**University of Oradea**
**Faculty of Environmental Protection**

*International Symposium*

# *"SUSTAINABLE DEVELOPMENT: CHALLENGES AND OPPORTUNITIES"*

**November 06-07, 2026**
**Oradea, Romania**

**PROGRAM BOOKLET**

***University of Oradea***
***Faculty of Environmental Protection***

***in collaboration with***
Academy of Romanian Scientists
University of Debrecen (Hungary)
University of Szeged (Hungary)
University "Politehnica" Timişoara (Romania)
University of Coimbra (Portugal)
University of Canakkale Onsekiz Mart (Turkey)
Atatürk University, Erzurum (Turkey)
University of Niś (Serbia)

**under the patronage of**
**Ministry of Education and Research**

organize
***International Symposium***

# "*SUSTAINABLE DEVELOPMENT: CHALLENGES AND OPPORTUNITIES*"

**November 06-07, 2026**
**Oradea, Romania**

# *Organizing Committee of Symposium*

***President:*** Prof. habil. **Cristina MAERESCU,** PhD, Dean, Faculty of Environmental Protection, University of Oradea (Romania)

***Scientific coordinator:*** Prof. habil. **Olimpia MINTAȘ**, PhD, Vice-dean, Faculty of Environmental Protection, University of Oradea (Romania)

***Vice-presidents:***

Ass. Prof. **Andra LAZĂR,** PhD, Vice-dean, Faculty of Environmental Protection, University of Oradea (Romania)
Ass. Prof. **Gabriel CHEREGI**, PhD, Vice-dean, Faculty of Environmental Protection, University of Oradea (Romania)
Prof. habil. **Nicu Cornel SABĂU**, PhD, Head of Environmental Engineering Department, Faculty of Environmental Protection, University of Oradea (Romania)
Prof. habil**. Adrian TIMOFTE,** PhD, Head of Forestry Department, Faculty of Environmental Protection, University of Oradea (Romania)
Ass. Prof. **Ioana BORZA,** PhD, Head of Agriculture, Horticulture Department, Faculty of Environmental Protection, University of Oradea (Romania)
Ass. Prof. **Adrian TIMAR**, PhD, Head of Food Engineering Department, Faculty of Environmental Protection, University of Oradea (Romania)
Ass. Prof. **Monica DODU**, PhD, Head of Animal Husbandry and Agritourism Department, Faculty of Environmental Protection, University of Oradea (Romania)
Prof. **Brîndușa COVACI,** PhD, CBM International University (SUA)
Prof. **Mihai COVACI,** PhD, CBM International University (SUA)

**Members:**

Prof. **László STÜNDL**, PhD, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen (Hungary)
Prof. **Béla KOVÁCS,** PhD General, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen (Hungary)
Prof. **Péter SIPOS,** PhD, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen (Hungary)
Prof. **András JÁVOR,** PhD, University of Debrecen (Hungary)
Prof. **Péter PEPÓ,** PhD, University of Agricultural Sciences, Debrecen (Hungary)
Prof. **Patrick MARTIN,** PhD**,** University of Artois (France)
Prof. **István KOMLÓSI**, PhD, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen (Hungary)
Prof. **János NAGY,** PhD, University of Debrecen (Hungary)
Prof. **Istvan BIRO,** PhD, Faculty of Engineering Szeged (Hungary)
Ass.Prof. **Zsuzsanna HORVÁTH**, PhD Vice-dean General, Faculty of Engineering Szeged (Hungary)
Ass.Prof. **Joszef GÁL**, Faculty of Engineering Szeged (Hungary)
Prof. **Károly PETŐ**, PhD, Faculty of Applied Economics and Rural Development, Debrecen (Hungary)
Prof. **Antal VÉHA**, PhD, University of Szeged (Hungary)
Prof. **János KÁTAI**, PhD, University of Debrecen (Hungary)

Prof. **János TAMÁS**, PhD, University of Debrecen (Hungary)
Prof. **Teodor Eugen MAN**, PhD, University "Politehnica" Timişoara (Romania)
Prof. **Teodor ROBU**, PhD, University of Agricultural Sciences and Veterinary Medicine of Iaşi (Romania)
Prof. **Marius USTUROI**, PhD, "Ion Ionescu de la Brad", University of Agricultural Sciences and Veterinary Medicine of Iaşi (Romania)
Prof. **Costel SAMUIL**, PhD, Faculty of Agriculture, University of Agricultural Science and Veterinary Medicine of Iaşi (Romania)
Prof. **Mircea CURILĂ**, PhD, Faculty of Environmental Protection, University of Oradea (Romania)
Prof. habil. **Radu BREJEA**, PhD, Faculty of Environmental Protection, University of Oradea (Romania)
Prof. habil. **Cristian DOMUȚA**, PhD, Faculty of Environmental Protection, University of Oradea (Romania)
Prof. habil. **Manuel GÎTEA**, PhD, Faculty of Environmental Protection, University of Oradea (Romania)
Prof. habil. **Ruben BUDĂU**, PhD, Faculty of Environmental Protection, University of Oradea (Romania)
Prof. habil. **Aurelia CHEREJI**, PhD, Faculty of Environmental Protection, University of Oradea (Romania)
Ass. Prof. **Adelina VENIG,** PhD, Faculty of Environmental Protection, University of Oradea (Romania)
Ass. Prof. **Ramona BACTER**, PhD, Faculty of Environmental Protection, University of Oradea (Romania)
Ass. Prof. **Mariana BEI**, PhD, PhD, Faculty of Environmental Protection, University of Oradea (Romania)

***Publication committee:***

Lect. **Ana PEREȘ**, PhD – president, Lect. **Cristian ONEȚ**, PhD - vice-president; - vice-president; Lect. **Anca CHEREJI**, PhD - vice-president; Ass.Prof. **Anamaria SUPURAN –** english expert, PhD; Lect. **Ioana CHEBELEU**, PhD; Lect. **Ionuț CHEREJI**, PhD; Lect **Eugen JUDE**, PhD; **Nandor KOTELES**, PhD; Ass. Prof. **Cristina ROȘAN**, PhD; Ass. Prof. **Anamaria MORNA**, PhD; Lect. **Eugenia ȘERBAN**, PhD; Lect. **Carmen IANCU,** PhD; Ass Prof. . **Marinela Florica BODOG**, PhD; Lect **Petrică Tudor MOTIU,** PhD; Lect **Andrada IENCIU**, PhD; Lect **Adrian FELEA**, PhD - members.

