

**SYMPOSIUM  
'ECOLOGY AND PROTECTION OF  
ECOSYSTEMS' THE XII<sup>TH</sup> EDITION**

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2<sup>nd</sup> – 4<sup>th</sup> of November 2017  
BACAU, ROMANIA

**PROGRAMME**

2017



## Honorary Committee

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**PhD Professor CONSTANTIN TOMA**, member of the Romanian Academy, "Alexandru Ioan Cuza" University, Iasi

**PhD Professor ION TODERAȘ**, member of Academy of Science of Moldova

**PhD DUMITRU MURARIU C.M.** of the Romanian Academy, senior researcher, Institute of Biology, Bucharest

**PhD Professor DAN COGĂLNICEANU**, C.M. of the Romanian Academy, "Ovidius" University, Constanta

**PhD Professor GHEORGHE GLĂMAN**, member of the Academy of Agricultural and Forestry Sciences, president of Romanian Horticulture Association

## Scientific committee

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**PhD Associate Professor ANGELA MARIA BĂNĂDUC**, Dean of the Faculty of Sciences, "Lucian Blaga" University, Sibiu

**PhD MIHAIL COMAN**, senior researcher, manager of the Research and Development Institute for Fruit Trees, Pitesti-Maracineni

**PhD Associate Professor MIHAI LEȘANU**, Dean of the Faculty of Biology and Pedology, Moldova State University, Chisinau

**PhD Professor VALENTIN NEDEFF**, President of the Senate of "Vasile Alecsandri" University, Bacau

**PhD Professor MIRCEA NICOARĂ**, Faculty of Biology, "Alexandru Ioan Cuza" University, Iasi

**PhD LUIS-OVIDIU POPA**, general manager of National Museum of Natural History "Grigore Antipa", Bucharest

**PhD Associate Professor FERDINANT PRICOPE**, "Vasile Alecsandri" University of Bacau

**PhD Associate Professor MARIA PRISECARU**, "Vasile Alecsandri" University of Bacau

**PhD Professor IOAN VIOREL RAȚI**, "Vasile Alecsandri" University of Bacau

**PhD Professor GETA RIȘNOVEANU**, Faculty of Biology, University of Bucharest

**PhD Professor CAROL SCHNAKOVSKY**, Rector of "Vasile Alecsandri" University of Bacau

**PhD Professor ERIKA SCHNEIDER**, Karlsruhe University, Germany  
**PhD Associate Professor MARIUS SKOLKA**, Dean of the Faculty of Natural and Agricultural Sciences, "Ovidius" University of Constanta  
**PhD Professor FLORIN STĂNICĂ**, vicerector of the University of Agronomic Sciences and Veterinary Medicine, Bucharest  
**PhD MARIAN TUDOR**, general manager of "Danube Delta" National Institute for Research and Development, Tulcea  
**PhD Professor LAURENȚIA UNGUREANU**, scientific director of the Institute of Zoology, Academy of Sciences of Moldova, Chisinau  
**PhD Associate Professor DOREL URECHE**, vicepresident of the Institute for Research, Development, Innovation, Consulting, and Technological Transfer, "Vasile Alecsandri" University of Bacau  
**PhD Professor ANGHELUȚĂ VĂDINEANU**, Faculty of Biology, University of Bucharest

### **Organizing Committee**

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PhD Professor IOAN VIOREL RAȚI  
PhD Associate Professor DOREL URECHE  
PhD Associate Professor CAMELIA URECHE  
PhD Lecturer ROXANA ELENA VOICU  
PhD Lecturer DANIELA NICUȚĂ  
PhD Lecturer DUMITRA RĂDUCANU

Secretariate: PhD Lecturer ROXANA ELENA VOICU

## **SESSION PROGRAM**

**Thursday, November 2<sup>nd</sup> 2017**

**"Vasile Alecsandri" University of Bacau, Building A**

16:00 – 19:00 - Samples reception for Competition of apple tasting (2<sup>nd</sup> Edition) (D 117)

16:00 – 21:00 - Registration of participants (A II 14)

**Friday, November 3<sup>rd</sup> 2017**

**"Vasile Alecsandri" University of Bacau, Building D, Aula**

08:00 – 09:00 - Registration of participants – central hall, 1<sup>st</sup> floor, Building D

- Samples reception for Competition of apple tasting (2<sup>nd</sup> Edition) (D 117)

09:00 – 11:10 - The official opening of the Symposium "Ecology and protection of ecosystems 2017"

