

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 First Edition, November 26, 2021

ARAD, ROMANIA

PhD STUDENTS' DAYS

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

The First Edition, November 26, 2021

PROGRAM

LOCATION: on-line

Topic: PhD Students' Days UAV Arad

Time: Nov 26, 2021 03:00 PM Athens

Join Zoom Meeting

<https://us02web.zoom.us/j/88151918981?pwd=N0xZSWU1SIVSVkNKcG1ncjB3V2R6UT09>

Meeting ID: 881 5191 8981

Passcode: FIATPM

Friday, November 26 2021

15.00-15.20 WELCOME SPEECH / DESCHIDEREA OFICIALA A EVENIMENTULUI

Rector of „Aurel Vlaicu” University of Arad: Prof. Dr. Ec. Eng. 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 Department of Technical and Natural Sciences: Assoc. Prof. Dr. Eng. Monica Lungu

Research responsible of Department of Technical and Natural Sciences: Prof. Dr. Habil. Dana 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. Steffen Manfred Noe

15.20-15.30 SILICA/POLYELECTROLYTE SORBENTS FOR THE REMOVAL OF ORGANIC POLLUTANTS

OP 1

Larisa-Maria PETRILA¹, Florin BUCĂTARIU^{1,2}, Marcela MIHAI^{1,2}

¹ Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

² Gh. Asachi Technical University of Iasi, Iasi, Romania

- 15.30-15.40 **STUDIAREA OBEZITATII, DIABETULUI SI A SINDROMULUI METABOLIC PE MODELELE DE**
OP 2 **PESTE ZEBRA**
Luca Iuliana Simona, Alin Stelian Ciobică
Alexandru Ioan Cuza University, Iasi, Romania
- 15.40-15.50 **THE INFLUENCE OF AIR POLLUTANTS ON HISTORICAL BUILDINGS**
OP 3
Alexandru Bogdan, Lucian Copolovici
Aurel Vlaicu University, Arad, Romania
- 15.50-16.00 **THE VOLATILE ORGANIC COMPOUNDS PROFILE, PARTICULATE MATTER AND CARBON**
OP 4 **DIOXIDE ANALYSED FROM A LOCAL DEPARTMENT STORE**
Andreea Țepeneu, Lucian Copolovici
Aurel Vlaicu University, Arad, Romania
- 16.00-16.10 **SCALING REDUCTIONS IN PHOTOSYNTHESIS WITH THE SEVERITY OF CROWN RUST**
OP 5 **FUNGUS INFECTION**
Hassan Y. Sulaiman, Eve Runno-Paurson, Eve Kaurilind, Ülo Niinemets
Estonian University of Life Sciences, Tartu, Estonia
- 16.10-16.20 **A SYNTHETIC LYSOZYME-DERIVED PEPTIDE: INTERACTION WITH COPPER IONS AND**
OP 6 **SELF-ASSEMBLING STUDIES**
Stefania-Claudia Jitaru¹, Cosmin Stefan Mocanu¹, Robert-Vasile Gradinaru¹, Brindusa-Alina Petre^{1,2}, Iuliana Stoica³, Gabi Drochioiu¹
¹ *Alexandru Ioan Cuza University, Iasi, Romania*
² *TRANSCEND-Regional Institute of Oncology, Iasi, Romania.*
³ *Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*
- 16.20-16.30 **SWEROSIDE SUSTAINS MEMORY FUNCTION BY DECREASING BRAIN OXIDATIVE STRESS**
OP 7 **IN SCOPOLAMINE-INDUCED ZEBRAFISH (*DANIO RERIO*) MODEL**
Ion Brînza, Omayma Eldahshan, Lucian Hritcu
¹ *Alexandru Ioan Cuza University, Iasi, Romania*
² *Ain Shams University, Cairo, Egypt*
- 16.30-16.40 **MANAGEMENTUL DEȘEURILOR PLASTICE. BIODEGRADAREA POLIMERILOR PLASTICI.**
OP 8
Oprîș Natalia Simona (căs. Dinea-Oprîș), Florentina-Daniela Munteanu
Aurel Vlaicu University, Arad, Romania
- 16.40-16.50 **METODE DE DIMINUARE A IMPACTULUI DEȘEURILOR SOLIDE ASUPRA MEDIULUI.**
OP 9 **IMPACTUL TOALETELOR MOBILE ASUPRA MEDIULUI**
Florentina Bud (căs. Audî), Florentina-Daniela Munteanu
Universitatea Aurel Vlaicu, Arad, România
- 16.50-17.00 **PHYTOSTABILIZATION OF MINE TAILING AT NORTHEASTERN OUTSKIRTS OF STEBNYK**
OP 10 **REGION: THE ROLE OF PLANT-SOIL-MICROBE INTERACTIONS AND EXTREMOPHILIC**
MICROBIAL ABILITY TO DECONTAMINATE POLLUTION
Fetsiukh, A¹, Timmusk, S²
¹ *Ivan Franko National University of Lviv, Lviv, Ukraine*
² *Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden*
- 17.00-17.10 **THE ROLE OF BIOCHAR IN THE MANAGEMENT OF SOIL FERTILIZATION, RESPECTIVELY**
OP 11 **ADSORPTION FOR IMPROVING SOIL QUALITY IN AGRICULTURAL FARMS**
Mirabela-Elena Raț, Florentina-Daniela Munteanu
Aurel Vlaicu University, Arad, Romania
- 17.10-17.20 **ASSESSMENT OF THE RELATIONSHIP BETWEEN THE SOIL CHARACTERISTICS AND THE**
OP 12 **QUALITY INDICATORS OF GROUNDWATER AND DISCHARGED WASTEWATER FROM THE**
SITE OF THE HYDROCARBON HEATING POWER PLANT “S.C. CET HIDROCARBURI S.A.
ARAD”