## Scientifical board

**Agriculture – Horticulture – Forestry**

Prof..habil. **Adrian TIMOFTE**, PhD, Romania
Prof. habil. **Ruben BUDĂU,** Romania
Prof. **Péter PEPÓ**, PhD, Hungary
Prof. **János NAGY**, PhD, Hungary
Prof. **János KÁTAI**, PhD, Hungary
Prof. **Miklos PAKURAR**, PhD, Hungary
Prof. **Laszló RADÓCZ**, PhD, Hungary
Prof. **Juliana MOLNÁROVA,** PhD, Slovakia
Prof**. Ertan YILDIRIM**, PhD, Turkey
Prof. **Rodica SIMA**, PhD, Romania
Prof. **Roxana VIDICAN,** PhD, Romania
Prof. **Teodor ROBU**, PhD, Romania
Prof. **Costel SAMUIL**, PhD, Romania
Prof. **Dorel HOZA**, PhD, Romania
Prof.**Olimpia IORDĂNESCU**,PhD, Romania
Prof.habil.**Adrian PETICILĂ**, PhD Romania
Prof. **Teodor RUSU**, PhD, Romania
Prof. **Ioan PĂCURAR**, PhD, Romania
Prof. **Dan VÂRBAN**, PhD, Romania
Prof. **Marcel DUDA,** PhD, Romania
Ass.Prof.habil. **Sylvia LEWANDOWSKA**, Poland
Ass.Prof. **Dragan, TERZIC**, PhD, Serbia
Ass.Prof. **Avram FIȚIU**, PhD, Romania
ScR. **Manuela ABELHO**, PhD, Portugal

**Environmental Engineering – Natural Resources and Sustainable Development**

Prof.habil.**Nicu Cornel SABĂU**, PhD, Romania
Prof.habil. **Aurelia ONEȚ**, PhD, Romania
Prof. **János TAMAS**, PhD, Hungary
Prof. **János LAZÁNYI**, PhD, Hungary
Prof. **Elena MAESTRI,** Italy
Prof. **Patrick MARTIN,** PhD**,** France
Prof. **Teodor Eugen MAN**, PhD, Romania
Pof. **Malgorzata DŻUGAN**, PhD, Poland
Pof. **Miglena ZHIYANSKI**, PhD, Bulgary

**Animal Husbandry and Agritourism**

Prof.habil. **Cristina MAERESCU**, PhD, Romania
Prof.habil. **Daniel MIERLIȚĂ**, PhD, Romania
Prof.habil. **Aurelia CHEREJI,** PhD, Romania
Prof. **Andras JÁVOR**, PhD, Hungary
Prof. **István KOMLÓSI,** PhD, Hungary
Prof. **András NÁBRÁDI,** PhD, Hungary
Prof. **Federico RIGHI,** ,PhD, Italy
Prof. **Marius USTUROI**, PhD, Romania
Prof. **Benone PĂSĂRIN**, PhD, Romania
Prof. **Ioan PEȚ,** PhD, Romania
Prof. **Stelian DĂRĂBAN**, PhD, Romania
Prof. **Cristina TINDECHE,** PhD, Romania
Prof.habil. **Lavinia ȘTEF**, PhD, Romania
Prof.habil. **Elena TOMA,** PhD, Romania
Ass. Prof. **Ramona BACTER,** PhD, Romania

**Food Science and Technology**

Prof**.** habil. **Simona VICAS**, PhD, Romania
Prof**.** habil. **Anca BRATA**, PhD, Romania
Prof. **Antal VÉHA**, PhD, Hungary
Ass.Prof. **Camelia BARA,** PhD, Romania
Ass. Prof**. Adrian VUȘCAN**, PhD, Romania
Ass. Prof**. Anamaria MORNA**, PhD, Romania

## CONTENTS

**Timetable** **7**

***AGRICULTURE*** **9**

***HORTICULTURE*** **11**

***FORESTRY*** **13**

***ANIMAL HUSBANDRY*** **15**

***AGRITOURISM*** **16**

***ENVIRONMENTAL ENGINEERING*** **21**

***NATURAL RESOURCES AND SUSTAINABLE DEVELOPMENT*** **23**

***FOOD SCIENCE AND TECHNOLOGY*** **25**

# TIMETABLE

***06. November 2026– Environmental Protection Faculty, Oradea***

**$9^{30}$- $10^{00}$** **Registration of Participants**

**$10^{00}$- $11^{00}$** **Opening Ceremony** – Welcome Speech – Prof. habil. **Cristina MAERESCU**, PhD, Dean, Faculty of Environmental Protection, University of Oradea
Speaker - Prof. habil. **Constantin BUNGĂU**, PhD, Rector, University of Oradea

**$11^{00}$- $13^{30}$** **Presentation of the Scientific Papers**

1. **Simona Ioana VICAS** - Interdisciplinary Research Directions in Plant Biotechnology, Bioactive Compounds, and Nanobiotechnology for Sustainable Development
2. **Karoly Alexandru RACZ, Nicu Cornel SABĂU** - GIS Assessment of Soil Mapping Units Associated with Aggregate Extraction and Present-Day Pedological Characterization in Ineu, Bihor County, Romania
3. **Adina Nicoleta POP,** Ali Ali **REHDA**, Tuba **ESATBEYOĞLU**, **Simona Ioana VICAS** - Sustainable Valorization of *Morus* sp. Leaves as a Source of Bioactive Compounds through Green Extraction Methods
4. **Richard ZSIROS, Cristina Adriana ROSAN, Simona Ioana VICAS** - Influence of nanoselenium on germination processes, early growth and physiological responses to water stress in sorghum (*Sorghum bicolor*).
5. **Vlad Andrei MOLDOVAN, Monica BAIA, Joanna SULECKA-ZADKA, Klaudia MARCINKOWSKA, Agnieszka ŚMIESZEK, Simona Ioana VICAS** - Green versus Chemical Routes to Selenium Nanoparticles: Balancing Process Sustainability, Particle Reproducibility and Biological Respons
6. **Raul-Dacian VIDICAN, Radu Petru BREJEA, Monica MAGYAR, Camelia Mihaela BARA -** Correlations between Carotenoid Content and Sweet Corn (*Zea mays* L. var. *saccharata*) Yield: A Case Study in the Crișului Negru Meadow
7. **Olivia Paula OROS -** Understanding Romanian Generational Preferences and Travel Decision-Making When Choosing a Rural Destination

8. **Florin Gheorghe LUP -** Evaluation of Productive and Economic Performance and Feed Efficiency in Modern Pig Farming: A Case Study of Nutriție SRL, Sălacea, Bihor County, Romania

9. **Octavian BERCHEZ, Olimpia Smaranda MINTAȘ, Calin Gheorghe PASCUT**
Vegetation Conditions of Agricultural Crops and Limiting Factors of Agricultural Production in the Parhidei Plain

10. **Laurentiu Bogdan BAN, Radu Petru BREJEA, Raul Dacian VIDICAN -** The Effect of Urease Inhibitors on Nitrogen Fertilization Efficiency and Wheat Productivity in Bihor County, Romania

11. **Olimpia MINTAȘ**
Assessment of the Impact of Extractive Activities on Biodiversity in the Context of Sustainable Development – A Case Study in Natura 2000 Sites