- Invited speakers

**PhD Professor CONSTANTIN TOMA** - member of the Romanian Academy  
*Vegetal Genius and Animal Genius*

**Phd Professor FLORIN STĂNICĂ**  
*New technologies for sustainable fruit growing*

**Phd Associate Professor COSTIN LIANU**  
*Business center for export Bacau support for potential exporting SME's*

11:10 – 11:30 - Coffee break

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11:30 – 13:00 - Invited speakers

**PhD DUMITRU MURARIU** - C.M. of the Romanian Academy

*Actuality of Grigore Antipa's principles and problems in topic of the Danube flooding areas improvements*

**Phd Professor DAN COGĂLNICEANU** - C.M. of the Romanian Academy

*Biodiversity of Ecuador – a study case focused on amphibians*

**Phd Professor ANGHELUȚĂ VĂDINEANU**

*Agenda 2030: provocare și oportunitate pentru comunitatea profesională în ecologie și sustenabilitatea dezvoltării*

13:00 – 14:30 - Lunch break, apples exhibition

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### **Building D, 1st floor, Senate Hall**

11:10 – 13:00 - Competition of apple tasting (2<sup>nd</sup> Edition)

- Scientific debates on fruit growing

### **Building D, 1st floor, Aula**

14:30 – 16:00 - Oral presentations

16:00 – 17:00 - Coffee break

- Posters session

17:00 – 19:30 - Oral presentations

19:30 – 19:45 - Closing ceremony

19:45 - Galla dinner

- Awards of the Competition of apple tasting (3<sup>rd</sup> Edition)

### **Saturday, November 4<sup>th</sup> 2017**

09:45 - Field trip to Targu Ocna salt mine and Slanic Moldova

**Friday, November 3<sup>rd</sup> 2017**  
**"Vasile Alecsandri" University of Bacau**

## **INVITED SPEAKERS**

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**Building D, 1st floor, Aula**  
**09:00 – 11:10**

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### **CONSTANTIN TOMA, LĂCRĂMIOARA IVĂNESCU**

The exaggerated generalization regarding the mutual adaptation of flowering plants and pollinating insects

### **FLORIN STĂNICĂ**

New technologies for sustainable fruit growing

### **COSTIN LIANU**

Business center for export Bacau support for potential exporting SME's

**11:10 – 11:30 - Coffee break**

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**11:30 – 13:00 - Invited speakers**

### **DUMITRU MURARIU**

Actuality of Grigore Antipa's principles and problems in topic of the Danube flooding areas improvements

### **DAN COGĂLNICEANU, PAUL SZÉKELY, DIANA SZÉKELY**

Biodiversity of Ecuador – a study case focused on amphibians

### **ANGHELUȚĂ VĂDINEANU**

Agenda 2030: provocare și oportunitate pentru comunitatea profesională în ecologie și sustenabilitatea dezvoltării

**13:00 – 14:30 - Lunch break, apples exhibition**

## **BIODIVERSITY OF AQUATIC ORGANISMS & BIODIVERSITY OF TERRESTRIAL ORGANISMS**

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**Building D, 1st floor, Aula  
14:30 – 16:00 - Oral presentations**

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### **Moderators:**

Luiza Florea  
Geta Rîșnoveanu

## **BIODIVERSITY OF AQUATIC ORGANISMS**

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### **LAURENȚIA UNGUREANU, DARIA TUMANOVA, GRIGORE UNGUREANU**

Successions of diversity, quantitative and functional parameters of phytoplankton of aquatic ecosystems of Republic of Moldova

### **DACIANA SAVA, MANUELA DIANA SAMARGIU**

Red algae from Romanian Black Sea coast and possible presence of new species

### **MARIA CARARE, VICTOR SURUGIU**

The biology of mudsnail *Ecrobia maritima* (Milaschewitch, 1916) (Mollusca, Gastropoda, Hydrobiidae) at the Romanian Black Sea coast

### **IASEMIN SALI, IULIANA-MIHAELA TUDOR**

The study of zooplankton community diversity in Zaghen restored wetland

### **GRIGORE DAVIDEANU, ANA DAVIDEANU, ALIN BARABACARIU**

The monitoring of the fish fauna in the upper Dâmbovița River basin 2015-2017



## **BIODIVERSITY OF TERRESTRIAL ORGANISMS**

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### **CONSTANTIN TOMA, MARIUS-NICUȘOR GRIGORE**

Anatomical adaptations of halophytes from different climates. An integrative approach

### **GETA RÎȘNOVEANU, CRISTINA-MARIA POPESCU**

Need for standardized research methods in biodiversity assessment: case study with arthropods in little island of Braila

