>1,2\*</sup>, Mihaela BADEA<sup>1</sup>, Rodica OLAR<sup>1</sup>***

<sup>1</sup>University of Bucharest, Faculty of Chemistry, Department of Inorganic Chemistry, 90-92 Panduri Str., 050663 Bucharest, Romania

<sup>2</sup>National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM Bucharest, Emerging Nanotechnologies Group, 202 Spl. Independentei, 060021, Bucharest, Romania

\* Corresponding author: [tomafistos@yahoo.com](mailto:tomafistos@yahoo.com)

**(P-22) CONTROLLING OF THE MAIN PATHOGENS ON  
MELON CROPS UNDER HIGH PLASTIC TUNNELS**

***Gabriela SOVĂREL<sup>1\*</sup>, Marcel COSTACHE<sup>1</sup>, Ana-Emilia  
CENUSĂ<sup>1</sup>, Simona Ștefania HOGEA<sup>1</sup>***

<sup>1</sup>Research and Development Institute for Vegetable and Flower  
Growing, Vidra, Romania

\* Corresponding author: [gabriela\\_sovarel@yahoo.com](mailto:gabriela_sovarel@yahoo.com)

**(P-23) THE STRUCTURE, FUNCTIONAL STATUS AND FISH  
DIVERSITY IN GALBENI LAKE**

***Daniela Cristina IBANESCU<sup>1\*</sup>, Aurelia NICA<sup>1</sup>, Adina POPESCU<sup>1</sup>***

<sup>1</sup>Universitatea Dunărea de Jos, Galați, Romania

\* Corresponding author: [daniela.gheorghe@ugal.ro](mailto:daniela.gheorghe@ugal.ro)

**(P-24) THE RARE SPECIES OF FISH IN THE LOWER PRUT  
RIVER IN THE NATIONAL AND EUROPEAN CONTEXT**

***Luiza FLOREA<sup>1\*</sup>***

<sup>1</sup>Dunarea de Jos University of Galati, Cross-Border Faculty,  
Department of General Sciences, Galati, Romania

\* Corresponding author: [transuei@ugal.ro](mailto:transuei@ugal.ro)

**(P-25) PRESENCE OF ASIAN CYPRINIDS SPECIES IN THE  
LOWER PRUT RIVER**

***Luiza FLOREA<sup>1\*</sup>***

<sup>1</sup>Dunarea de Jos University of Galati, Cross-Border Faculty,  
Department of General Sciences, Galati, Romania

\* Corresponding author: [transuei@ugal.ro](mailto:transuei@ugal.ro)

**(P-26) HUMAN INFLUENCE ON THE CLIMATE SYSTEM**

***Aurelia NICA<sup>1\*</sup>, Daniela Cristina IBANESCU<sup>1</sup>, Adina POPESCU<sup>1</sup>***

<sup>1</sup>Dunarea de Jos University of Galati, Str. Domnească, nr. 47, Galati,  
Romania

\* Corresponding author: [anica@ugal.ro](mailto:anica@ugal.ro)



**(P-27) 6-HYDROXY-L-NICOTINE EFFECTS ON OPEN FIELD ACTIVITY IN THE RAT: IMPLICATIONS FOR A MODEL OF ANXIETY WITH CHLORISONDAMINE**

**Mihai-Vlad VALU<sup>1\*</sup>, Radu IONITĂ<sup>2</sup>**

<sup>1</sup>University of Pitesti, Department of Natural Sciences, 1 Târgu din Vale Str., 110040, Pitesti, Arges, Romania

<sup>2</sup>University of Iași, Iași, Romania

\* Corresponding author: [mihai.valu@upit.ro](mailto:mihai.valu@upit.ro)

**(P-28) LUNG PATHOLOGY AT ALLOXAN-DIABETES MICE TREATED WITH VEGETAL EXTRACT OF *ARONIA MELANOCARPA***

**Monica BUCĂ<sup>1\*</sup>, Paul DICU<sup>1</sup>, Alina PĂUNESCU<sup>1</sup>, Cristina Maria PONEPAL<sup>1</sup>, Alexandru Gabriel MARINESCU<sup>1</sup>**