12. **Ghiță Cristian CRAINIC**
Control in Activities Related to the Forestry Sector: Paradigm, Specific Features, and Results

**$13 - 13^{30}$ MDPI Editorial presentation**
**$13^{30} - 14^{00}$ Q & A Session**
**$14^{00}$ Official lunch (Crinul Alb Restaurant, Oradea)**

***07. November 2026 – University of Oradea, Faculty of Environmental Protection, Oradea***

**$10^{30} - 12^{00}$ Scientific Symposium- Presentation of Scientific Papers/ Poster**

## *Section 1*
## *AGRICULTURE – HORTICULTURE- FORESTRY*

**Chairman: Prof. habil. Adrian TIMOFTE, PhD**
**Moderators: Prof. habil. Manuel GÎTEA, PhD**
**Prof. habil. Szilárd BARTHA, PhD**
**Prof. habil. Ruben BUDĂU, PhD**
**Ass. Prof. Ioana BORZA, PhD**
**Ass. Prof. Gabriel CHEREGI, PhD**
**Ass. Prof. Andra LAZĂR, PhD**
**Ass. Prof. Mihai CĂRBUNAR, PhD**
**Ass. Prof. Alina STANCIU, PhD**
**Ass. Prof. Adelina VENIG, PhD**
**Ass. Prof. Marinela BODOG, PhD**

**Secretaries: Lect. Octavian BERCHEZ, PhD**
**Lect. Călin DUBĂU, PhD**
**Lect. Teodora VIDICAN, PhD**
**Lect. Andrada BUIBAȘ-IENCIU, PhD**
**Lect. Adrian FELEA, PhD**

### *Section AGRICULTURE*

*Friday, 06 November*

1. **Laurențiu Bogdan BAN, Andra Nicoleta LAZĂR, Carmen Violeta IANCU, Ioana Maria BORZA, Anamaria Melania ȘANDOR, Lavinia BACIU, Benjamin FULOP, Andrei MAȘCAȘ**
   Smart Monitoring of Soil Parameters in Wheat Cultivation Using an ESP32-Based IoT System
2. **Patrisia BARNA, Cristian Gabriel DOMUȚA**
   Microplastics: Emerging Contaminants in Agricultural Soils
3. **Mihnea CHIOVEANU, Cristian Gabriel DOMUȚA**
   Assessment of the Risk of Desertification of Agricultural Land in Bihor County

4. **Brindusa COVACI, Radu BREJEA, Florin BORODAN, Mihai COVACI**
   The Economic Diagnosis of Agro-Rural Entrepreneurship in Bihor County: Evidence on European Funding
5. **Carmen Violeta IANCU, Mariana Florica BEI, Ioana Maria BORZA, Andra Nicoleta LAZĂR, Gabriel Remus CHEREGI, Adrian Nicolae VUȘCAN**
   Integration of Virtual and Augmented Reality in Precision Agriculture Education Through the Development of an Interactive Three-Dimensional Agricultural Drone Model
6. **Monica MAGYAR, Radu Petru BREJEA, Raul-Dacian VIDICAN, Laurențiu Bogdan BAN**
   Historical and Technological Development of Rye (*Secale Cereale* L.) Cultivation: from Medieval Agriculture to Contemporary Farming Systems
7. **Nicolae POPA, Radu Petru BREJEA, Raul Dacian VIDICAN, David BARA, Bogdan Laurențiu BAN, Ioana Giorgiana MERKA**
   Economic Feasibility of Agricultural Shelterbelts In Southern Dobrogea Through Yield Response Scenarios And Break-Even Analysis
8. **Nicolae POPA, Radu Petru BREJEA, Raul Dacian VIDICAN, Andreea Corina DOGAR, Mircea -Mihai RAȚIU**
   Agroclimatic Vulnerability Assessment And Multicriteria Prioritisation of Agricultural Shelterbelt Establishment in Southern Dobrogea, Romania
9. **Gabriela A. POPOVICIU, Iuliana Teodora VIDICAN, Andrada-Iulia BUIBAȘ-IENCIU**
   An Assessment of Agri-Environmental Challenges in Romania and Emerging Perspectives On GMO Systems As Drivers of Agricultural Risk: The European Union Regulatory Framework
10. **Roxana Maria ROMAN, Radu Petru BREJEA, Raul Dacian VIDICAN**
    The Influence of Pedoclimatic Conditions on Red Clover in Bihor County
11. **Alina Ștefania STANCIU, Laurențiu Bogdan BAN, Daniea PERA, Petru ȚUNEA, Ioana Teodora STANCIU**
    The Evolution of Urban Grasslands in the Context of Climate Change

12. **Monica ȘIPOȘ, Ioana BORZA, Călin BUIȚA**
The Effect Produced by Citrus Essential Oils on the Growth of *Triticum aestivum* L. Var. sacramento
13. **Monica Tabita MORAR (ROMOCEA), Annamaria PALLAG**
The Impact of Climate Change and Environmental Threats to Medicinal Plants
14. **Monica Tabita MORAR (ROMOCEA), Annamaria PALLAG**
The Protection of Wild Flora as a Sustainable Development Strategy for Expanding Phytotherapy
15. **Lorena Raisa MORAR, Maria Flavia GÎTEA, Antonia Cristina PAȘCA, Iulia Ana PAȘCA, Ioana Larisa BENE, Manuela Bianca PAȘCA**
*Althaea officinalis* L. Root Mucilage as a Natural Pharmaceutical Resource: Gastroprotective Potential and Sustainable Applications
16. **Lorena Raisa MORAR, Iulia Ana PAȘCA, Maria Flavia GÎTEA, Antonia Cristina PAȘCA, Ioana Larisa BENE, Manuela Bianca PAȘCA**
Toxic Alkaloids in Medicinal and Edible Plants: Accidental Contamination, Human Health Risks and Food Safety Implications
17. **Monica Alexandra ȚARENCO (MATEI), Radu BREJEA, Brindusa COVACI, Mihai COVACI**
Biorefining of *Allium ursinum* and *Rosa canina* from the Pădurea Craiului Mountains

## *Section HORTICULTURE*

*Friday, 06. November*

1. **Ioana Larisa BENE, Maria Flavia GÎTEA, Antonia Cristina PAȘCA, Iulia Ana PAȘCA, Lorena Raisa MORAR, Ioana CIONT, Daniela GÎTEA**
Ornamental Plants with Medicinal Value: A Review of Species used in Both Landscaping and Phytotherapy
2. **Ioana Larisa BENE, Maria Flavia GÎTEA, Antonia Cristina PAȘCA, Iulia Ana PAȘCA, Lorena Raisa MORAR, Daniela GÎTEA**
Ornamental Ranunculaceae: Beauty And Toxicity In Public And Private Gardens