### **CONSTANTIN CIUBUC**

Carabids (Cls. Insecta, Ord. Coleoptera) from the Danube Delta Biosphere Reserve captured with traps of light, incandescent, mercury and neon light of different colors during 2002-2003

### **IULIA MUNTEAN, MĂDĂLIN POPESCU, SERGIU BLEZU, STEFAN-BOGDAN DEHELEAN, IOAN TĂUȘAN**

Ground beetles assemblages (Coleoptera: Carabidae) of oak woodpastures. A study case from Transylvania (Romania)

### **IOAN TĂUȘAN, IONICĂ MURARU**

Ant assemblages (Hymenoptera: Formicidae) of oak wood-pastures. A study case from Transylvania (Romania)

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**Building D, Hall, 1st floor**

**16:00 – 17:00 - Poster presentations**

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## **BIODIVERSITY OF AQUATIC ORGANISMS**

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### **ION COJOCARU**

Preliminary data on the diversity of aquatic beetles in Aroneanu Lake (Iasi county)

**MIHAELA SAVA**

Structure of benthic macroinvertebrate (larval assemblages) in seven section (lotic environments) from Teleajen River

**ANDREI CIOLAC**

Some biological data on sturgeons in Danube River

**LUIZA FLOREA**

The inventory of community interest fish species from protected area ROSCI0329 Oltul Superior

**DOREL URECHE, CAMELIA URECHE**

Study of fish populations in the middle course of Siret River, upstream Bacau-Racaciuni in 2012-2015

**ANA-MARIA MIHALCESCU**

Contribution on the biology of *Sprattus sprattus* (Linee, 1758) from the Central Romanian Black Sea coastal waters

**GINA – OANA POPA, DOREL URECHE, ALEXANDRU BURCEA, IULIA ELENA FLORESCU (GUNE), ANDREEA DUDU, SERGIU EMIL GEORGESCU, MARIETA COSTACHE**

The genetic diversity of some salmonids from Uz and Oituz Rivers

**ALEXANDRU-BOGDAN STACHE, MITICĂ CIORPAC, LUCIAN DRAGOȘ GORGAN**

The dynamics of cytochrome b and MHC class II genes correlation to the specific life environment in *Carassius gibelio*

**MANUELA DIANA SAMARGIU, DOREL URECHE, DACIANA SAVA, CAMELIA URECHE**

Considerations regarding the benthofauna, ichthyofauna, and riparian vegetation from some tributaries of the Siret River, downstream of Bacău

**ISABELLE METAXA, EUGEN CĂTĂLIN PLATON, ȘTEFAN-MIHAI PETREA, AIDA VASILE, ALINA MOGODAN, SĂNDIȚA PLĂCINTĂ**

Integrated multi-trophic aquaculture in the Romanian pond ecosystem

## **BIODIVERSITY OF TERRESTRIAL ORGANISMS**

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### **IRINA BOZ, IOAN BURZO, CORNELIU TANASE**

*Thymus alternans* Klokov: new data regarding the structure of vegetative organs and chemical composition of essential oils

### **CODRUȚA MIHAELA DOBRESCU, MAGDALIN LEONARD DOROBĂȚ**

Researches on saxicolous bryophytes from the North – Western area of Leaota Mountains

### **ANDREEA NATALIA MATEI**

Phytosociological study of *Ligularia sibirica* (L.) Cass.

### **EMILIAN PRICOP, BOGDAN-MIHAI NEGREA**

Notes regarding some of the most infamous invasive alien plant species from Bistrita River basin, (Neamt and Suceava counties, Romania)

### **GABRIELA ALINA ȘTEFAN, MARIA - MAGDALENA ZAMFIRACHE, DRAGOȘ LUCIAN GORGAN**

Genetic diversity of *Lavandula* species by RAPD markers

### **MAGDALIN LEONARD DOROBĂȚ, EUGEN NITZU, IONUȚ POPA, ANDREI GIURGINCA, AUGUSTIN NAE, ȘTEFAN BABA, CODRUȚA MIHAELA DOBRESCU**

A systematic conspectus of the invertebrate species identified in the scree and lithosol areas from the North-Western sector of the Leaota Mountains (Southern Carpathians)

### **MAGDALIN LEONARD DOROBĂȚ, EUGEN NITZU, IONUȚ POPA, ANDREI GIURGINCA, AUGUSTIN NAE, ȘTEFAN BABA, CODRUȚA MIHAELA DOBRESCU**