<sup>1</sup>University of Pitesti, Department of Natural Sciences, 1 Târgu din Vale Str., 110040, Pitesti, Arges, Romania

\* Corresponding author: [monicab\\_2016@yahoo.com](mailto:monicab_2016@yahoo.com)

**(P-29) INFLUENCE OF ENVIRONMENTAL FACTORS ON THE OCCURRENCE OF DIABETES IN CHILDREN**

**Aurelia NICA<sup>1\*</sup>, Adina POPESCU<sup>1</sup>,**

**Daniela Cristina IBĂNESCU<sup>1</sup>,**

<sup>1</sup>Dunarea de Jos University of Galati, Str. Domnească, nr. 47, Galati, Romania

\* Corresponding author: [anica@ugal.ro](mailto:anica@ugal.ro)

**(P-30) RESEARCH ON THE INFLUENCE OF TEMPERATURE AND WATER HARDNESS ON BREATHING IN SOME FISH SPECIES**

**Maria Cristina PONEPAL<sup>1\*</sup>, Alina PĂUNESCU<sup>1</sup>**

<sup>1</sup>University of Pitesti, Department of Natural Sciences, 1 Targu din Vale street, 110040, Pitesti, Arges County, Romania

\* Corresponding author: [ponepal\\_maria@yahoo.com](mailto:ponepal_maria@yahoo.com)

**(P-31) CONSIDERATIONS REGARDING TRITICUM PHYTOTOXICITY TEST**

*Oana Alexandra DRĂGHICEANU<sup>1\*</sup>, Irina FIERĂSCU<sup>2</sup>, Radu Claudiu FIERĂSCU<sup>2</sup>, Roxana BRADZIS<sup>2</sup>, Codruta Mihaela DOBRESCU<sup>1</sup>, Liliana Cristina SOARE<sup>1</sup>*

<sup>1</sup>University of Pitesti, Department of Natural Sciences, 1 Targu din Vale street, 110040, Pitesti, Arges County, Romania

<sup>2</sup>National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM Bucharest, Emerging Nanotechnologies Group, 202 Spl. Independentei, 060021, Bucharest, Romania

\* Corresponding author: [o\\_draghiceanu@yahoo.com](mailto:o_draghiceanu@yahoo.com)

**(P-32) OSTEOLOGICAL ANALYSIS OF A HUMAN SKELETON WITH ARTIFICIAL CRANIAL DEFORMATION EXHUMED FROM TIMISOARA - FREIDORF (5TH CENTURY AD)**

*Stefan POPA<sup>1\*</sup>, Ionela – Marilena SLEJIUC<sup>1</sup>, Rodica TÖRÖK-OANCE<sup>2</sup>*

<sup>1</sup>National Museum of Banat

<sup>2</sup>West University of Timișoara, Faculty of Chemistry, Biology, Geography, Romania

\* Corresponding author: [popa.stefan11.28@gmail.com](mailto:popa.stefan11.28@gmail.com)

**(P-33) FEEDING OF SOME GOBIIDAE SPECIES FROM THE ROMANIAN LITTORAL BLACK SEA**

*Adina POPESCU<sup>1\*</sup>, Daniela Cristina IBĂNESCU<sup>1</sup>,*

<sup>1</sup>Dunarea de Jos University of Galati, Str. Domnească, nr. 47, Galati, Romania

\* Corresponding author: [adina.popescu@ugal.ro](mailto:adina.popescu@ugal.ro)

**(P-34) AGRI-ENVIRONMENT MEASURES APPLIED BY FARMERS FROM ARGES COUNTY IN ROMANIA**

*Gheorghe Cristian POPESCU<sup>1\*</sup>*

<sup>1</sup>University of Pitesti, Romania

\* Corresponding author: [christian\\_popescu2000@yahoo.com](mailto:christian_popescu2000@yahoo.com)

