

MINISTRY OF EDUCATION
“AUREL VLAICU” UNIVERSITY OF ARAD
FACULTY OF FOOD ENGINEERING, TOURISM AND
ENVIRONMENTAL PROTECTION

310330 Arad, Str. Elena Drăgoi, Nr. 2-4, Arad

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PhD STUDENTS' DAYS

FACULTY OF FOOD ENGINEERING, TOURISM AND
ENVIRONMENTAL PROTECTION

PROGRAM

The Third Edition, May 29-30, 2023

ARAD, ROMANIA

PhD STUDENTS' DAYS

FACULTY OF FOOD ENGINEERING, TOURISM AND ENVIRONMENTAL PROTECTION “AUREL VLAICU” UNIVERSITY OF ARAD

The Third Edition, May 29-30, 2023

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PhD STUDENTS' DAYS

FACULTY OF FOOD ENGINEERING, TOURISM AND ENVIRONMENTAL PROTECTION “AUREL VLAICU” UNIVERSITY OF ARAD

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PROGRAM

LOCATION: "Aurel Vlaicu" University of Arad, building M, Faculty of Food Engineering, Tourism and Environmental Protection, Elena Drăgoi Str., no. 2-4, 134, Code 310 330, Arad.

Monday, 29 May, 2023

- 11.00-12.00 Registration**
- 12.00-18.00 Visit of the Institute of Technical and Natural Sciences Research-Development-Innovation of “Aurel Vlaicu” University of Arad**
- 19.00 Dinner at Restaurant Ratio (strandul Neptun, Arad)**

Zoom: Topic: Evenimente studentesti (for online)

Time: May 29, 2023 12:00 PM Athens, and May 30, 2023 12:00 PM Athens

Join Zoom Meeting

<https://zoom.us/j/93337085408?pwd=Uy8yK3VNa2hQdnIwL1ZaUGUvRDE2UT09>

Meeting ID: 933 3708 5408

Passcode: 080899

GENERAL THEMES

Environmental Science and Engineering

Environmental Protection

Biodiversity, Ecology, Plant Physiology

Health, Medicine, Pharmacy

Biology, Applied Biology, Biochemistry

Food Technology

Food Engineering

Food Chemistry, Nutrition

Food Quality and Food Security

Agrotourism Management

Sustainability, Bioeconomy

Tuesday, May 30, 2023

11.00-12.00 REGISTRATION OF THE PARTICIPANTS

12.00-12.20 WELCOME SPEECH / DESCHIDEREA OFICIALA A EVENIMENTULUI

Rector of „Aurel Vlaicu” University of Arad: Ramona Lile

Vicerector of „Aurel Vlaicu” University of Arad: Prof. Dr. Eng. Alexandru Popa,

Vicerector of „Aurel Vlaicu” University of Arad: Prof. Dr. Codruta Stoica

Dean of Faculty of Food Engineering, Tourism and Environmental Protection: Assoc. Prof. Dr. Eng. Virgiliu Ciutina

Director of Școala Doctorală Interdisciplinară (ȘDI) of „Aurel Vlaicu” University of Arad: Prof.dr.habil. Florentina Munteanu

Research responsible of Department of Technical and Natural Sciences: Prof. Dr. Habil. Dana Maria Copolovici

ORAL PRESENTATIONS

Chairman: Prof. dr. habil. Lucian Copolovici
Prof. dr. habil. Florentina Munteanu
Prof. dr. habil. Dorina Chambre
Prof. dr. habil. Simona Ioana Vicaș
Prof. dr. habil. Dana Copolovici

12.20-12.30 **URBAN AQUEOUS SYSTEM AS A HOTSPOT FOR WATER-ATMOSPHERE EXCHANGE OF CH₄**
OP 1 **Mustafa HMOUDAH¹*, Călin BACIU¹, Cristian POP¹**

¹Faculty of Environmental Science and Engineering, University of Babeș-Bolyai, Cluj-Napoca, Romania.