3. **Andrada-Iulia BUIBAȘ-IENCIU, Iuliana Teodora VIDICAN, Mihai-Marcel CĂRBUNAR, Gabriela Argentina POPOVICIU**
   Study on the Variability of Growth and Flowering Parameters of *Tagetes erecta* L. under the Impact of Nutritional Management
4. **Mihai CĂRBUNAR, Andrada Iulia BUIBAȘ-IENCIU, Adrian FELEA, Adrian ȘTEF, Mihaela CĂRBUNAR**
   The Influence of Certain Technological Segments on Petiole Production in Several Swiss Chard Varieties
5. **Silvia Diana (SUCIU) COSTAN, Anca Cristina BABEȘ, Claudiu Ioan BUNEA, Rozsa SÁNDOR, Maria COMȘA, Anamaria CĂLUGĂR, Petrică Tudor MOȚIU, Florin-Dumitru BORA**
   The Influence of the Phytosanitary Treatments and Climatic Factors on Vine Health and Grape Quantity of Chasselas D′Ore Cultivar in the Dealurile Bihariei Region
6. **Maria Flavia GÎTEA, Ioana Larisa BENE, Iulia Ana PAȘCA, Antonia Cristina PAȘCA, Lorena Raisa MORAR, Daniela GÎTEA**
   Traditional Fruit Products without Added Sugar: Nutritional Benefits, Limitations, and Sustainability Considerations in Type 2 Diabetes
7. **Antonia Cristina PAȘCA, Iulia Ana PAȘCA, Andreea ROȘIAN, Maria Flavia GÎTEA, Ioana Larisa BENE, Manuela Bianca PAȘCA**
   *Elaeagnus angustifolia* L.: Balancing Medicinal and Ecological Benefits with Invasive Potential
8. **Antonia Cristina PAȘCA, Iulia Ana PAȘCA, Lorena Raisa MORAR, Maria Flavia GÎTEA, Ioana Larisa BENE, Manuela Bianca PAȘCA**
   Sustainable Harvesting of Tilia Flowers: Balancing Medicinal use and Pollinator Conservation
9. **Iulia Ana PAȘCA, Lorena Raisa MORAR, Antonia Cristina PAȘCA, Maria Flavia GÎTEA, Ioana Larisa BENE, Manuela Bianca PAȘCA**
   *Ginkgo Biloba* L. As a Bioindicator of Urban Pollution: A Systematic Review of Heavy Metal Accumulation in Leaves
10. **Iulia Ana PAȘCA, Andreea ROȘIAN, Antonia Cristina PAȘCA, Maria Flavia GÎTEA, Ioana Larisa BENE, Manuela Bianca PAȘCA**
    Phototoxicity of Common Apiaceae Plants: Furocoumarins, UVA Exposure and Occupational Skin Health Risks

11. **Alina Dora SAMUEL, Larisa Ioana BENE, Ileana ARDELEAN, Gheorghe Emil BANDICI, Manuel Alexandru GÎTEA**
    Influence of Soil Water Conservation Treatments on Soil Enzyme Activity in a Plum Orchard
12. **Alina Dora SAMUEL, Larisa Ioana BENE, Ileana ARDELEAN, Gheorghe Emil BANDICI, Manuel Alexandru GÎTEA**
    Soil Urease Activity under Wool Mulch and Soil Conditioner Management Practices
13. **Adelina VENIG, Cosmin Mihai ALEXANDRU, Orsolya BORSAI, Ionuț DASCĂLU**
    Comparative Analysis of Growth Performance and Morphological Traits in Young Sweet Cherry Trees (*Prunus avium L.)*
14. **Adelina VENIG, Tabita ADAMOV, Nicoleta MATEOC, Elena PEȚ**
    Economic Efficiency and Labor Productivity in Commercial Walnut Orchards (*Juglans regia L.*)

## *Section FORESTRY*

*Friday, 06 November*

1. **Anca Ioana BLAGA (MARTIN)**
   The Role of Public Relations in Crisis Management: From Risk Prevention to Internal Communication and Organizational Leadership
2. **Anca Ioana BLAGA (MARTIN)**
   Ethics, Transparency, and Stakeholder Communication in Crisis Management: Media Relations, Online Crisis Propagation, and Response Evaluation
3. **Ruben BUDĂU**
   Dimensional Classification and Evidence-Based Species Evaluation for the Urban Tree Stock Of Oradea Municipality **(**Romania): A Case Study
4. **Laviniu BURESCU, Iulia Florina POP**
   Study of the forests belonging to the *Soldanello oreodoxae-Piceetum* association Included in the Natural Habitat of Community Interest 9410 Acidophilous *Picea* forests *Vaccinio-Piceetea*, from the Vlădeasa Mountains-Western Carpatians
5. **Mircea CHEBELEU**
   Special Confiscation Of Means Of Transport Belonging To Bona Fide Third Parties Under The Provisions of Article 151, Paragraph (5) of the Forestry Code (Law No. 331/2024) – Article 2

6. **Mircea CHEBELEU**
   Repeated Transport of Timber Materials Under the Provisions of Article 151, Paragraph (4) of the Forestry Code (Law No. 331/2024). Legislative Drafting Deficiencies and Their Implications for Statutory Sentencing.
7. **Călin Gavril DUBĂU, Adriana CĂTAȘ, Emilia BORȘA, Karoly Vasile MURIN, Tudor Petrică MOȚIU**
   Analysis of A-frame Timber House Construction; A Structural Study on their Static Operating Principle
8. **Laura DERECICHEI, Codruța LUCACI, Gabriel CHEREGI, Voichița TIMIȘ-GÂNSAC, Mark-Andrei DERECICHEi, Beniamin Daniel BOROS**
   Contributions to Production Flow Optimization for Mobile Homes Using CNC Machining Centers
9. **Lucian Sorin DOROG, Călin Gheorghe PĂȘCUȚ, Ghiță Cristian CRAINIC**
   Increasing Operational Efficiency Through Implementing SUMAL Systems
10. **Marius Seban FETEA**
    Comparative Static Analysis of Wooden Beams Subjected to Double Bending
11. **Codruța LUCACI, Gabriel CHEREGI, Laura DERECICHEI, Voichița TIMIȘ GÂNSAC, Mihai DEHELEAN**
    Technological Study of 5-Axis CNC Milling of MDF Drawer Fronts for Bathroom Furniture
12. **Petrică Tudor MOȚIU**
    Research on 6732 Forest Ecosystem Type *Sessil Oak - Common Oak* Mixed Stand with *Poa-Carex Praecox* (Regional Version with *Turkey Oak* and *Hungarian Oak*) within the Segment of Landscape Situated on Low Western Hills of Tinca Forest District
13. **Camelia Elena MOGA, Claudia Simona TIMOFTE**
    The Impact of Legislative Changes on Certification Criteria and Annual Timber Harvesting Capacity of Economic Operators in the Forestry Sector (2015–2026)
14. **Camelia Elena MOGA, Tudor Vasile TIMIȘ, Adrian Ioan TIMOFTE**
    The Role of Logging Site Sketches in the Planning and Organization of Timber Harvesting Operations: A Case Study in Aleșd Forest District, Bihor Forest Administration, Romania