**(P-35) STUDY THE COMPLEX DISEASE BETWEEN THE *FUSARIUM OXYSPORUM* AND NEMATODE *MELOIDOGYNE JAVANICA* ON CUCUMBER AND THE POSSIBILITY OF BIOCONTROL IT BY BIO-FUNGUS *TRICHODERMA HARZIANUM***

**Mohammed Naithel RADHI<sup>1\*</sup>**

<sup>1</sup>University of Thi-Qar, College of Agriculture and Marshes, Horticulture Department, Iraq

\* Corresponding author: [mradhi84@yahoo.com](mailto:mradhi84@yahoo.com)

**(P-36) THE EFFECTS OF CLINOPTILOLITE FROM FEED UPON FISH REARING AND WATER QUALITY - A REVIEW**  
***Steluta Camelia SAVA<sup>1\*</sup>, Elena POGURSCHI<sup>1</sup>, Gratiela BAHACIU<sup>1</sup>, Nela DRAGOMIR<sup>1</sup>, Carmen Georgeta NICOLAE<sup>1</sup>***

<sup>1</sup>University of Agronomic Sciences and Veterinary Medicine of Bucharest

\* Corresponding author: [savacamelia64@yahoo.com](mailto:savacamelia64@yahoo.com)

**(P-37) DISTRIBUTION OF REPTILE SPECIES IN TIMIȘ COUNTY (WEST ROMANIA)**

***Ionela – Marilena SLEJIUC<sup>1\*</sup>, Stefan POPA<sup>1</sup>***

<sup>1</sup> National Museum of Banat, 4, Martin Luther Str, Timisoara, Timis, 300054, Romania

\* Corresponding author: [ionela.slejiuc93@e-uvr.ro](mailto:ionela.slejiuc93@e-uvr.ro)

**(P-38) EXTRACTION OF FRUCTANS FROM PARSNIP (*PASTINACA SATIVA*) DEVELOPED BY ULTRASOUND-ASSISTED AND ENZYME-ASSISTED TECHNOLOGIES**

***Andreea-Cristina TECUCIANU<sup>1\*</sup>, Simona OANCEA<sup>1</sup>***

<sup>1</sup>Departament of Agricultural Sciences and Food Engineering, "Lucian Blaga" University of Sibiu, 5-7 Ion Ratiu Street, Sibiu, 550012, Romania

\*corresponding author: [andreea.stroe@ulbsibiu.ro](mailto:andreea.stroe@ulbsibiu.ro)

**(P-39) RESEARCH REGARDING THE INFLUENCE OF PHARMACEUTICAL SUBSTANCES ON THE GAMETOPHYTE OF SOME FERNS SPECIES**

***Liliana Cristina SOARE<sup>1\*</sup>, Irina FIERĂSCU<sup>2</sup>, Radu Claudiu FIERĂSCU<sup>2</sup>, Nicoleta Doruța BĂTUT<sup>1</sup>, Codruța Mihaela DOBRESCU<sup>1</sup>, Oana Alexandra DRĂGHICEANU<sup>1</sup>***

<sup>1</sup>University of Pitești, Department of Natural Sciences, 1 Târgu din Vale street, 110040, Pitesti, Argeș County, Romania

<sup>2</sup>National Institute for Research & Development in Chemistry and Petrochemistry – ICECHIM Bucharest, Emerging Nanotechnologies Group, 202 Spl. Independentei, 060021, Bucharest, Romania

\* Corresponding author: [soleil\\_cri@yahoo.com](mailto:soleil_cri@yahoo.com)

**(P-40) COMPARATIVE STUDY OF THE SUBSTRATE INFLUENCE ON THE GERMINATION AND DEVELOPMENT OF RILA TOMATO SEEDLINGS**

***Florina ULEANU<sup>1\*</sup>, Daniela GIOSANU<sup>1</sup>, Mădălina VULPE<sup>1</sup>, Adriana BĂDULESCU<sup>2</sup>***