12.30-12.40 **DEGRADED SUNFLOWER OIL ADSORPTION ONTO NATURAL POLYMERS – BASED**
OP 2 **MATERIALS**

Irina Apostol, Adina Coroaba, Iuliana Spiridon

Petru Poni Institute of Macromolecular Chemistry Iasi, Iasi, Romania.

12.40-12.50 **TWO POTENTIAL MELLIFEROUS PLANTS: SANGUISORBA OFFICINALIS L. AND**
OP 3 **SANGUISORBA MINOR SCOP.**

Alexandra Cristina Tocai (Moțoc)¹, Simona Ioana Vicas²

¹Doctoral School of Biomedical Science, University of Oradea, Oradea, Romania; ²Department of Food Engineering, Faculty of Environmental Protection, University of Oradea, Oradea, Romania.

12.50-13.00 **A LONG-TERM MONITORING OF VOLATILE ORGANIC COMPOUNDS, PARTICULATE**
OP 4 **MATTER, CARBON DIOXIDE, AND FORMALDEHYDE IN A OFFICE BUILDING**

Andreea Maria Tepeneu (Popa), Lucian Copolovici

Aurel Vlaicu University, Faculty of Food Engineering, Tourism and Environmental Protection; Institute for Research, Development and Innovation in Technical and Natural Sciences, Arad, Romania.

13.00-13.10 **CELL-PENETRATING PEPTIDES: CURRENT APPLICATIONS AND FUTURE PERSPECTIVES**
OP 5 **Andreea GOSTĂVICEANU^{1,2}, Dana Maria COPOLOVICI¹**

¹„Aurel Vlaicu” University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection and Institute of Technical and Natural Sciences Research-Development-Innovation of “Aurel Vlaicu” University, Arad, Romania; ²University of Oradea, Biomedical Sciences Doctoral School, Oradea, Romania.

13.10-13.20 **SACCHARIFICATION OF STARCH EXTRACTED FROM FOREST SOURCES**
OP 6 **Eugen Dan Radu**, Vlad Mureșan, Teodora Coldea, Elena Mudura

Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Cluj-Napoca, Romania.

13.20-13.30 **LEVERS THAT ARE THE BASIS OF INCREASING ROMANIANS' AWARENESS OF THE RISK CAUSED BY PLASTIC, MICROPLASTIC/AGE, MASS MEDIA**

OP 7

Valeria POP^{1,2}, Alexandru OZUNU^{1,2,3}

¹ Doctoral School "International Relations and Security Studies", Babes-Bolyai University, Cluj-Napoca, Romania; ² Research Institute for Sustainability and Disaster Management Based on High Performance Computing, Faculty of Environmental Science and Engineering, Babes-Bolyai University, Cluj-Napoca, Romania; ³ Disaster Management Training and Education Centre for Africa (DiMTEC), University of the Free State, South Africa.

13.30-13.40 **HUMAN CEREBELLUM GANGLIOSIDES IN BRAIN DEVELOPMENT AND AGING: AN ION MOBILITY MASS SPECTROMETRY STUDY**

OP 8

Maria-Roxana Biricioiu^{a,b}, Mirela Sarbu^a, Raluca Ica^a, Alina D. Zamfir^{a,c}

^aNational Institute for Research and Development in Electrochemistry and Condensed Matter, Timisoara;

^bFaculty of Physics, West University of Timisoara; ^cDepartment of Technical and Natural Sciences, "Aurel Vlaicu" University of Arad

13.40-13.50 **THE EFFECT OF OLEOGELS ON THE STRUCTURAL CHARACTERISTICS OF TRADITIONAL ROMANIAN SAUSAGES**

OP 9

Anda Elena Tanislav, Vlad Mureşan, Dorin Ţibulcă, Elena Mudura

Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Cluj-Napoca, Romania.

