

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

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PhD STUDENTS' DAYS

FACULTY OF FOOD ENGINEERING, TOURISM AND
ENVIRONMENTAL PROTECTION

PROGRAM

The Second Edition, November 25-26, 2022

ARAD, ROMANIA

PhD STUDENTS' DAYS

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

The Second Edition, November 25, 2022

Chair of the Organizing Committee:

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Prof. Dr. Alexandru OZUNU, “Babes-Bolyai” University, Cluj-Napoca, Romania

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Senior Researcher Dr. Hab. Loredana SORAN, National Institute for Research and Development of Isotopic and Molecular Technologies, INCDTIM, Cluj-Napoca, Romania

Senior Researcher Elisabeta I. SZERB, “Coriolan Dragulescu” Institute of Chemistry, Timișoara, Romania

Prof. Dr. Radu ȘUMALAN, Banat University of Agricultural Sciences and Veterinary Medicine “King Mihai I of Romania”, Timișoara, Romania

Assoc. Prof./Docent Dr. Salme TIMMUSK, Uppsala BioCenter, SLU, Sweden

Prof. Dr. Hab. Simona Ioana VICAȘ, University of Oradea, Romania

PhD STUDENTS' DAYS

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

The Second Edition, November 25-26, 2022

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.

Zoom: Topic: PhD STUDENTS' DAYS

Time: Nov 25, 2022 10:00 AM Athens

Join Zoom Meeting

<https://us06web.zoom.us/j/85392702077?pwd=QXUrS05kNXZld24rT0FVUm5sWU1LQT09>

Meeting ID: 853 9270 2077

Passcode: FIATPM

Friday, November 25, 2022

- 9.00-10.00 Registration of the participants
Visit of the Institute of Technical and Natural Sciences Research-Development-Innovation of "Aurel Vlaicu" University of Arad**
- 10.00-10.20 WELCOME SPEECH / DESCHIDEREA OFICIALA A EVENIMENTULUI**
Rector of „Aurel Vlaicu” University of Arad: Dr. 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