<sup>1</sup>University of Pitesti, Romania

<sup>2</sup>INCDBH Ștefănești, Argeș, Romania

\*corresponding author: [uleanuflorina@yahoo.ro](mailto:uleanuflorina@yahoo.ro)

**(P-41) RESEARCH ON THE EFFECTS OF DIFFERENT TECHNOLOGY SEQUENCES ON THE SHALLOTS GROWTH AND DEVELOPMENT**

***Florina ULEANU<sup>1\*</sup>, Daniela GIOSANU<sup>1</sup>, Mădălina VULPE<sup>1</sup>, Adriana GHEORGHE<sup>1</sup>***

<sup>1</sup>University of Pitesti, Romania

\* Corresponding author: [uleanuflorina@yahoo.ro](mailto:uleanuflorina@yahoo.ro)

**(P-42) RESEARCHES CONCERNING THE ASSESSMENT OF THE AGROPRODUCTIVE POTENTIAL OF NEW CHERRY VARIETIES IN CLIMATIC CONDITIONS IN NORTH- EAST OF ROMANIA**

*Ionut Vasile UNGUREANU<sup>1\*</sup>, Mihai ISTRATE<sup>2</sup>, Ionel Perju<sup>1</sup>, Margareta CORNEANU<sup>1</sup>, Marius DASCĂLU<sup>2</sup>, Cristina ZLATI<sup>2</sup>*

<sup>1</sup>Research Station for Fruit Growing Iasi, Romania

<sup>2</sup>University of Agricultural Sciences and Veterinary Medicine Iasi, Romania

\* Corresponding author: [ungureanu\\_ionut91@yahoo.ro](mailto:ungureanu_ionut91@yahoo.ro)

**(P-43) THE USE OF ENZYMATIC LABORATORY INDICES AST AND ALT CONCERNING MONITORING ALCOHOLIC LIVER DISEASE FOR ARGES COUNTY POPULATION**

*Magdalena Cristina ZAGARDAN<sup>1\*</sup>, Monica BUCĂ<sup>1</sup>, Elena Diana BITU<sup>1</sup>, Mădălina Elena SCARLAT<sup>1</sup>, Alina PĂUNESCU<sup>1</sup>, Cristina PONEPAL<sup>1</sup>*

<sup>1</sup>University of Pitești, Department of Natural Sciences, 1 Târgu din Vale street, 110040, Pitesti, Argeș County, Romania

\* Corresponding author: [voicacris@yahoo.com](mailto:voicacris@yahoo.com)

**(P-44) ASPECTS REGARDING SEEDLING PRODUCTION OF DECIDUOUS TREES IN RECIPIENTS, WITHIN VOIVODENI NURSERY**

*Alina Maria TRUTA (VILCAN)<sup>1</sup>, Liviu HOLONEC<sup>1\*</sup>, Oana VIMAN<sup>1</sup>, Horia D. VLASIN<sup>1</sup>, Ilie COVRIG<sup>1</sup>, Steluta SINGEORZAN<sup>1</sup>, Petru TRUTA<sup>1</sup>*

<sup>1</sup>University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania

\* Corresponding author: [lholonec@yahoo.com](mailto:lholonec@yahoo.com)

**(P-45) THE INFLUENCE OF SOME CHEMICAL SUBSTANCES IN SEEDS' GERMINATION STIMULATION AND HONEY LOCUST PLANTLETS' DEVELOPMENT (*GLEDITSIA TRIACANTHOS* L.)**

**Liviu HOLONEC<sup>1</sup>, Alina Maria TRUTA (VILCAN)<sup>1\*</sup>, Oana VIMAN<sup>1</sup>, Vasile SIMONCA<sup>1</sup>, Steluta SINGEORZAN<sup>1</sup>, Petru TRUTA<sup>1</sup>**

<sup>1</sup>University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca

\*Corresponding author: [alina\\_vilcan@yahoo.com](mailto:alina_vilcan@yahoo.com)