New, rare and endemic species for the Leaota Mountains and for Romania's fauna

### **CONSTANTIN CIORNEI, VASILE MIHALCIUC, CAMELIA URECHE, ROXANA VOICU, SERGIU NECULAU**

New traps and pheromones for the monitoring and control of populations of pine bark beetles *Pityokteines curvidens* (Germar, 1824) (Coleoptera: Scolytidae)

### **LĂCRĂMIOARA CIUCĂ**

Data on the presence and distribution of insect species listed in the habitats directive in NATURA 2000 sites ROSCI0128 and ROSCI0344

### **IULIA MUNTEAN, ALEXANDRA SĂNDULESCU, NICOALE STERIE, BOGDAN DEHELEAN, IOAN TĂUȘAN**

Comparative analysis of ground beetles assemblages (Coleoptera: Carabidae) of deciduous forest habitats. A case study from Southern Transylvania

### **IOAN-ALEXANDRU RĂDAC, IONELA MARILENA SLEJIUC, ALEXANDRU-MIHAI PINTILIOAIE**

Alien seed beetles and true bugs in Romania

### **BOGDAN TOMOZII, DEJU RAZVAN, SEBASTIAN CATANOIU**

Preliminary data on distribution of jersey tiger moth *Euplagia quadripunctaria* (Poda, 1761) in the Vanatori Neamt Nature Park

### **ALIN-GABRIEL IOSOB, MARIA PRISECARU, IONUȚ STOICA**

The need to conserve the crested and common newt [*Triturus cristatus* (Laurenti, 1768) and *Lissotriton vulgaris* (Linnaeus, 1758)], from Gâdini forest area, in Neamt county

### **COSTIN TIMOFTE, ALEXANDRA TELEA, DRAGOȘ BĂLĂȘOIU, PERSIDA GHEȚU, OANA LUPU, MARIAN TUDOR**

The importance of cryptic coloration of the juveniles of *Elaphe sauromates* (Pallas, 1814)

### **GABRIEL BĂNICĂ, DANİYAR MEMEDEMİN, ALEXANDRA-ELENA ȘOIMU**

Reaserches concerning the distribution of the red-footed falcon (*Falco vespertinus*, Linnaeus, 1766) in South Dobrogea (Constanta county) in 2017

**NICOLAI CRACIUN, ADRIAN IONASCU, CONSTANTIN TURMAC**

Preliminary observations regarding the bat fauna of the Snagov Lake area

**MIHAIELA LOREDANA DRAGOS, IULIU CRISTIAN IVANOV, IRINA CEZARA VACAREAN TRANDAFIR, ADRIANA SIRETEANU, MIHAELA ZLEI, OANA MARIA PINTILIE, DANIELA JITARU, DRAGOS LUCIAN GORGAN**

Characterization of some multiple myeloma cases from Regional Institute of Oncology, Iasi, Romania

**PAULA ALEXANDRA POSTU, CIPRIAN JELER**

Group Fitness1 and evolution by natural selection

**OZANA - MARIA PETRARU, VASILICA - MONICA GROZA, LUMINIȚA BEJENARU**

Morphometric variability of the molar tooth M2 in the skeletal series belonging to the 17<sup>th</sup> century necropolis of Iasi (iasi county, Romania)

## **BIOTEHNOLOGIES FOR ENVIROMENTAL PROTECTION AND RESOURCES' VALORIZATION & ECOLOGY AND SUSTAINABLE DEVELOPMENT**

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**Building D, 2<sup>nd</sup> floor, 225**

**14:30 – 16:00 - Oral presentations**

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### **Moderators:**

Aurelia Crivoi

Smaranda Vântu

## **BIOTEHNOLOGIES FOR ENVIROMENTAL PROTECTION AND RESOURCES' VALORIZATION**

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**ȘTEFAN-ADRIAN STRUNGARU, MIRCEA NICOARĂ, IONELA BOTEZATU, ELENA TODIRAȘCU-CIORNEA, GABRIEL PLĂVAN**

Is the gold toxic for vertebrate brain? The effect of gold administration on behavior of zebrafish model and oxidative stress

**AURELIA CRIVOI, ELENA CHIRIȚA, IURIE BACALOV, LIDIA COJOCARI, ANA ILIEȘ, IULIAN PARA, ADRIANA DRUȚA, ILONA POZDNEACOVA, SALEH YAACOUBI, VICTOR CIOCÂRLAN, ANA COJOCARU**

The use of modern biotechnologies in the practical valuation of research of biological active substances

