



Academy of Romanian Scientists



University of Oradea
Faculty of Environmental Protection



University of Debrecen



Environmental Engineering
Department



Research Center for Agriculture
and Environmental Protection
"Crișana"

Organise



WORLD ENVIRONMENTAL DAY

**The 8th Edition of International Scientific
Symposium for Students
"Environmental protection –present and future"
&
The 1st Edition of Symposium of Doctoral School
of Agronomy, University of Oradea**

June 6, 2017

Oradea, Romania

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TIMETABLE

**June 6, 2017 – Faculty of Environmental Protection
No. 26, Gen. Magheru St.**

- 10⁰⁰ – Opening ceremony – Welcome speech – Prof. Ioan Chereji, PhD, dean, Faculty of Environmental Protection
- 10⁰⁵ – Rector speech – Prof. Constantin Bungău, PhD, Rector University of Oradea
- 10¹⁰ – Rector speech – Prof. Jávor András, PhD, Vicerector University of Debrecen
- 10¹⁵ – Guests speech from Romania
- 10⁴⁵ – Prof. Pepó Péter, PhD, University of Debrecen – *New trend in crop production - sustainable intensification*
- 11⁰⁰ – Prof. Cornel Domuța, PhD – *Synthesis of the actual research of the Agronomy Doctoral School, University of Oradea*
- 11¹⁵ – Prof. Pepó Péter, PhD – *Synthesis of the actual research of the Agronomy Doctoral School, University of Debrecen*
- 11³⁰ – Book presentation – *”Technologies for soil protection and reconstruction of the landshaft in the North Western Romania”*. Author: Ass.Prof. Radu Brejea, PhD, present: Prof. Pepó Peter
- 11⁴⁵ – Prof. Cornel Domuța, PhD, – *”Pro Cooperazione”, medal of Hungarian Academy of Sciences*
- 12 – Coffee break

**THE 1ST EDITION OF SYMPOSIUM OF AGRONOMY DOCTORAL
SCHOOL FROM UNIVERSITY OF ORADEA AND
UNIVERSITY OF DEBRECEN
Moderator: Prof. Cornel Domuța, PhD habil**

ORAL PRESENTATION

- 12¹⁵ – Vincze Eva - *Plant physiological parameters in canola population on chernozem soil*. Sc. coord. Prof. Pepó Péter, PhD habil

- 12³⁰– Tótin Ákos - *Maize sowing technology in dry and wet crop year on chernozem soil*. Sc. coord. Prof. Pepó Péter, PhD habil
- 12⁴⁵– Andrei Nistor - *Research regarding the improve of the use for the land with slope in bihor county in the context of the sustainable agriculture*. Sc. coord. Ass. Prof. Radu Brejea, PhD habil
- 13⁰⁰– Cosmin Scridon - *Research regarding the possibilities to return for agriculture of the soil polluted with oil in the North-Western Romania conditions*. Sc. coord. Prof. Cornel Domuța, PhD habil

POSTERS PRESENTATION

1. Kovács Péter - *Relationship between agrotechnical factors and yield of maize hybrids*. Sc. coord. Prof. Pepó Péter, PhD habil
2. Lelesz Judit Éva - *The changes of the purple coneflower (*Echinacea purpurea* L.) drug yield under different fertilization settings*. Sc.coord. Prof. Pepó Péter, PhD habil
3. Ionuț Pantiș - *Research regarding the erosion on surface of the lands from Bihor and possibilities of the green manures use for melioration*. Sc. coord. Prof. Marcel Dîrja, PhD habil, USAMV Cluj Napoca; colab. Prof. Cornel Domuța, PhD habil
4. Bajó Janos - *The drought effect on the main hybrids of sunflower in the Crisurilor Plain conditions*. Sc.coord. Prof. Cornel Domuța, PhD habil
5. Florin Ionici - *Research concerning the relationships from the soil-water-plant-atmosphere system, a premise of the drought control in maize hybrids from different fao groups in North-Western Romania*. Sc.coord. Prof. Cornel Domuța, PhD habil
6. Susana Mondici - *Research to optimize the protection against the weeds from winter wheat and maize on three types of soil in the North-Western area of Romania*. Sc.coord. Ass. Prof. Radu Brejea, PhD habil