15. **Călin Gheorghe PĂȘCUȚ**
    Phytosociological Studies of Grassland Vegetation in the Ciucea-Negreni Depression, Cluj County, Romania
16. **Călin Gheorghe PĂȘCUȚ, Octavian BERCHEZ, Stelian Dorian PANTEA, Valeriu Adrian ȘTEF, David Emanuel BARA, Andrea Maria PĂȘCUȚ**
    Phytosociological Research on the Saxicolous Vegetation of the Briheni Valley (Codru-Moma Mountains, Bihor County, Romania)
17. **Adrian TUNDUC**
    From Forest Productivity to Sustainable Resource Valorisation: Governance as a Bridge between the Economic, Social and Cultural Responsibility of Forest
18. **Adrian TUNDUC**
    Forest Resources, Circular Economy and Sustainable Governance: Contributions to Responsible Forest Management in the Context of the European Green Deal

## *Section 2*
## *ANIMAL HUSBANDRY AND AGRITOURISM*

**Chairman: Ass.Prof. Monica DODU, PhD**
**Moderators: Prof. habil. Daniel MIERLIȚĂ, PhD**
**Prof.habil. Cristina MAERESCU, PhD**
**Prof.habil. Olimpia MINTAȘ, PhD**
**Ass. Prof. Ramona BACTER, PhD**
**Ass. Prof. Alina GHERDAN, PhD**

**Secretaries: Lect. Ioana CHEBELEU, PhD**
**Lect. Ionuț CHEREJI, PhD**

### *Section ANIMAL HUSBANDRY*

*Friday, 06 November*

1. **Tibor Zsolt CZIRJÁK**
   Research Regarding Certain Epidemiological and Clinical Aspects of Pulmonary Diseases in Domestic Ruminants
2. **Ramona CHIRILĂ**
   Tick Treatment in Dogs During The Cold Season: Myth or Reality?

3. **Monica DODU, Mirela CASĂU CRAINIC, Florin Gheorghe LUP, Denis Paul BACTER, Arianna Johanna OAIE**
   Research on the Bio-Productive Performances of Common Pheasant Population (*Phasianus colchicus colchicus*) from Western Romania
4. **Aurelian Leonardo ILIE, Mariana MARINESCU**
   Coleopterans, butterflies and moths from Tinca area (Bihor county, Romania) during 2026
5. **Daniel MIERLITA**
   Effect of Complete Replacement of Soybean Meal with Rapeseed Meal on Productive Performance and the Nutritional Profile of Milk in Jersey Cows
6. **Liviu-Dorin RUS, Daniel MIERLIȚĂ, Dănuț-Ioan STRUȚI**
   Growth Performance and Meat Quality Responses to Dietary Antioxidants in Heat-Stressed Broiler Chickens

## *Section AGRITOURISM*

*Friday, 06 November*

1. **Tabita ADAMOV, Tiberiu IANCU, Andrea FEHER, Anda MILIN, Gabriela POPESCU, Luminița PÎRVULESCU, Elena PEȚ, Ramona CIOLAC, Camelia MĂNESCU, Cosmina TOADER**
   Convergence of Romanian Agriculture within the European Union: Structural Disparities, Productivity, and Economic Performance
2. **Tabita ADAMOV, Tiberiu IANCU, Elena PEȚ, Ramona CIOLAC, Camelia MĂNESCU, Iuliana MERCE, Anka PASCARIU, Marius GORDAN, Dragoș CHENDE, Andrei RUSU**
   Household Food Waste and Socioeconomic Vulnerability: A Comparative Analysis Across the European Union
3. **Ramona Vasilica BACTER, Denis Paul BACTER**
   Recruitment and Professional Competence Development in the Hotel Industry: An Analysis of Human Resource Management Practices During the Launch of Mercure Oradea
4. **Ramona Vasilica BACTER, Denis Paul BACTER**
   Strategic Negotiation And Value Creation In Hotel Commercial Relationships: A Documentary Case Study of Mercure Oradea

5. **Ramona Vasilica BACTER, Alina Emilia Maria GHERDAN, Luminița Cornelia PÎRVULESCU, Ramona Mariana CIOLAC, Tiberiu IANCU, Tabita Cornelia ADAMOV, Dragoș CHENDE**
   Strategic Management and Economic Feasibility of Launching A Small Restaurant In Romania: An Entrepreneurial Scenario Analysis
6. **Denis Paul BACTER, Anthony Rapfael MAGHIARI, Arianna Johanna OAIE, Luminița PÎRVULESCU**
   Legal and Regulatory Framework for Tourism and Agritourism Development in Romania: Challenges, Compliance and Sustainable Business Perspectives
7. **Călin Florin BACTER, Dana Valeria BONCA, Elena Manuela CLIMPE, Ancuța Dana CRIȘAN, Mirela Salvia CASAU-CRAINIC**
   Strategic Management and Educational Leadership in Romanian Pre-University Education: Challenges, Performance and Development Perspectives
8. **Paul Darius BERCE, Iuliana Maria SZABO (NAGHIU), Alina Emilia Maria GHERDAN**
   Leisure Service Diversification Strategies for Reducing Seasonality in Mountain Resorts
9. **Anca CHEREJI**
   Incidence of Viral Hepatitis A in the North-West Region of Romania
10. **Elena COZAC**
    Territorial Differentiation in the Development of Tourism in Romania
11. **Elena COZAC, Iuliana Maria NAGHIU (SZABO)**
    The Role of Rural Tourism in Ensuring the Prosperity of Rural Residents in Romania
12. **Aurelia Ioana CHEREJI, Irina Adriana CHIURCIU, Ionuț CHEREJI, Tabita Cornelia ADAMOV, Cristina Maria MAERESCU**
    From the EU CAP Network to the National Rural Network: Their Role in Facilitating Access to Rural Development Funding
13. **Rebeca Claudia CHIRILĂ, Ramona Vasilica BACTER, Iulia Cristina MUREȘAN**
    Demographic Dynamics and Local Economic Development in the Mountain Communes of Bulz, Bratca and Șuncuiuș
14. **Mirela Salvia CASĂU, Alina Emilia Maria GHERDAN**
    Optimization of Managerial Processes and Enhancing Competitiveness in the Restaurant Industry: A Case Study of Ancora Restaurant, Salonta, Romania