**(P-46) RESEARCHES ON THE AQUATIC FAUNA OF CÂRCINOV RIVER**

**Alina – Mihaela TRUȚĂ<sup>1\*</sup>, Liviu NICOLESCU<sup>1</sup>**

<sup>1</sup>University of Pitești, Department of Natural Sciences, 1 Târgu din Vale Street, 110040, Pitești, Argeș County, Romania

\*Corresponding author: [alina.vladutu@upit.ro](mailto:alina.vladutu@upit.ro)

**(P-47) THE ROLE OF NATURAL EXTRACTS AS ALLEVIATORS OF SALT STRESS IN PLANTS**

**Cristina BOIAN<sup>1</sup>, Georgiana RUSU<sup>1</sup>, Cătălina UDROIU<sup>1</sup>, Nisarg MEHTA<sup>2</sup>, Monica POPESCU<sup>1\*</sup>**

<sup>1</sup>University of Pitești, Department of Natural Sciences, 1 Târgu din Vale Street, 110040, Pitești, Argeș County, Romania

<sup>2</sup>Marwadi University, India

\* Corresponding author: [monica\\_26\\_10@yahoo.com](mailto:monica_26_10@yahoo.com)

**(P-48) THE BREATH - THE EXPERIENCE OF BEING PRESENT**

**Ileana-Loredana VITALIA<sup>1\*</sup>**

<sup>1</sup> University of Pitesti, Department of Psychology, Communication Sciences and Social Assistance, Pitesti, Romania

\*Corresponding author: [ileanavitalia@yahoo.com](mailto:ileanavitalia@yahoo.com)

**(P-49) EFFICIENT SEPARATION OF  
NAPHTHODIANTHRONES FROM ST. JOHN'S WORT  
EXTRACT BY SEQUENTIAL LIQUID-LIQUID  
EXTRACTION AND SPE**

***Sorin Marius AVRAMESCU<sup>1,2\*</sup>, Ionut MORARU<sup>3</sup>,  
Simona SPINU<sup>1</sup>, Alina ORTAN<sup>1</sup>***

<sup>1</sup>University of Agronomic Sciences and Veterinary Medicine of  
Bucharest, 59 Mărăști Blvd., 011464, Bucharest, Romania;

<sup>2</sup> University of Bucharest, PROTMED Research Center, 91-95 Spl.  
Independentei, 050095, Bucharest, Romania

<sup>3</sup> S.C. Laboratoare Medicale S.A., Otopeni, Romania

\*Corresponding author: [sorin\\_avramescu@yahoo.com](mailto:sorin_avramescu@yahoo.com)

**(P-50) THE INFLUENCE OF THE GLOBAL WARMING  
REGARDING THE FLIGHT PERIOD, THE BIOLOGY AND  
THE ECOLOGY OF SOME BUTTERFLIES AND MOTHS  
FROM THE NORTH WESTERN PART OF ROMANIA  
(TINCA AREA, BIHOR COUNTY)**

***Aurelian Leonardo ILIE<sup>1</sup>, Nicolae JIGA<sup>1</sup>,  
Mariana MARINESCU<sup>2\*</sup>***

<sup>1</sup> High School, Tinca, Bihor county

<sup>2</sup>Teacher Training Department, University of Oradea, Bihor county

\* Corresponding author: [marinescum54@yahoo.com](mailto:marinescum54@yahoo.com)

**(P-51) LEAF BEETLES (CHRYSOMELIDAE, COLEOPTERA)  
OF TINCA AREA (BIHOR COUNTY, ROMANIA)**

***Aurelian Leonardo ILIE<sup>1</sup>, Nicolae JIGA<sup>1</sup>,  
Mariana MARINESCU<sup>2\*</sup>, Lorena Cosma ILIE<sup>3</sup>***

<sup>1</sup> High School, Tinca, Bihor county

<sup>2</sup>Teacher Training Department, University of Oradea, Bihor county

<sup>3</sup>Gymnasium School No. 1, Batar, Bihor county

\* Corresponding author: [marinescum54@yahoo.com](mailto:marinescum54@yahoo.com)