THE 8TH EDITION OF INTERNATIONAL SCIENTIFIC SYMPOSIUM FOR STUDENTS "ENVIRONMENTAL PROTECTION – PRESENT AND FUTURE"

Moderator: Ass. Prof. Radu Brejea, PhD habil

ORAL PRESENTATION

- 13¹⁵ – Vanesa Ivașcu, Nicolae Cenușa - *Protected areas from Bihor under the scientific custody of Environmental Protection Faculty*. Sc. coord. Ass. Prof. Cristian Domuța, PhD

- 13³⁰ – Robert Balasz, Vlad Faur - *Green manure, possibilities for soil parameters improvment*. Sc.coord. Lect. Alina Samuel, PhD, Ass. Prof. Maria Şandor, PhD, Sc.r.
- 13⁴⁵ – Diana Costan, Florin Chirodea - *The almond, a specie adapted for climate change. Cultivars obtained in Oradea*. Sc.coord.Prof. Viorel Şcheau, PhD; Lect. Manuel Gîtea, PhD
- 14⁰⁰ – Discussions

POSTERS OF THE PROFESSORS FROM UNIVERSITY OF DEBRECEN

1. Ass. Prof. Szabó András, PhD - *Role of critical agrotechnical factors in the sunflower production*.
2. Ass. Prof. Szabó Éva, PhD - *Effects of cropyear and nutrient supply on the quality parametersof different winter wheat varieties in a long-term experiment*.
3. Ass. Prof. Csajbók József, Kutasy Erika, PhD - *Transpiration and water use efficiency of maize (Zea mays L.) in connection to nutrient supply*.
4. Ass. Prof. Dóka Lajos, PhD - *Effect of crop rotation on the soil moisture in winter wheat experiment*.

POSTERS OF THE STUDENTS FROM OTHER UNIVERSITIES

Sc. coord. Prof. Teodor Rusu, PhD

1. Codruţ Bota - *Soil compaction and water puddle in autumn crops: causes and prevention methods*. University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.
2. Alexandru Maties - *Effect of differentiated agrotechnics on maize crop production*. University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.

Sc. coord. Prof. Marcel Duda, PhD;

Lect. Cristina Moldovan, PhD

3. Nagy Istvan - *The productivity of some maize hybrids cultivated in the conditions from Cetatea de Balta, Alba County*. University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.
4. George Print - *Research regarding the influence of the plant thickness on the maize yield*. University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.
5. Alin Şoimar - *The study of some physical and chemical parameters at the maize after harvesting*. University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.

6. Paul Luca - *Study regarding the influence of fertilization on some elements of productivity in winter wheat.* University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.
7. Marcel Pop - *Research regarding the pretability of the cultivation of some maize hybrids in Medieșu Aurit, Satu-Mare County.* University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.
8. Vasile Sava - *Study regarding the influence of the plant thickness on the sweet lupine yield.* University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.

Sc. coord. Prof. Dan Vârban, PhD

9. Marius Andreica - *Study of the behaviour of some maize hybrids in Stârciu Area, Sălaj County* University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.

POSTERS FROM DIFFERENT FACULTIES OF UNIVERSITY OF ORADEA

Sc. coord. Prof. Simona Bungău, PhD

1. Iulia Margin, Ruxandra Marin - *Ionized water and body detoxifying.*
2. Iulia Margin, Ruxandra Marin - *Food conservatives and health*
3. Iulia Margin, Ruxandra Marin - *The role of healthy food in maintaining wellbeing.*
4. Iulia Margin, Ruxandra Marin - *The Chemistry and Hygiene of Water, Air and the Soil: pollution in food industry.*

Sc. coord. Lect. Alina Samuel, PhD

5. Alexandra Brenic - *The effects of soil management practices on dehydrogenase activity.*
6. Grigore Moldovan - *The effect of natural antibiotics on pathogenic bacteria.*
7. Violeta Pantea - *Enzymatic indicators of soil quality.*

Sc. coord. Prof. Laura Vicaș, PhD

8. Alexandra Burca - *Evaluation of the properties of a bioadhesive preparation with plant extracts.*
9. Florina Miere - *The study of formulation of some capsules with antiseptic properties.*