15. **Dragoș-Ciprian CHENDE, Tiberiu IANCU, Tabita ADAMOV, Ramona CIOLAC, Camelia MĂNESCU, Ciprian RUJESCU, Iuliana MERCE, Marius GORDAN, Ioana-Anda MILIN**
    Mountain Tourism and Socioeconomic Disparities: A Comparative Analysis of Mountain Regions in Romania and the European Union
16. **Simona Cristina CONSTANTINESCU, Elena Claudia SÎRBULESCU, Manuela-Dora ORBOI, Elena TONEA, Carmen Simona DUMITRESCU, Oana Maria SICOE-MURG**
    Formal Education Versus Non-Formal Education in the Promotion and Development of Rural Tourism
17. **Simona Cristina CONSTANTINESCU, Elena Claudia SÎRBULESCU, Manuela-Dora ORBOI, Elena TONEA, Carmen Simona DUMITRESCU**
    The Role of Services in Sustainable Agriculture
18. **Natalia CUC, Melisa CUC, Iulia Cristina MUREȘAN**
    A Study on Traveler Perceptions of SPA and Wellness Tourism
19. **Ancuța Dana CRIȘAN, Marinela Lidia FILIP, Tudor Ionuț IANCU, Eugen Șerban HĂLBAC, Andrei Bogdan CARAMAN**
    Smart Tourism Management Systems: Integrating Technologies and Applications in the Analysis of Environmental Indicators within Protected Regions
20. **Cristian Rareș DAINA, Denis Paul BACTER, Oana Maria PERȚ, Nicolae-Gheorghe DULUȘ-GABORAȘ**
    Environmental Quality and Public Health In The Context Of Sustainable Development: An Integrative Review of Geospatial Technologies and Ecological Engineering Solutions
21. **Alina Emilia Maria GHERDAN, Tănase Călin LADĂR, Monica Angelica DODU**
    Sustainable Marketing and the Valorization of Livestock Production: A Case Study of An Organic Farm in Bihor County, Romania
22. **Marius GORDAN, Iuliana MERCE, Tabita Cornelia ADAMOV, Dragos CHENDE, Anda MILIN, Tiberiu IANCU, Anka PASCARIU**
    Why Tourists Choose Farm Stays: A Review of Visitor Motivations
23. **Tiberiu IANCU, Tabita Cornelia ADAMOV, Ramona CIOLAC, Luminița Cornelia PÎRVULESCU, Alina Emilia Maria GHERDAN, Ramona Vasilica BACTER**
    Integrating Circular Economy Principles Into Culinary Production and Food Service Management

24. **Camelia MANESCU, Tiberiu IANCU, Ramona CIOLAC, Nicoleta MATEOC-SIRB, Tabita ADAMOV, Ioan BRAD, Anda MILIN, Elena TONEA, Diana MARIN, Oana SICOE-MURG, Anka PASCARIU**
Research on the Sustainable Development of Ocna Sugatag Commune, Maramures County
25. **Anca Iulia DUDAȘ GĂLĂȘEL, Olivia Paula OROS**
An Analysis of the Recruitment Process and Its Impact on Employee Retention: A Case Study of SC Salaam Foods in Bihor County, Romania
26. **Ioana Anda MILIN, Tiberiu IANCU, Nicoleta MATEOC-SIRB, Tabita Cornelia ADAMOV, Iuliana Ioana MERCE, Camelia MANESCU, Claudia SIRBULESCU, Marius Ionut GORDAN, Oana SICOE -MURG, Dragos Ciprian CHENDE**
The Relationship Between Environmental Taxes and Environmental Protection Expenditure at the National Level
27. **Iuliana Ioana MERCE, Ioana Anda MILIN, Tabita ADAMOV, Dragos CHENDE, Gabriela POPESCU, Ioan BRAD, Remus GHERMAN, Elena TONEA, Claudia SIRBULESCU**
Protected Natural Areas and Ecotourism Development in Romania: Challenges and Opportunities
28. **Ioana Marina MONENCIU, Anca Alexandra HAIDU, Monica BERCE**
Effective Classroom Management: Educational Leadership Strategies, Conflict Prevention, and School Climate Enhancement
29. **Manuela – Dora ORBOI, Andreea Adriana PETCOV, Ana Maria VÎRTEIU, Ioana GROZEA, Simona Cristina CONSTANTINESCU, Elena Claudia SÎRBULESCU**
Social Farming as a Tool for Inclusion and Community Development
30. **Manuela – Dora ORBOI, Andreea Adriana PETCOV, Ana Maria VÎRTEIU, Ioana GROZEA, Silvia PRUNAR, Simona Cristina CONSTANTINESCU, Elena Claudia SÎRBULESCU**
Career Management in the Context of the Transition to a Green Economy: Skills, Challenges, and Opportunities
31. **Olivia Paula OROS, Anca Iulia DUDAS GALASEL**
Assessing Food and Beverage and Accomodation Services for Families with Children in Bihor County
32. **Anka Roxana PASCARIU, Gordan MARIUS, Dragoș CHENDE, Iasmina IOSIM, Tabita ADAMOV, Tiberiu IANCU**
The Role of Digital Communication in Building Organizational Image

33. **Anka Roxana PASCARIU, Camelia MĂNESCU, Dragoș CHENDE, Iasmina IOSIM, Tabita ADAMOV, Tiberiu IANCU**
    Communicating Sustainability In Tourism: An Analysis of Online Promotion Strategies, the Role of Digital Communication In Building Organizational Image
34. **Oana Maria PERȚ, Arianna Johana OAIE, Mirela Salvia CASĂU-CRAINIC**
    Sustainable Development of Agritourism Infrastructure through the Integration of Ecological Architecture, Geospatial Technologies and Responsible Resource Management
35. **Diana Nicoleta RABA, Tiberiu IANCU, Mariana Ramona Ciolac, Tabita ADAMOV, Andrea FEHER, Luminița PÎRVULESCU**
    Challenges and Opportunities of Implementing Circular Economy Principles in the Meat Industry
36. **Diana Nicoleta RABA, Delia-Gabriela DUMBRAVA, Camelia MOLDOVAN, Mirela-Viorica POPA, Fabiana STROE**
    Management of Honey Processing: Technological, Economic, and Quality Perspectives
37. **Andrei RUSU, Tiberiu IANCU, Nicoleta, MATEOC-SÎRB, Andrea FEHER, Ramona CIOLAC, Cosmin SĂLĂȘAN, Cosmina TOADER, Tabita ADAMOV**
    From Waste Collection to Resource Recovery: Assessing Circularity In Municipal Waste Management in Timis County
38. **Oana SICOE-MURG, Ioana Anda MILIN, Elena TONEA, Simona Cristina CONSTANTINESCU, Camelia MĂNESCU, Loredana VADUVA, Ioan BRAD, Nicoleta MATEOC-SÎRB**
    Evolution And Structure Of Agricultural Areas Developed Through Land Improvement Works In The North-West Development Region
39. **Elena Claudia SÎRBULESCU, Luminița PÎRVULESCU, Simona Cristina CONSTANTINESCU, Manuela-Dora ORBOI, Andrea-Ana FEHER**
    Aspects of Financing Businesses In Romanian Agriculture
40. **Elena Claudia SÎRBULESCU, Simona Cristina CONSTANTINESCU, Manuela-Dora ORBOI, Ioana-Anda MILIN, Cosmina TOADER, Carmen Simona DUMITRESCU**
    Analysis of Environmental Protection Expenditures in Romania's Development Regions and their Impact on Sustainable Development