SECTION I

Environmental Science and Engineering

Environmental Protection

Biodiversity, Ecology, Plant Physiology

Health, Medicine, Pharmacy

Biology, Applied Biology, Biochemistry

Chairman: Prof. dr. habil. Lucian Copolovici

Prof. dr. habil. Florentina Munteanu

Prof. dr. habil. Dorina Chambre

- 10.20-10.30 ESTIMATING METHANE EMISSIONS FROM DIFFERENT LAND-USE TYPES IN THE URBAN AREA
OP 1 Mustafa Hmoudah, Cristian Pop, Călin Baciu
Babeş-Bolyai University, Romania
- 10.30-10.40 THE VULNERABILITY OF LIMESTONE AND MARBLE FROM HERITAGE STRUCTURES TO THE
OP 2 ACTION OF ACID PRECIPITATION
Lorena Aliana Cioban, Dorina Rodica Chambre
Aurel Vlaicu University, Arad, Romania
- 10.40-10.50 REMOVAL OF ACID ORANGE 7 FROM AQUEOUS SOLUTION BY MAGNETIC
OP 3 NANOCOMPOSITE: OPTIMIZATION PROCESS STUDY
Maria Andreea Nistor, Simona Gabriela Muntean, Liliana Halip, Otilia Costişor
"Coriolan Dragulescu" Institute of Chemistry, Timișoara, Romania
- 10.50-11.00 ECHINACEA PURPUREA (L.) MOENCH - ANTIOXIDANT ACTIVITY
OP 4 Cristina Burlou-Nagy, Florin Banica, Monica Foghis, Annamaria Pallag
University of Oradea, Oradea, Romania
- 11.00-11.10 THE CAPACITY OF WOOL FIBRE TO ABSORB HEAVY METALS AND VALORIFICATION OF
OP 5 SHEEP WOOL THROUGH THIS
Bianca-Denisa CHEREJI, Florentina-Daniela MUNTEANU
"Aurel Vlaicu" University, Arad, Romania
- 11.10-11.20 ABIOTIC STRESS IN THE VITACEAE FAMILY – A REVIEW
OP 6 Simona Chişmore and Lucian Copolovici
"Aurel Vlaicu" University, Arad, Romania
- 11.20-11.30 STUDY OF PHOTOCATALYTIC DYE-DEGRADATION BY CU NANOPARTICLES BLEND
OP 7 Edison Paredes, David Wragg, Erwan Rauwel, Protima Rauwel
Estonian University of Life Sciences, Tartu, Estonia
University of Oslo, Oslo, Norway
- 11.30-11.40 THE COMPARISON BETWEEN IN-SITU MONITORING DATA AND MODELLED RESULTS OF
OP 8 PARTICULATE MATTER (PM10) FOR ENVIRONMENTAL RISK ASSESSMENT: STUDY CASE,
THE CLOSED MOLDOVA NOUĂ TAILINGS PONDS - ROMANIA
Irakunda Elisephane, Zoltán Török, Alexandru Ozunu
Babeş-Bolyai University
- 11.40-11.50 STUDY OF THE TIMIŞ-BEGA RIVER BASIN IN TERMS OF WATER QUALITY
OP 9 Florina Burescu, Florentina-Daniela Munteanu
"Aurel Vlaicu" University, Arad, Romania
- 12.00-12.30 Coffee break / Pauza de cafea**
- 12.30-12.40 COMPARATIVE STUDY OF THE POLLUTION SITUATION IN THE WATER BASINS OF MURES,
OP 10 OLT AND SIRET
Elena Violeta Monea (Blidar), Florentina-Daniela Munteanu
"Aurel Vlaicu" University, Arad, Romania

- 12.40-12.50 STUDIES ON THE ENVIRONMENTAL IMPACT OF SURFACE TREATMENT PROCESSES
OP 11 Norica Godja, Florentina-Daniela Munteanu
"Aurel Vlaicu" University, Arad, Romania
- 12.50-13.00 OPTICAL PROPERTIES OF BIOSYNTHEZED ZnO NANOPARTICLES USING THUJA TINTCURE
OP 12 Keshav Nagpal, Erwan Rauwel, Protima Rauwel
Estonian University of Life Sciences, Tartu, Estonia
- 13.10-13.20 CELL-PENETRATING PEPTIDES: MECHANISMS AND APPLICATIONS
OP 13 Ana-Maria Tolos, Dana Maria Copolovici
"Aurel Vlaicu" University of Arad, Romania;
University of Oradea, Romania
- 13.20-13.30 PEPTIDES APPLICATIONS IN BIOMEDICINE
OP 14 Andreea Gostăviceanu, Dana Maria Copolovici
University of Oradea, Oradea, România
"Aurel Vlaicu" University of Arad, România
- 13.30-13.40 APPLICATION OF CYTOSMART LUX3 BR MICROSCOPE FOR EVALUATION OF
OP 15 PROLIFERATION AND MIGRATION OF FIBROBLASTS
Adriana Ramona Memete¹, Simona Ioana Vicas
University of Oradea, Oradea, Romania
- 13.40-13.50 SOURCE-RELATED RISK ASSESSMENT FOR HEAVY METALS IN SOIL ON THE SITE OF A
OP 16 HYDROCARBON HEATING POWER PLANT
Ramona Carmen HĂRȚĂU, Florentina –Daniela MUNTEANU
"Aurel Vlaicu" University of Arad, Romania
- 13.50-14.00 A REVIEW OF THE PHYTOCHEMICAL COMPOSITION AND PHARMACOLOGICAL EFFECTS OF
OP 17 PLANTS OF THE GENUS *SANGUISORBA*
Alexandra Cristina Tocai (Moțoc), Simona Ioana Vicaș
University of Oradea, Romania
- 14.00-14.10 A LONG-TERM MONITORING OF VOLATILE ORGANIC COMPOUNDS, PARTICULATE MATTER,
OP 18 CARBON DIOXIDE, AND FORMALDEHYDE IN A GENERAL SHOP
Andreea Maria Tepeneu (Popa), Lucian Copolovici
Aurel Vlaicu University, Arad, Romania
- 14.10-14.20 STUDIES ON THE ANIMAL FOOD AND VEGETALWASTE PRODUCTION IN EUROPEAN
OP 19 COUNTRIES
Mirabela-Elena RAȚ (BOTICI), Florentina-Daniela MUNTEANU
Aurel Vlaicu University, Arad, Romania
- 14.10-15.10 LUNCH / PRANZUL**