Sc. coord. Lect. Alina Cozma, PhD

10. Magyary Gabriella - *Chromatographic determination of the parameters that defining the quality of wines*

**POSTERS OF ENVIRONMENTAL PROTECTION FACULTY
STUDENTS**

Department of Environmental Engineering

Sc. coord. Prof. Cornel Domuța, PhD

1. Andrei Cociubei - *Peach tree irrigation in the Oradea fruit tree basin.*
2. Cristian Tomoioagă - *Irrigation influence on alfalfa in the Crisurilor Plain conditions.*
3. Szilaghyi Zsolt - *Basic soil work, an important component in maize technology in the Crisurilor Plain.*

Sc. coord. Prof. Nicu Sabău, PhD

4. Georgiana Fordon - *Aspects of droughts characterization the Crișurilor Plain with Standardized Precipitation Index (SPI).*
5. Larisa Olteanu - *Estimating of the natural attenuation factor during the bioremediation of a haplic luvisoil controlled polluted with crude oil.*
6. Ioana Pătălău - *Correlations between the yield differences of spring wheat, obtained on a polluted haplic luvisoil with crude oil, depending on weather conditions and fertilization systems on the mitigation period.*

Sc. coord. Ass. Prof. Maria Șandor, PhD, Sc.r.

7. Mariana Bunta - *The grains winter wheat quality under the influence of the crop rotation and irrigation in the Crișurilor Plain conditions.*
8. Georgeta Popoviciu - *Behaviour of the some vegetable in the conditions from Oradea, Crisurilor Plain.*
9. Alexandru Șișca - *Aspects regarding the sediments from drains in the pilot fields Cefa, Bihor.*

Sc. coord. Ass. Prof. Vasile Laslo, PhD

10. Gheorghina Dudaș - *"In vitro" induction of somatic embryo-genesis in sage (Salvia officinalis L.).*
11. Vanesa Ivașcu - *Sterilizing inoculated "in vitro" explants through the use of silver nanoparticles.*
12. Ana Maria Lup - *The influence of added nanoselenium added to culturing medium on the morphogenesis processes of plants grown "in vitro".*

Sc. coord. Ass. Prof. Radu Brejea, PhD

13. George Baicu - *Reconstruction of degraded and polluted lands within the mining area Varzari, Popesti commune.*
14. Ruben Coman - *Ecological rehabilitation of the land occupied by local andesite career Borsa, Maramures County.*
15. Thomas Mițuțiu - *Protection and restoration of the land occupied by ballast in Ginta village, Capalna commune.*
16. Florin Purda - *Technical solutions regarding the rehabilitation of land within the ballast of Fughiu village, Oșorhei commune.*

17. Alexandru Vid - *Study regarding the physical properties of the land from former bauxite quarry and the same properties of the soil from beech-tree forest in the limitrophe area, Zece Hotare, Bihor.*
Sc. coord. Lect. Tamara Romocea, PhD
18. Kiss Tamas - *Diagnosis methods used to estimate the behavioral mode of the geothermal fluid, in already running facilities.*
Sc. coord. Lect. Olimpia Mintaş, PhD
19. Ionela Andronache - *Study on air quality in the Salonta area.*
20. Marcela Mateş - *Study on the air quality in the area of Suplacu de Barcau.*
Sc. coord. Lect. Monica Costea, PhD
21. Csoka Timea - *Urban physics.*
22. Ana Maria Lup - *Urban morphology dynamics and environmental change.*
Sc. coord. Lect. Emilia Pantea, PhD
23. Mariana Breb - *The wastewater management for sustainable development.*
24. Alina Podilă (Burta) - *Green tehnology for clean water.*
Sc. coord. Lect. Eugen Jude, PhD
25. Daniela Chiş - *Work Security and Health in S.C. OMV PETROM S.A. (production zone Crisana-Banat, Suplacu de Barcau).*
26. Sergiu Pădureanu - *Protected areas from Bihor County (Ferice Plai).*
27. George Trempe - *Some vegetable behaviour of the sandy soil from Valea lui Mihai, Bihor.*
Sc. coord. Lect. Ana Pereş, PhD
28. Adrian Cotrău - *Study on the climate of the town of Salonta.*
29. Dalai Mark - *Thermal particularities in the area of the town of Săcuieni.*
30. Hubner Kinga - *Climatological study of the hazardous hydrometeors in the area of the town of Oradea.*
31. Andreea Lucaci - *Contributions to understanding the climate of the Beiuş depression.*
32. Gheorghe Nergheş - *Multiannual air temperature patterns in the area of Borod depression.*
Sc. coord. Lect. Cristian Oneţ, PhD
33. Cseke Rita - *Natural reservation Fegernic.*
34. Andrei Gaman - *Research on the monitoring activity improvement of the water quality from food industry.*
35. Raul Horj - *Management of the wastewater discharged by the milk and meat processing factories.*
Sc. coord. Lect. Aurelia Oneţ, PhD
36. Adrian Haita - *Monitoring of Microbial Populations in Haplic Luvisol.*