41. **Elena TONEA, Camelia MĂNESCU, Iuliana MERCE, Simona CONSTANTINESCU, Claudia SÎRBULESCU, Loredana VĂDUVA, Oana SICOE-MURG, Lia Sanda ROTARIU**
The Impact of Ecological Accounting on Agriculture: Hidden Costs and Environmental Decisions
42. **Elena TONEA, Camelia MĂNESCU, Iuliana MERCE, Simona CONSTANTINESCU, Claudia SÎRBULESCU, Loredana VĂDUVA, Oana SICOE-MURG, Lia Sanda ROTARIU**
The Historical Evolution of Accountancy: from Ancient Record-Keeping to Modern Financial Systems, with a Focus on Romania
43. **Loredana VĂDUVA, Diana MARIN, Elena TONEA, Oana SICOE-MURG, Simona CONSTANTINESCU**
Reducing Food Waste in Foodservice Establishments: Managerial Strategies and Economic Implications
44. **Loredana VĂDUVA, Diana MARIN, Elena TONEA, Simona CONSTANTINESCU, Oana SICOE-MURG**
Sustainable Valorization of Banat's Gastronomic Heritage through Gastronomic Tourism: Opportunities and Prospects for Regional Development

## *Section 3*
## *ENVIRONMENTAL ENGINEERING - NATURAL RESOURCES AND SUSTAINABLE DEVELOPMENT*

### *Section ENVIRONMENTAL ENGINEERING*

**Chairman: Prof. habil. Nicu Cornel SABĂU, PhD**
**Moderators: Prof. habil. Radu BREJEA, PhD**
**Prof.habil. Aurelia ONEȚ, PhD**
**Ass. Prof. Emilia PANTEA, PhD**
**Ass. Prof. Cristian ONEȚ, PhD**

**Secretaries: Lect. Monica COSTEA, PhD**
**Lect. Eliza AGUD, PhD**

*Friday, 06 November*

1. **Eliza AGUD, Emilia PANTEA, Oneț Aurelia, Costea Monica, Carmen GHERGHELEȘ**
The Influence of Culture Media and Growth Regulators on the In Vitro Development of the Species *Syringa josikaea*

2. **Marius Seban FETEA**
   Static Analysis of the Behavior Under External Loads of Buried Pipes Made of Different Materials
3. **Maria Flavia GÎTEA, Ioana Larisa BENE, Iulia Ana PAȘCA, Antonia Cristina PAȘCA, Lorena Raisa MORAR, Ionela Andreea OACHEȘ, Daniela GÎTEA**
   Heavy Metals in Drinking Water and Chronic Disease Risk: A Review
4. **Nandor KÖTELES, Ana Cornelia PEREŞ, Adela Olimpia VENTER**
   Analysis of the Hydrological Regime of the Cigher River in 2024 in the Context of Current Climatic Conditions
5. **Emilia Valentina PANTEA, Diana Maria FILIP**
   Integrated Assessment of Spring Water Quality in Șumugiu, Bihor County, Romania, Based on Hydrochemical Indicators and the Water Quality Index
6. **Ana Cornelia PEREȘ, Adela Olimpia VENTER, Nandor KÖTELES, Nicoleta Mădălina CÎMPAN, David Emanuel BARA**
   Tropospheric Ozone Pollution in Romania during 2024–2025
7. **Eugenia ȘERBAN, Ghiță Cristian CRAINIC, Ribana LINC, Georgeta ȘERBAN**
   Trend of the Number of Frost Days at the Oradea Weather Station, Romania
8. **Adela Olimpia VENTER, Ana Cornelia PEREȘ, Nandor KÖTELES**
   Optimizing Livestock Processes Using the Simplex Method in MATLAB

## *Section NATURAL RESOURCES AND SUSTAINABLE DEVELOPMENT*

*Friday, 06 November*

1. **Noureddine ADJLANE, Soumeya KAOUCHE, Ali DJEMATENE, Nizar, HADDAD, Fani HATJINA**
   Field Evaluation Of Algerian Propolis Strips Against Varroa Destructor in *Apis Mellifera* Colonies under Mediterranean Conditions
2. **Olufunlola Odunayo AKINOLA, Udochi Inwon FINGESI, Olusegun Olusola OBADIMU**
   Tree Species Diversity and Structural Composition of Akure Forest Reserve, Ondo State, Nigeria: Implications For Sustainable Forest Management
3. **Fenta AMARE, Wondie MENALE, Dessie ASSEFA**
   Assessment of Biomass and Carbon Stock in the Lowland Dry Forests of Metema District, Northwestern Ethiopia
4. **Ramachandran ARUN, George AARON**
   Two Paths to Sustainable Development: Cluster Analysis of Global Biofuel Archetypes
5. **Paul Enemona EDIBO, Onucheojo Hilary EDOGBANYA, Felix Yakubu ADAH**
   The Assessment of HELIUM-3 ($^3$He) Properties, Applications, and Strategic Importance
6. **Ahmed EL-MEKAWY, Youssef YASSER, Alin Cristian TEUSDEA, Cristian, ONET, Aurelia ONET**
   Rethinking the Green City: Oradea's Three-Pillar Model of Environmental Sustainability
7. **Johora Anni FATEMATUJ, Kundu Tuli SRABONTY**
   Social forestry practices and co-management approach at Kamalganj Upazila of Sylhet Division in Bangladesh
8. **Tilay Desta GEBIYAW, Seifu Assefa AMARE**
   Impact of the Invasive Alien Plant Geratum Conyzoides on Plant Community Diversity And Composition In Dara District, Sidama Region, Ethiopia
9. **Melaku GETACHEW**
   Spatiotemporal Dynamics Of Forest Fragmentation And Connectivity In The Chilmo Forest: A Machine Learning Approach Via Sepal and CCDC Algorithm