**MIHAI LEȘANU, GHEORGHE JIGĂU**

Sustainable management of soil by green technologies

**PETRESCU CONSTANTIN-MARIAN, BRATOSIN DANIELA, TURCUȘ VIOLETA, MIHALI CIPRIAN-VALENTIN**

In vitro evaluation of nanoparticles toxicity by flow cytometric analysis using the unicellular alga *Chlorella*

## **ECOLOGY AND SUSTAINABLE DEVELOPMENT**

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**ELENA PEDA, MIHAI ADAMESCU, CONSTANTIN CAZACU,  
NICOLETA GEAMĂNĂ, RELU GIUCĂ, MAGDA BUCUR, ADINA  
STANCIU**

Wetlands ecosystem services and benefits along the Danube floodplain

**DAN DASCALITA**

Particularities regarding the complex setting out of the Siret hydrographic area

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**Building D, Hall, 1st floor**

**16:00 – 17:00 - Poster presentations**

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## **BIOTEHNOLOGIES FOR ENVIROMENTAL PROTECTION AND RESOURCES' VALORIZATION**

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**ALEXANDRU NIȚĂ, COSMIN MIHAI, IONUȚ TOPALĂ, CRISTINA  
GERBER, BOGDAN STACHE, RALUCA PAVILIUC, MARIA  
ȘTEFANIA SAVIN, DRAGOȘ LUCIAN GORGAN**

Evaluation of cytotoxicity and genotoxicity of cold plasma on in vitro cell models

**DANIELA NICUȚĂ, DIANA TODERAȘC, ANA MARIA ROȘU**

Research on the influence of sodium benzoate on wheat germination and cell division

**ANA-MARIA GEORGESCU, ILEANA DENISA NISTOR, DUMITRA  
RĂDUCANU**

**Modeling and optimization of growth parameters for bakery yeast  
(*Saccharomyces cerevisiae*) by using experimental design  
procedure**

**IONICA DELIU, MARIA DEACONU**

*In vitro* antibacterial activity of *Pelargonium* extracts

**IULIA R. GRECU, ANGELICA DOCAN, LORENA DEDIU, ROXANA L. MATEI**

Preliminary results regarding «in vitro» inhibitory effect against bacteria of some phytochemicals

**DUMITRA RĂDUCANU, IOAN-VIOREL RAȚI, ANA-MARIA GEORGESCU**

Researches concerning the optimization of growth parameters of some probiotic bacteria in laboratory conditions

**SMARANDA VANTU**

“In vitro” multiplication of *Salvia officinalis* L.

**MIRELA M. CIMPEANU, CRISTIAN S. CIMPEANU, IULIA C. BARA**

Electromagnetic radiation influence on some physiological and cytogenetic parameters in *Allium cepa* L.

**TINA OANA CRISTEA, MARIA PRISECARU, SILVIA AMBARUS, MARIA CALIN, CREOLA BREZEANU, MARIAN BREZEANU, GEORGE FLORIN ȘOVA**

Caritotipic characterization of *Echinacea angustifolia* d.c. plants maintained in the genebank from S.C.D.L. Bacau

**DANIELA-IULIANA DOBREA, ELENA TROTUȘ, MARGARETA NAIE, OANA MÎRZAN, ALEXANDRA-ANDREEA BUBURUZ**

The influence of the nutrition space on the herb and seed yields at Moldavian Senna (*Cassia angustifolia* Vahl.), in A.R.D.S. Secuieni pedoclimatic conditions

**DIANA – ELENA MAFTEI, DANIEL – IOAN MAFTEI**

The preservation of several species of *Ericaceae* in the Nemira Mountains

**MIRELA SUCEVEANU, IRINA-CLAUDIA ALEXA, LUMINIȚA GROSU, IRINA IFRIM**

Valorisation of peppermint (*Mentha piperita*) for obtaining tonic beverages



**ALEXANDRU BURCEA, GINA-OANA POPA, SAMI GHARBIA, IULIA ELENA FLORESCU (GUNE), ANDREEA DUDU, SERGIU EMIL GEORGESCU, ANCA HERMENEAN, MARIETA COSTACHE**

Insight in the gonad development of best beluga sturgeon hybrid individuals through histology and immunohistochemistry

**ANA-MARIA GEORGESCU, FRANÇOISE NARDOU, CLAUDE PENOT, NICOLETA PLATON, ALISA VASILICA ARUȘ, ILEANA DENISA NISTOR**

Lead adsorption from aqueous solutions onto chemically modified nanomaterials

**LUMINITA GROSU, IRINA-CLAUDIA ALEXA, MIRELA SUCEVEANU, ALEXANDRU CHIRIAC**

Ecologically mineralized organic fertilizer using by-products from wood and dairy industries