**(P-52) RELAXATION AND CREATIVE MEDITATION  
CENTERED ON NATURE HELPS IN ACTIVATING COPING  
MECHANISMS**

**Nicoleta RĂBAN MOTOUNU<sup>1\*</sup>**

<sup>1</sup> University of Pitesti, Faculty of Educational Sciences, Social Sciences and Psychology; Psychology, Communication Sciences and Social Assistance Department, Pitesti, Romania

\* Corresponding author: [nicoleta.motounu@upit.ro](mailto:nicoleta.motounu@upit.ro)

**(P-53) PHYSICO-CHEMICAL CHARACTERIZATION OF  
SOME WALNUT FRUITS COLLECTED IN 2018 FROM  
UNIVERSITY OF CRAIOVA - S.C.D.P. VÂLCEA, ROMÂNIA**

**Mihaela BIZERA<sup>1,2\*</sup>, Simona GIURA<sup>1</sup>, Anca SCUTELNICU<sup>1</sup>,  
Silvia PREDA<sup>1</sup>, Mihai BOTU<sup>1,2</sup>, Loredana Elena VÎJAN<sup>3</sup>**

<sup>1</sup>University of Craiova - Fruit Growing Research and Extension Station (S.C.D.P.) Vâlcea;

<sup>2</sup>University of Craiova, Faculty of Horticulture, Department of Horticulture and Food Science

<sup>3</sup>University of Pitești, Faculty of Sciences, Physical Education and Computer Science, Department of Natural Sciences

\* Corresponding author: [bizeramihaela@yahoo.com](mailto:bizeramihaela@yahoo.com)

**(P-54) THE ROLE AND INFLUENCE OF ABIOTIC  
FACTORS IN LEMNA MINOR GROWTH AND  
PRODUCTIVITY UNDER EXPERIMENTAL LABORATORY  
CONDITIONS**

**Nicolai CRĂCIUN<sup>1,2\*</sup>, Cristian Emilian POP<sup>1</sup>, Cosmin Alexandru  
MUNTEANU<sup>1,2</sup>, Cătălin DINU<sup>2</sup>, Denis DULUBEI<sup>2</sup>, Adelina  
DUMITRESCU<sup>2</sup>, Anca VÂRCOLICI<sup>2</sup>, Valentin JUJEA<sup>1</sup>, Dorin  
Lucian HANGANU<sup>1</sup>**

<sup>1</sup> Ecological Society Aquaterra

<sup>2</sup> Faculty of Biology, University of Bucharest

\* Corresponding author: [nicolai.craciun@yahoo.com](mailto:nicolai.craciun@yahoo.com)



**(P-55) *PAULOWNIA TOMENTOSA* – NEW SPECIES FOR THE INDUSTRIAL LANDSCAPING**

***Olena DUBOVA*<sup>1\*</sup>, *Olena VOITOVYCH*<sup>1</sup>**

<sup>1</sup> Zaporizhzhia National University, the Department of Landscape Design and Genetics, Ukraine

\* Corresponding author: [edubova17@gmail.com](mailto:edubova17@gmail.com)

**(P-56) PHYTOTOXICITY OF CADMIUM AND LEAD IN SOME MEDICINAL PLANT SPECIES**

***Maria Alexandra PAP*<sup>1</sup>, *Denisa PINTUR*<sup>1</sup>, *Monica POPESCU*<sup>1,\*</sup>**

<sup>1</sup>University of Pitesti, Romania

\* Corresponding author: [monica\\_26\\_10@yahoo.com](mailto:monica_26_10@yahoo.com)

**(P-57) ENTERIC INFECTION WITH *CLOSTRIDIUM* BACTERIA IN ARGES POPULATION**

***Ionica DELIU*<sup>1\*</sup>, *Ioana LIXANDRU*<sup>1</sup>**

<sup>1</sup>University of Pitesti, Romania

\* Corresponding author: [ionica.deliu@upit.ro](mailto:ionica.deliu@upit.ro)

NOTES