10. **Fatima GUENDOUZ, Brahim GUIT, Kouider HADJADJ**
    Dynamics And Evolution of Algerian Semi-Arid and Arid Ecosystems Within Aleppo Pine Formations : The Case of the Wilayas Of Saïda And Naâma
11. **Olufisayo IBITOYE, Olajumoke ALABI**
    Insecticidal Activities of Ethanol Extracts of Three Botanicals on Adult Kola Weevil and Their Chemical Compositions
12. **Carmen Violeta IANCU, Ioana Maria BORZA, Andra Nicoleta LAZAR, Manuel Alexandru GÎTEA, Iuliana Teodora VIDICAN, Mihai Marcel CĂRBUNAR, Mariana Florica BEI**
    Circular Valorization of Geothermal Water Through Treatment and Reuse for Irrigation
13. **Abigail John JIRIGI, IbrahimAbayomi KUTI, Felix Michael OGUCHE, Olaotan Abimbola ADEDIRAN, Garba James AMBAFI, John Jiya MUSA**
    Water-Efficient Irrigation Technologies and Vegetable Crop Productivity in Northern Nigeria: A Systematic Review
14. **Nandor KÖTELES, Ana Cornelia PEREŞ, Mariana URS, Nicoleta Mădălina CÎMPAN**
    Analysis of The Hydrological Regime and The Water Level–Discharge Relationship of the Crișul Alb River at the Chișineu-Criș Hydrometric Station in 2024
15. **Haoua SAIS AMROUNI, Fethallah RABAH**
    Economic Performance And Viability Of Continuous Olive Oil Mills: Field Evidence From Béjaïa, Algeria
16. **Leonard SSOZI**
    Appreciative Inquiry And The Co-Creation Of Sustainable Futures In Forest-Adjacent Communities
17. **Barnabas Oluwatomide OYEYINKA, Linda Ifeanyichukwu SOWUNMI, Paul Oluwatimilehin OGUNBAMOWO, BABALOLA Yetunde Oyinkansade, Emmanuel Ilerioluwa BUSAYO, Christianah Adeyinka ODEBUNMI**
    Biomechanistic Potentials of *Eibapentandra* L. Gaertn: Linkages From Experimental Profiling Of Secondary Metabolites In The Methanolic Leaf Extracts

18. **Iuliana Teodora VIDICAN, Andrada Iulia BUIBAȘ-IENCIU, Andra Nicoleta LAZĂR, Gabriela Argentina POPOVICIU, Mihai Marcel CĂRBUNAR, Carmen Violeta IANCU, Călin ARDELEAN**
The Influence of Monochrome Led Color on Assimilatory Pigments in In Vitro Cultures of *Opuntia fragilis* and *Echinopsis chamaecereus*
19. **Getaw YILMA, Eshete ABEJE, Hassen NUSRU**
Integrating Remote Sensing And Ecological–Ai Models For Aboveground Biomass Estimation In Forest Ecosystems

## *Section 4 FOOD SCIENCE AND TECHNOLOGY*

**Chairman: Ass. Prof. Adrian TIMAR, PhD**
**Moderators: Prof. habil. Anca BRATA, PhD**
**Ass. Prof. Anamaria MORNA, PhD**
**Ass. Prof. Mariana BEI, PhD**
**Ass. Prof. Adrian VUȘCAN, PhD**
**Secretaries: Ass. Prof. Ioana VLAD, PhD**
**Lect. Carmen IANCU, PhD**

*Friday, 06 November*

1. **Alina Grigorița ARDELEAN, Mariana URS**
Research on the Effect of Preservation by Freezing on the Quality Indicators of Bell Pepper Varieties Grown in Greenhouses
2. **Alina Grigorița ARDELEAN, Mariana URS**
Research on the Effect of Preservation by Freezing on the Quality Indicators of Fruits
3. **Corina BALDEA**
The Prevalence of E. Coli and Klebsiella in Urinary Tract Infections
4. **Corina BALDEA**
Antibiotic Resistance In Pathogenic Bacteria: Mechanisms, Epidemiology, and Clinical Impact
5. **Mariana Florica BEI, Cristina Maria MAERESCU, Cristian Gabriel DOMUȚA, Ioana Maria BORZA, Manuel Alexandru GITEA, Raluca POPOVICI, Carmen Violeta IANCU**
Integrated System for Optimizing Storage Conditions and Controlling The Nutritional Quality of Fruits and Vegetables, with an Impact on Enhancing Food Safety and Consumer Protection

6. **Mariana Florica BEI, Carmen Violeta IANCU, Ioana Maria BORZA, Gabriel Remus CHEREGI**
   Investigating the Behavioral Profile and Consumer Perception Regarding the Impact of Innovative Food Products on Health. Digital Innovation In University Education – A Psychosensory Laboratory in an XR Environment
7. **Anca Monica BRATA**
   The Romanian Labour Market in 2024: Employment, Unemployment and Earnings. Implications for the Food Industry
8. **Anca Monica BRATA**
   Short Food Supply Chains and The Marketing of Local Fruit Production in the Crișana Region
9. **Anca BECZE, Lucian DORDAI, Vanda Liliana BABALAU FUSS, Bianca Nicoleta SOCACIU**
   Sunflower-Derived Protein Ingredients for the Development of Nutritionally Enhanced Snack Bars
10. **Ioana Camelia CHEBELEU**
    Legal Aspects regarding the SAFETY GATE System
11. **Stefana Maria COZMA, Alina Claudia GROZE, Adrian Vasile TIMAR**
    A Study of Certain Properties Specifically, the Antioxidant Activity of Rosemary
12. **Cristian Rareș DAINA, Darius Casian NEGRĂU, Arianna Johanna OAIE, Oana Maria PERȚ, Monica Angelica DODU**
    Food Safety and Food Waste Reduction In Sustainable Foodservice: Challenges, Opportunities and Integrated Management Solutions
13. **Carmen Violeta IANCU, Mariana Florica BEI, Andra Nicoleta LAZĂR, Camelia Mihaela BARA, Lucian Vasile BARA, Ionel Marius OȘVAT, Eugen Traian JUDE, Laurențiu Bogdan BAN**
    Integration of Geothermal Energy Into Sustainable Technologies for the Agri-Food Industry
14. **Alex Cristian IONUȚ, Lilia NAGY, Otilia MICLE, Dana Carmen ZAHA**
    Quality Control in Microbiological Analysis Processes: A Comparative Evaluation of Manual and Automated Methods

**15. Anamaria Aurelia MORNA, Adriana Ramona Memete**
Integrating Extended Reality and Artificial Intelligence Into Gastronomy Education: Design and Comparative Analysis of Three EON-XR Applications for Promoting Romanian Culinary Heritage

**16. Raluca POPOVICI, Mariana Florica BEI, Eugen JUDE**
Escherichia Coli Urinary Tract Infection: Etiopathogenic, Clinical, Diagnostic, and Therapeutic Aspects

**17. Raluca POPOVICI, Mariana Florica BEI, Lucian BARA**
Frequency of Microorganisms Isolated from Urine Cultures in a Medical Analysis Laboratory

**18. Alexandra UNGUREANU**
Value Distribution in Agri-Food Chains: A Review of Farmers' Bargaining Power and Policy Responses

**19. Mariana URS, Alina Gligoriţa ARDELEAN**
Comparative Study on Drying Plums in an Electric Oven versus a Dehydrator