**GABRIELA MUNTIANU, ALINA-VIOLETA URSU, COSMIN JINESCU, GHOLAMREZA DJELVEH, ILEANA DENISA NISTOR, GHEORGHITA JINESCU**

Ammonia adsorption kinetics on al-pillared clay particles using co-axial magnetic field as process intensification

**ANA MARIA ROȘU, CATHERINE RAFIN, ETIENNE VEIGNIE**

A green chemical approach of corn starch modification for innovative solutions in soil remediation

**DIANA-CARMEN MIRILĂ, MĂDĂLINA-ȘTEFANIA PÎRVAN, GABRIELA MUNTIANU, ILEANA DENISA NISTOR**

Utilization of biomaterials - clay type smectite

**MĂDĂLINA-ȘTEFANIA PÎRVAN, DIANA MIRILĂ, ANA-MARIA GEORGESCU, LAURANCE PIRAULT-ROY, DENISA ILEANA NISTOR**

Layered double hydroxides, nanomaterials used for environmental protection

**MĂDĂLINA-ANDREEA ROBEA, MIRCEA NICOARA, GABRIEL PLAVAN, ALIN CIOBICA, STEFAN-ADRIAN STRUNGARU**

Toxicological effects on model organisms caused by administrations of insecticides deltamethrin and imidacloprid

**ECOLOGY AND SUSTAINABLE DEVELOPMENT**

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**MIHAI COSTICĂ, ANIȘOARA STRATU, NAELA COSTICĂ**

Contributions to knowledge of the medicinal vascular flora in the protected area “Sărăturile din Valea Ilenei” (Iasi County)

**OANA ALEXANDRA DRĂGHICEANU, CODRUȚA MIHAELA DOBRESCU, MONICA POPESCU, LILIANA CRISTINA SOARE**

Nickel effects on morphological and biochemical characteristics of ferns

**EMILIAN PRICOP, VASILE DIACONU**

Contributions to the study of salt tolerant plant species from two degraded prehistoric salt exploitation sites, situated near Baltatesti (Neamt County, Northeastern Romania)

**LILIANA CRISTINA SOARE, IONEL MARIUS LINCĂ, CODRUȚA MIHAELA DOBRESCU, OANA ALEXANDRA DRĂGHICEANU**

Some aspects of the influence of fosetyl-aluminium on gametophyte differentiation in the fern *Athyrium filix-femina*

**MARIA CĂLIN, TINA OANACRISTEA, SILVICA AMBĂRUȘ, CREOLA BREZEANU, PETRE MARIAN BREZEANU, MARCEL COSTACHE, GABRIELA ȘOVĂREL, LILIANA BRATU, MARIA PRISECARU**

Study of biological fungicides in the control of the early blight at tomato

**NICOLETA CONSTANTIN, GEORGIANA DUȚĂ – CORNESCU, ALEXANDRA VIORELA CONSTANTIN, DANIELA MARIA POJOGA, ALEXANDRA SIMON – GRUIȚA**

Phytotoxic effects of some commercial fungicides on economic valuable plant

**ANDREI I. SIMION, CRISTINA G. GRIGORAȘ, LIDIA FAVIER, ANA-MARIA ROȘU, GABRIELA MUNTIANU, LUCIAN GAVRILĂ**

Environmental problems overview in sugar-beet by-products conversion in fodder yeast

**MARIUS SKOLKA, CRISTINA PEDA, FLORINA STANESCU, ELENA TEMNEANU, DANIYAR MEMEDMIN**

Diversity of ground beetles (Coleoptera: Carabidae) in vineyard habitats from Dobrogea

**CATALINA CIOBANU, ALEXANDRU GEORGE MARINESCU, MARIA CRISTINA PONEPAL, ALEXANDRU CLAUDIU BACIU, DIANA BITU**

Chemical contamination with phenols of fishes and amphibians in the aquatic ecosystems

**ADINA POPESCU, DANIELA CRISTINA IBĂNESCU, AURELIA NICA, ANDREI CIOLAC**

Determination of water quality by macroinvertebrates in the Romanian sector of the Danube River

**ADINA POPESCU, MIRELA CRETU, ANGELICA DOCAN**

Determination of total organic carbon and total nitrogen from soil sediments from Horia Lake, Tulcea