37. Anca Todea - *World environmental day. Take responsibility. Care about the environment.*

Sc. coord. Lect. Köteles Nandor, PhD

38. Aurica Ghile (Pereş) - *Weather conditions and their influence on the atmospheric pollution in the town of Oradea.*

39. Simona Grecu - *Thermal, precipitation and dynamic particularities of the climate in the town of Oradea.*

40. Larisa Oltean, Ioana Pătălău - *Nature of precipitations in the Borod depression.*

41. Alice Sabou - *Thermal, precipitation and dynamic particularities of climate in the Stâna de Vale resort.*

42. Bogdan Şandor - *Winter and summer climatic hazards in the area of the town of Ştei.*

43. Alexandra Vancea - *Air pressure and wind patterns in the area of the town of Săcuieni.*

Sc. coord. Lect. Eugenia Şerban, PhD

44. Andreea Căpuş - *The largest earthquakes on Earth during the years 2010-2015.*

45. Lavinia Cîmpan - *The heat waves in the Western Plain of Romania and their environmental impact.*

46. Amalia Scheiner - *Concentration of the main air pollutants at Mount Cimone GAW global station, Italy.*

Sc. coord. Lect. Eliza Agud, PhD

47. Larisa Flonta - *Unconventional methods used in the conservation of endangered plant species. Case study: Conservation through in vitro propagation of some taxa of the genus Dianthus of the Bihor.*

48. Sorina Oneţ - *The implications of the phytohormone in the regeneration, proliferation and differentiation callus of the species Artemisia dracunculus L.*

Department of Agriculture-Horticulture

Sc. coord. Prof. Gheorghe Bandici, PhD

1. Călin Marian - *Research on the influence of rotation and fertilization on the increasing growth of plant biomass and production for winter wheat grown on phaeozems.*

2. Alex Sabău - *Research on the relationship between the foliar system, photosynthesis and productivity for four varieties of winter wheat.*

Sc. coord. Ass. Prof. Aurora Venig, PhD

3. Dorel Bocşan - *The behavior of some plum species in the North-Western part of the country.*

4. Larisa Bonchiş - *The calculation of cost price and economic efficiency in the establishment of a raspberry plantation.*
5. Boros Brigitta - *The calculation of cost price and economic efficiency in the establishment of a nut tree plantation.*
6. Remus Corbut - *The calculation of cost price and economic efficiency in the establishment of an apple tree plantation.*
7. Mihai Crecan - *The calculation of cost price and economic efficiency in the establishment of a plum tree plantation.*
8. Aleesia Maina - *The calculation of cost price and economic efficiency in the establishment of a blueberry plantation.*
9. Vasile Monenciu - *The calculation of cost price and economic efficiency in the establishment of a blackberry plantation.*
10. Lucian Sime - *The behavior of some apple species in the North-Western part of the country.*

Sc. coord. Ass. Prof. Ioana Borza, PhD

11. Florin Alexie - *Crop rotation, the central pivot of the maize technology in the Cris Plain.*
12. Emanuel Bulzan - *Long term research regarding the influence of basic soil on wheat yield.*
13. Diana Costan - *Secondary acidification causes, effects and control measures.*
14. Vasile Măt - *Influence of the climate conditions under the maize yield in the Crişurilor Plain conditions.*
15. Raul Pop - *The influence of weeds on water consumption, yield and water use efficiency in maize in the Crisurilor Plain conditions.*