13.50-14.00 **SOURCES AND APPLICATIONS OF ANTIMICROBIAL PEPTIDES**

OP 10

Ana-Maria Toloş^{1,2}, Cristian Moisa¹, Lucian Copolovici¹, Dana Copolovici¹

¹"Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection and Institute of Technical and Natural Sciences Research-Development-Innovation of "Aurel Vlaicu" University, Arad, Romania; ²University of Oradea, Biomedical Sciences Doctoral School, Oradea, Romania.

14.00-14.10 **CHEMICAL PROFILE AND BIOLOGICAL ACTIVITIES OF ROOT OIL FROM VETIVERIA ZIZANIODES (L.) NASH**

OP 11

David Andreea¹, Sonia Ancuta Socaci^{1,2}

¹ Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 3-5 Calea Manastur, Cluj-Napoca, 400372, Romania

² Institute of Life Sciences, University of Agricultural Sciences and Veterinary Medicine, Calea Mănăştur 3-5, 400372 Cluj-Napoca, Romania

14.10-14.20 **ECONOMIC METHODS APPLICABLE IN THE WASTE DISPOSAL OF DANGEROUS WASTE – ECONOMY CIRCULAR**

OP 12

Ciobanu Adela Dana¹, Alexandru Ozunu¹

Faculty of Environmental Science and Engineering, University of Babes-Bolyai, Cluj-Napoca, Romania

14.20-15.00 Lunch

POSTER PRESENTATION / PREZENTARE POSTERE

Chairman: Prof. dr. habil. Lucian Copolovici

Prof. dr. habil. Florentina Munteanu

Prof. dr. habil. Dorina Chambre

Prof. dr. habil. Simona Ioana Vicaș

Prof. dr. habil. Dana Copolovici

THE USE OF MOLECULAR MARKERS FOR DETECTION OF GENETIC DIVERSITY IN *SILPHIUM PERFOLIATUM* L.

PP1 Costea Marinela, Șumălan Radu
Faculty of Engineering and Applied Technologies, University of Life Sciences „King Mihai I., from Timisoara, Timisoara, Romania.

IMPROVING POLYPHENOL EXTRACTION IN RED WINEMAKING THROUGH THERMO-MACERATION TECHNIQUE

PP2 Bogdan Bocăneală, Gabriela Râpeanu, Nicoleta Stănciuc, Oana Emilia Constantin, Iuliana Aprodu
“Dunărea de Jos” University of Galați, Faculty of Food Science and Engineering, Galați, Romania.

SPECTROPHOTOMETRIC CHARACTERIZATION OF THE LIMESTONE'S “BLACK PATINA”

PP3 Lorena Aliana Cioban¹, Cristian Moisa², Mihaela Dochia², Claudia Mureșan³, Dorina Chambre³
¹Interdisciplinary Doctoral School of Aurel Vlaicu University, Arad, Romania; ²Research Development Innovation in Natural and Technical Sciences Institute, “Aurel Vlaicu” University, Arad, Romania; ³Faculty of Food Engineering, Tourism and Environmental Protection, “Aurel Vlaicu” University, Arad, Romania.

BIOLOGICALLY ACTIVE GOLD AND SILVER NANOPARTICLES FROM NATURAL RESOURCES

PP4 Cristina L. Popa^{1,2}, Cristian Moisa¹, Lucian Copolovici¹, Dana Copolovici¹
¹“Aurel Vlaicu” University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection and Institute of Technical and Natural Sciences Research-Development-Innovation of “Aurel Vlaicu” University, Arad, Romania; ²University of Oradea, Biomedical Sciences Doctoral School, Oradea, Romania.

USE OF SHEEP'S WOOL WASTE AS FILTERS HEAVY METALS' POLLUTED WATERS

PP5 Bianca-Denisa Chereji, Florentina-Daniela Munteanu
“Aurel Vlaicu” University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, Arad, Romania

17.15-17.30 AWARD CEREMONY / CEREMONIA DE PREMIERE
CLOSING REMARKS / CONCLUZII

Thursday, May 31, 2023

Tour visit of Arad city

The participants departure

We thank to our sponsors for the provided sponsorships for the best students' awards:



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NOTES

Abbreviations: OP = oral presentation, PP = poster presentation.