**ALINA – MIHAELA TRUȚĂ**

Research on the environmental quality in the Târgului River

**CRISTINA DANIELA TOTOLICI, MARTA MONTEIRO, CARLA QUINTANEIRO**

Effects of endocrine disruptors in larvae of African clawed frog (*Xenopus laevis*)

**LĂCRĂMIOARA RUSU, MARIA HARJA, DANIELA ȘUTEU, ADRIANA DABIJA**

Risk assessment of population exposure to heavy metals through their bioaccumulation in medicinal plants from the spontaneous flora

**DANIELA VASILE, LUCIAN CRISTIAN PETCU, ANCA DINISCHIOTU,  
DRAGOMIR COPREAN, LUCICA TOFAN**

Preliminary results regarding the bioaccumulation of copper and zinc in stellate sturgeon (*Acipenser stellatus* Pallas, 1771) liver and gills

**LUCICA TOFAN, MARIUS FĂGĂRAȘ, DACIANA SAVA, MARIA  
ENCIU, MIHAI ADAMESCU, CONSTANTIN CAZACU, RADU  
VĂDINEANU, MARIUS NISTORESCU, MARCEL ȚÎBÎRNAC**

Monitoring the effects of ecological reconstruction works in the Carasuhat agricultural polder of Mahmudia community, the Danube Delta Biosphere Reserve

**NICOLETA PLATON, ANA-MARIA GEORGESCU, ILEANA-DENISA  
NISTOR**

Characterization of montmorillonite clay used for environmental remediation

**AURELIA NICA, ADINA POPESCU, DANIELA CRISTINA IBANESCU,  
ANDREI CIOLAC**

Human influence on the climate system

**RAMONA BONDĂREȚ, CLAUDIA TOMOZEI, ROXANA ELENA  
VOICU**

Aspects regarding noise pollution due to road traffic in district of Bacău

**IOAN-VIOREL RAȚI, DUMITRA RĂDUCANU**

Description of certain varieties of sea buckthorn (*Hippöphae rhamnoides* L.) homologated and patented by prof. Rati Ioan Viorel

## **BIODIVERSITY OF AQUATIC ORGANISMS & BIODIVERSITY OF TERRESTRIAL ORGANISMS**

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**Building D, 1st floor, Aula**  
**17:00 – 19:30 - Oral presentations**

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### **Moderators:**

Angela Curtean-Bănăduc  
Victoria Nistreanu

## **BIODIVERSITY OF AQUATIC ORGANISMS**

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### **IOAN GHIRA, CIPRIAN SAMOILĂ, TIBOR SOS, LIVIU BUZILĂ**

New data on the distribution of Carpathian newt (*Lissotriton montandoni*) in Romania

### **IONELA MARILENA SLEJIUC, MILCA PETROVICI**

Effects of experimentally decreasing water level to *Rana dalmatina* Bonaparte, 1840 tadpole

### **CARMEN GACHE**

Preliminary data on wintering monitoring of birds in the ROSPA0072 Lunca Siretului Mijlociu

### **ANGELA CURTEAN-BĂNĂDUC, DORU BĂNĂDUC, ALEXANDRU BURCEA, VIDAR BERG, JAN LUDVIG LYCHE**

Persistent organic pollutants (POPs) in lotic ecosystems – Mureș watershed case study

### **IULIANA CARAMAN, DOREL URECHE, VALENTIN ZICHIL, CAMELIA URECHE, MIHAIL CARAMAN**

The photoluminescence analyses of some constituent parts of chub fish that habitats in Siret River

## **BIODIVERSITY OF TERRESTRIAL ORGANISMS**

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### **OANA LUPU, COSTIN TIMOFTE, PERSIDA GHEȚU, MARIAN TUDOR**

Ex situ conservation of *Phyllobates vittatus* (Cope, 1893) – experimental data

### **MARIAN TUDOR, ALEXANDRA TELEA, DRAGOȘ BĂLĂȘOIU, COSTIN TIMOFTE, PERSIDA GHEȚU, OANA LUPU**

Blotched snake (*Elaphe sauromates* - Pallas, 1814) and its detectability in specific habitats

### **VASILE ALEXE, ALEXANDRU DOROȘENCU, MIHAI MARINOV, BOTOND J. KISS, ATTILA D. SÁNDOR, CRISTINA NANU, DUMITRU MURARIU**

The situation of the white-tailed eagle pairs (*Haliaeetus albicilla* L.) In the Danube Delta Biosphere Reserve (Romania) between 2016 and 2017

### **NATALIA CARAMAN, VICTORIA NISTREANU**

Fauna of small mammals (Rodentia, Insectivora) from rubbish dumps in the Republic of Moldova