Sc. coord. Ass. Prof. Cristian Domuţa, PhD

16. Nicolae Cenuşa - *Correlations in the soil-water plant-atmosphere in unirrigated and irrigated soybean in the Crişurilor Plain conditions.*
17. Diana Haranguş - *Natural reservation Valea Roşie.*
18. Cosmin Meşter - *Influence of the microclimate conditions, water consumption, yield quantity and quality and on water use efficiency in winter wheat from Crisurilor Plain.*
19. Eugenia Purcel - *Irrigation influence on sugarbeet in the Crişurilor Plain conditions.*

Sc. coord. Lect. Alina Stanciu, PhD

20. Remus Avram - *Phyto ecological study of grasslands in the Chişlaz village.*
21. Alexandru Iliş - *Study floristic composition of pastures in the village Iteu.*

Sc. coord. Lect. Manuel Gîtea, PhD

22. Andrei Butişcă - *Apples used in urban gardens.*
23. Florin Chirodea - *Black currant culture.*

Sc. coord. Lect. Mihai Cărbunar, PhD

24. Andrea Gondor - *Influence of foliar fertilization on quality and quantity of several varieties of tomatoes.*
25. Ramona Leuca - *Research regarding the behaviour of the cucumbers "cornişon" types grown in polyethylene tunnels.*

Sc. coord. Lect. Ileana Ardelean, PhD

26. Paul Budău - *The influence of crop rotation and water regime on the quality of the harvest for winter wheat grown on phaeozems.*
27. Kaszony Elek - *The influence of crop rotation and nutrition regime on the content of nitrogen, phosphorus, potassium, crude protein, wet gluten and dry gluten of the grains for winter wheat grown on luvisols.*
28. Iosif Radu - *The influence of rotation and irrigation on the physical features of a phaeozem, production and recovery of water by winter wheat-growing.*

Sc. coord. Lect. Teodora Vidican, PhD

29. Alina Berche - *Designing and setting up a private garden.*
30. Liviu Bot - *Green space planning in a university campus.*
31. Giulia Cabău - *Green space planning in a tourist complex.*
32. Nagy Greti - *Design of a square.*

Sc. coord. Lect. Gheorghe Donca, PhD

33. Daiana Gabor - *Influence of the grains price evolution on economy.*

POSTERS FROM OTHER DEPARTMENTS OF THE ENVIRONMENTAL PROTECTION FACULTY

Sc. coord. Prof. Ioan Vlad, PhD

1. Ionel Spulber - *Design and installation of ornamental and forestry wood vegetation in a protection curtain of railway between the railway stations Teius-Gârbova Albă.*

Sc. coord. Lect. Florian Pavel, PhD

2. Viorel Tiponuş - *Buffalo farm, a family business, a way of life.*

Sc. coord. Lect. Mariana Bei, PhD

3. Szabo Andrea - *Comparative study on the proteic quality and quantity of the alimentary resources.*

Sc. coord. Lect. Codruţa Lucaci, PhD

4. Adina Marchiş - *Study regarding the design and reliability kitchen furniture with computer program PRO 100.*

Sc. coord. Lect. Tudor Moţiu, PhD

5. Călin Cabău - *Research on 4236 forest ecosystem type european beech stand with Festuca drymeja within the segment of landscape situated on low western hills of Tinca Forest District.*

Sc. coord. Lect. Cristina Roşan, PhD

6. Ioana Moca - *Regenerative capacity of some aromatic species from Laminaceae family.*

Sc. coord. Lect. Ruska Laszlo, PhD

7. Lavinia Banda - *Inappropriate conditioning after harvesting influences the quality of bakery wheat.*

Sc. coord. Lect. Alina Ardelean, PhD

8. Valentin Chirodea - *Research Regarding the Preservation of Pepper by Freezing.*
9. Daniela Reste - *Research Regarding the Preservation Possibilities of black cranberries by Freezing.*

Sc. coord. Lect. Carmen Iancu, PhD

10. Florica Popa - *Research on the involvement of some parameters to improve the efficiency of machinery requires sorting seeds by rubbing.*

Sc. coord. Lect. Raluca Popovici, PhD

11. Dobai Iosif - *Identification of the Escherichia Coli species by cultural and biochemical characteristics.*

GENERAL TOTAL: 115