Ramona Carmen Hărțău, Florentina –Daniela Munteanu
Aurel Vlaicu University, Arad, Romania

17.20-17.30 **SURFACE WATER QUALITY INDICATORS**
OP 13 Elena Violeta Monea (Blidar), Florentina-Daniela Munteanu
Aurel Vlaicu University, Arad, Romania

POSTER PRESENTATION / PREZENTARE POSTERE
17.30-17.50

PP1 **THE EFFECTS OF THE FUNGICIDE TEBUCONAZOLE ON THE ACTIVITY OF SEVERAL ENZYMES FOUND IN SOIL: PRELIMINARY RESULTS**
Diana Larisa Roman, Denisa Ioana Voiculescu, Marioara Nicoleta Filimon, Vasile Ostafe, Adriana Isvoran
West University, Timisoara, Romania

PP2 **THE SHEEP WOOL WASTE A HUGE IMPACT ON THE ENVIRONMENT**
Bianca-Denisa Chereji, Florentina-Daniela Munteanu
Aurel Vlaicu University, Arad, Romania

PP3 **BIOCHAR: PREPARATION AND CHARACTERIZATION**
Mariana Bocșa¹, Maria – Loredana Soran^{1,2}
¹ *Aurel Vlaicu University, Arad, Romani*
² *National Institute for Research and Development of Isotopic and Molecular Technologies, Cluj-Napoca, Romania*

PP4 **THE INFLUENCE OF ANTIPYRETIC DRUGS ON PLANTS PHOTOSYNTHETIC PARAMETERS AND SECONDARY METABOLITES**
Monica Tășchină, Lucian Copolovici
Aurel Vlaicu University, Arad, Romania

PP5 **CELL-PENETRATING PEPTIDES IN DIAGNOSIS AND TREATMENT OF HUMAN DISEASES: FROM PRECLINICAL RESEARCH TO CLINICAL APPLICATION**
Ana-Maria Tolos¹, Dana Maria Copolovici²
¹ *University of Oradea, Oradea, Romania*
² *Aurel Vlaicu University, Arad, Romania*

SECTION II

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

Chairman: Prof. dr. habil. Dana Copolovici
Prof. dr. habil. Simona Ioana Vicaș
Prof. dr. habil. Florentina Matei

17.50-18.00 **ANTIOXIDANT PROPERTIES AND THERAPEUTIC POTENTIAL OF EDIBLE *ARTEMISIA***
OP1 ***ABSINTHIUM L.***
Maria-Evelina Bordean¹, Georgiana S. Marțiș, Anamaria Pop, Rodica Ungur², Monica Bordea², Sevastița Muste¹
¹ *University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania*
² *Iuliu-Hațieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania*

18.00-18.10 **CHEMICAL AND BIOCHEMICAL CHARACTERIZATION OF HYDROLATES AND ESSENTIAL OILS OBTAINED FROM LAVENDER, THYME, AND OREGANO**
OP2 Cristina Laura Popa¹, Andreea Lupitu², Maria Daniela Mot¹, Lucian Copolovici², Cristian Moisa², Dana Maria Copolovici²
¹ *University of Oradea, Oradea, Romania*

² Aurel Vlaicu University, Arad, Romania

18.10-18.20 **RECENT RESEARCH FOR COENZYME Q10 FROM FOOD MATRICES. SUPPLEMENTATION
OP3 IN AGING AND DISEASES**

Andersina-S. Podar¹, Cristina-A. Semeniuc¹, Maria-I. Socaciu¹, Melinda Fogarasi¹, Anca-C. Fărcaș¹, Sonia-A. Socaci¹

¹University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania

POSTER PRESENTATION / PREZENTARE POSTERE

18.20-18.35

PP1 **ENCAPSULATION OF ANTHOCYANINS RICH EXTRACT FROM RED ONION SKIN WITH
DIFFERENT CARRIER AGENTS**

Florina Stoica, Nicoleta Stănciuc, Iuliana Aprodu, Gabriela Elena Bahrim, Gabriela Râpeanu

Dunărea de Jos University, Galati, Romania

PP2 **COLOUR DIFFERENTIATION OF THE RED WINES FERMENTED WITH DIFFERENT
SELECTED YEASTS STRAINS**

Elena Iosip (Dragomir), Gabriela Rapeanu, Gabriela Elena Bahrim, Nicoleta Stanciuc, Oana Constantin, Iuliana Aprodu

Dunărea de Jos University, Galati, Romania

PP3 **EFFICIENCY OF ICTHYOCOLLE CLARIFYER IN THE PRODUCTION OF WHITE WINES
(ȘARBA VARIETY)**

Mihaela Manuela Hozoc (Nedelcu), Gabriela Rapeanu, Nicoleta Stanciuc, Georgiana Horincar, Iuliana Aprodu, Gabriela Elena Bahrim

Dunărea de Jos University, Galati, Romania

PP4 **STABILITY OF MAYONNAISE ENRICHED WITH RED BEETROOT PEELS POWDER**

Silvia Lazăr (Mistrieanu), Horincar Georgiana, Andronoiu Doina Georgeta, Stănciuc Nicoleta, Constantin Oana Emilia, Râpeanu Gabriela

Dunărea de Jos University, Galati, Romania

18.35-19.00 AWARD CEREMONY / CEREMONIA DE PREMIERE

CLOSING REMARKS / CONCLUZII

We thank Hydroflex Group GmbH for the provided sponsorships for the best students' awards!



NOTES

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