SECTION II
Food Technology
Food Engineering
Food Chemistry, Nutrition
Food Quality and Food Security
Agrotourism Management
Sustainability, Bioeconomy

Chairman: Prof. dr. habil. Gabriela Râpeanu
Prof. dr. habil. Simona Ioana Vicaș
Prof. dr. habil. Dana Copolovici

- 15.10-15.20 DETERMINATION OF THE ANTIBIOTIC RESISTANCE PROFILE OF SOME ESCHERICHIA COLI
OP1 STRAINS ISOLATED FROM MEAT SAMPLES
Camelia-Ioana Ignătescu, Adriana Dalila Criste
University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania
- 15.20-15.30 EVOLUTION OF THE PHENOLIC COMPOUNDS BY MICROENCAPSULATION AND
OP2 NANOENCAPSULATION OF OLIVE LEAF EXTRACT IN BISCUITS DURING GASTROINTESTINAL
DIGESTION
Călina Ciont (Nagy), Oana Lelia Pop, Dan Cristian Vodnar
University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania
- 15.30-15.40 SUSTAINABLE NANOCARRIERS FOR EDIBLE MATERIALS DEVELOPMENT
OP3 Mihaela Ștefana PĂȘCUȚĂ (CANALIS) and Dan Cristian VODNAR
University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Cluj-Napoca, Romania
- 15.40-15.50 OPTIMIZATION OF THE METHOD OF FORMING NANO-EMULSIONS AND THEIR
OP4 CHARACTERIZATION
Mădălina Lorena MEDELEANU, Anca Corina FĂRÇAȘ, Loredana LEOPOLD, Cristina COMAN, Sonia
Ancuța SOCACI
University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania
- 15.50-16.00 PRELIMINARY RESULTS ON THE RECOVERY OF COENZYME Q10 FROM VEGETABLE AND
OP5 ANIMAL WASTE
Andersina Simina Podar, Cristina Anamaria Semeniuc, Floricuța Ranga, Maria-Ioana Socaciu, Melinda
Fogarasi, Anca Corina Fărcaș, Dan Cristian Vodnar, Simona Raluca Ionescu, Sonia Ancuța Socaci
University of Agricultural Sciences and Veterinary Medicine from Cluj-Napoca, Cluj-Napoca, Romania
Centre for Technology Transfer-BioTech, Cluj-Napoca, Romania
- 16.00-16.10 GOLD NANOPARTICLES SYNTHESIS FROM LAVENDER BIOMASS AS A SUSTAINABLE
OP6 RESOURCE
Cristina POPA, Cristian MOISA, Andreea I. LUPITU, Dorina CHAMBRE, Lucian COPOLOVICI, Dana
Maria COPOLOVICI
University of Oradea, Oradea, Romania
“Aurel Vlaicu” University of Arad, Arad, Romania

POSTER PRESENTATION / PREZENTARE POSTERE
16.10-17.00

- PP1 BIOECONOMICAL VALORIZATION OF EGGPLANT PEEL ANTHOCYANINS AND WHEY
PROTEINS
Nina Nicoleta Condurache (Lazăr), Gabriela Râpeanu
Dunarea de Jos University of Galati, Romania
- PP2 SUSTAINABLE USE OF ONION SKINS FOR THE DEVELOPMENT OF INNOVATIVE FUNCTIONAL
INGREDIENTS
Ștefania-Adelina Milea, Nicoleta Stănciuc
Dunarea de Jos University of Galati, Romania