### **VICTORIA NISTREANU, VLAD CALDARI, NATALIA DIBOLSCAIA, ALINA LARION**

Diversity of bat fauna (Mammalia: Chiroptera) Hordinești stone quarries from the Northern zone of the Republic of Moldova

### **NATALIA DIBOLSCAIA**

Bats in the anthropogenic environment and human influence on their adaptation

### **RUBEN IOSIF, IOAN MIHAI POP, LEONARDO BEREZKY, RADU MIHAI SANDU, SILVIU CHIRIAC, VIOREL D. POPESCU**

Brown bear den-site selection in the Romanian Carpathians

### **MIHAI I. POP, VIOREL D. POPESCU, RUBEN IOSIF, SILVIU CHIRIAC, GEORGE BOUROȘ, BRETT J. FURNAS**

Integrating sign surveys and telemetry data for estimating brown bear (*Ursus arctos*) density in the Romanian Carpathians

## **BIOTEHNOLOGIES FOR ENVIROMENTAL PROTECTION AND RESOURCES' VALORIZATION & ECOLOGY AND SUSTAINABLE DEVELOPMENT**

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**Building D, 2<sup>nd</sup> floor, 225**  
**17:00 – 19:30 - Oral presentations**

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### **Moderators:**

Ion Năvodaru  
Valentin Așevschi

## **ECOLOGY AND SUSTAINABLE DEVELOPMENT**

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### **GABRIEL-IONUȚ PLAVAN, IOAN ALEXOAIIE, MIRCEA NICOARĂ, ALEXANDRU-IULIAN CRĂCIUN, STEFAN-ADRIAN STRUNGARU**

Determination of underground water quality, the main source of drinking water, in a village area, North-Eastern Romania, based on “*in situ*” physical-chemical analysis

### **ELENA ZUBCOV, LUCIA BILETCHI, NATALIA ZUBCOV, NINA BAGRIN**

Study of hydrobiocenose functioning towards determination of the support capacity of aquatic ecosystems and ecotoxicant biological migration

### **SORIN LAZĂR, MIRELA MIHAELA CÎMPEANU, DRAGOȘ LUCIAN GORGAN**

Assessment of water pollution genotoxic effect in *Carassius gibelio*

### **ION NĂVODARU**

The Danube Delta Fisheries: review of evolution and actual status

**HOREA OLOSUTEAN, MIRABELA PERJU**

Management of NATURA 2000 sites in the context of private propriety: the case of ROSCI0326 Muscelele Argeşului

**TEODORA SIN, ANDREA CORRADINI, IOAN-MIHAI POP, SILVIU CHIRIAC, ANNE JARAUSCH, CARSTEN NOWAK, ANDREA GAZZOLA**

Wolf in the eastern Carpathians: population estimates, diet and prey base. Results of the wolflife project

**GHEORGHE JIGAU, MIHAI LEŞANU, ANA BÂRSAN**

Pedofunctional and pedogeographic principles of the fundamentation and implementation of adaptive ameliorative landscape technologies at extreme climate conditions

**VALENTIN AŞEVSCI, AURELIA CRIVOI, ALIONA LÎŞÎ, ELENA CHIRIŢA, IURIE BACALOV, LIDIA COJOCARI, ANA ILIEŞ, IULIAN PARA, ILONA POZDNEACOVA, ADRIANA DRUŢA, LUMINIŢA SUVEICĂ, INGA DELEU**

Environment and health of population in the Republic of Moldova

**ELENA CHIRIŢA, AURELIA CRIVOI, VALENTIN AŞEVSCI, ALIONA LÎŞÎ, IURIE BACALOV, LIDIA COJOCARI, ANA ILIEŞ, IULIAN PARA, ADRIANA DRUŢA, ILONA POZDNEACOVA, LUMINIŢA SUVEICĂ, INGA DELEU**

The quality of potable water and its influence on the morbidity of autohtone population

**LIDIA COJOCARI, AURELIA CRIVOI**

The environmental and biological age of the population

**ORTANSA JIGĂU, COSTEL BURGHELEA**

Vivarium – the bond between us and the nature

**IOAN-VIOREL RAŢI, DUMITRA RĂDUCANU**

Diversification of apple assortment for fresh feeding by promoting of valuable varieties of summer, autumn, autumn-winter



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**19:30 – 19:45** - Closing ceremony

**19:45** - Galla dinner

- Awards of the Competition of apple tasting (3<sup>rd</sup> Edition)

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**NOTES**

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