- PP3 THE INFLUENCE OF DIFFERENT PARAMETERS DURING THE MACERATION OF FETEASCA NEAGRA VAR. GRAPES
Bocăneală Bogdan, Gabriela Râpeanu, Oana Emilia Constantin, Nicoleta Stănciuc, Iuliana Aprodu
Dunarea de Jos University of Galati, Romania
- PP4 THE INFLUENCE OF THE MACERATION TEMPERATURE ON THE QUALITY OF WHITE WINES (ȘARBA VARIETY)
Mihaela Manuela Hozoc (Nedelcu), Gabriela Rapeanu, Nicoleta Stanciuc, Georgiana Horincar, Iuliana Aprodu, Gabriela Elena Bahrim
Dunarea de Jos University of Galati, Romania
- PP5 HERITAGE BUILDINGS PRESERVATION- THE CASE OF BRASOV MEDIEVAL CITY, ROMANIA
Alexandru Bogdan, Lucian Copolovici
“Aurel Vlaicu” University, Arad, Romania
- PP6 GLYCOLIPIDS BIOMARKERS DISCOVERY OF HUMAN TEMPORAL LOBE EPILEPSY BY HIGH-RESOLUTION TANDEM MASS SPECTROMETRY
Raluca Ica, Mirela Sarbu, Svjetlana Kalanj-Bognar, Alina D. Zamfir
Department of Condensed Matter, National Institute for Research and Development in Electrochemistry and Condensed Matter, Timisoara, Romania;
West University of Timisoara, Timisoara, Romania;
Zagreb University, Croatia
“Aurel Vlaicu” University of Arad, Arad, Romania
- PP7 POLYMORPHISMS IN VDR, CYP2R1, GC GENES AND VITAMIN D DEFICIENCY
Carmina Mariana Stroia, Maria Vranceanu, Annamaria Pallag
University of Oradea; Oradea, Romania
“Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca, Romania
- PP8 STUDY OF THE ROLE OF POLYMORPHISMS IN VDR, CYP2R1 AND GC GENES IN THE RESPONSE OF VITAMIN D SUPPLEMENTATION
Carmina Mariana Stroia, Maria Vranceanu, Annamaria Pallag
University of Oradea; Oradea, Romania
“Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca, Romania
- PP9 THE INVOLVMENT AND ATTITUDE OF ROMANIAS IN PRO-ENVIROMENTAL ACTIVITIES RELATED TO THE RISK OF MICROPLASTIC PARTICLES
Valeria POP, Malina Petrescu-Mag, Dacina Crina Petrescu, Alexandru Ozunu
“Babes-Bolyai” University, Cluj-Napoca, Romania
- PP10 PRETREATMENTS OF CEREAL BRAN TO INCREASE THE CONCENTRATION OF BIOACTIVE COMPOUNDS
Silvia Amalia NEMES, Lavinia Florina CĂLINOIU, Anca Corina FARCAȘ, Francisc Vasile DULF and Dan Cristian VODNAR
University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania
- PP11 STABILITY OF PHENOLIC COMPOUNDS EXTRACTED FROM APPLE POMACE DURING TYPICAL FOOD PROCESSING
Diana Plamada, Miriam Arlt, Daniel Güberbock, Robert Sevenich, Clemens Kanzler, , Helena Kieserling, Sascha Rohn, Dan C. Vodnar
University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania,
Technische Universität Berlin, Berlin, Germany,
Technische Universität Berlin, Berlin, Germany

17.00-17.30 AWARD CEREMONY / CEREMONIA DE PREMIERE
CLOSING REMARKS / CONCLUZII

19.00 Dinner

Saturday, November 26, 2022

9.30- Students Hostel, Ursului Str., Nr.2-4 Arad,

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

Trip to Parcul Natural Lunca Muresului (aprox. 3-4 hours)

We thank the Project ERASMUS+, 2019-3-TR01-KA205-080177-”Green Thinking Entrepreneur Youth” for the provided sponsorships for the best students' awards!

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NOTES

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