

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

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**STUDENT SCIENTIFIC SESSION**  
**FACULTY OF FOOD ENGINEERING, TOURISM AND**  
**ENVIRONMENTAL PROTECTION**

**PROGRAM**

**XIX<sup>th</sup> Edition, November 25-26, 2021**

# STUDENT SCIENTIFIC SESSION

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

**XIX<sup>th</sup> Edition, November 25-26, 2021**

### PROGRAM

#### **LOCATION: on-line**

Topic: Student Scientific Session UAV Arad

Time: Nov 25, 2021 03:15 PM Athens

Join Zoom Meeting

<https://us02web.zoom.us/j/81412990872?pwd=NSStT2Q1Q0ZzemZOQ0FWWkwrRTJNZz0>

[9](#)

Meeting ID: 814 1299 0872

Passcode: FIATPM

#### **Thursday, November 25, 2021 / Joi, 25 Noiembrie 2021**

#### **15.15-15.30 WELCOME SPEECH / DESCHIDERA 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

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

Ioan Calinovici

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**  
**Health**  
**Applied Biology**

**Chairman: Prof. dr. habil. Lucian Copolovici**  
**Prof. dr. habil. Florentina Munteanu**  
**Prof. dr. habil. Dorina Chambre**  
**Dr. Elisabeta I. Szerb**

- 15.30-15.40 **BRIGGS-RAUSCHER OSCILLATING REACTION WITH MINIMAL ENVIRONMENTAL**  
OP 1 **IMPACT**  
Dan Milas<sup>1,2</sup>, Daniela Dascălu<sup>1,2</sup>  
<sup>1</sup>*West University of Timișoara, Timișoara, România*  
<sup>2</sup>*Laboratory of Advanced Researches in Environmental Protection, Timișoara, România*
- 15.40-15.50 **EFFECTUL DE SERĂ ANTROPIC - SITUAȚIE DE URGENȚĂ PRIVIND CLIMA**  
OP 2   
Daniela – Corina Grama, Simona Condurache – Bota  
*Universitatea „Dunărea de Jos” din Galați, Romania*
- 15.50-16.00 **EVALUAREA POLUANȚILOR EMISIDETERMINATI IN STATIA DE EPURARE ARAD**  
OP 3   
Ohentar Orlando, Dana Maria Copolovici  
*Universitatea Aurel Vlaicu din Arad, Romania*
- 16.00-16.10 **MOSQUITO REPELLENT: ULTRASONIC DIFFUSER VERSUS CLASSIC CANDLE DIFFUSER**  
OP 4   
Flavia Borteș, Lucian Copolovici  
*“Aurel Vlaicu” University of Arad, Romania*
- 16.10-16.20 **SELENIUM STATUS IN PATIENTS AFFECTED BY COVID-19**  
OP 5   
Alexandra-Maria Tășală<sup>1,2</sup>, Laura Pitulice<sup>1,2</sup>, Otilia Bizerea-Spiridon<sup>1,2</sup>  
<sup>1</sup>*West University of Timișoara, Timișoara, România*  
<sup>2</sup>*Laboratory of Advanced Researches in Environmental Protection*
- 16.20-16.30 **INTRATUMOUR HETEROGENEITY AND ITS SIGNIFICANCE FOR CANCER TREATMENTS**  
OP 6   
Alexandra Dudău, Ioana Rusu  
*Babeș-Bolyai University, Cluj-Napoca, Romania*
- 16.30-16.40 **SQUARE-WAVE VOLTAMMETRY TECHNIQUE FOR SENSITIVE AND FAST DETECTION OF**  
OP 7 **DOXORUBICIN FROM AQUEOUS SOLUTIONS**  
Bianca Badescu<sup>1</sup>, Elisabeta I. Szerb<sup>1</sup>, Florica Manea<sup>2</sup>, Sorina Ilieș (b.Moțoc)<sup>1</sup>  
<sup>1</sup>*“Coriolan Dragulescu” Institute of Chemistry, Romanian Academy, Timisoara, Romania*  
<sup>2</sup>*Politehnica University of Timisoara*
- 16.40-16.50 **MEDICINAL ATTRIBUTES OF SAMBUCUS**  
OP 8   
Neli Pantea<sup>1</sup>, Crina C. Mureșan<sup>1</sup>, Georgiana S. Martiș<sup>1</sup>, Romina M. Marc (Vlaic)<sup>1</sup>, Ungur Rodica<sup>2</sup>, Bordea  
Monica<sup>2</sup> and Sevastița Muste<sup>1</sup>  
<sup>1</sup>*University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, Romania;*  
<sup>2</sup>*“Iuliu-Hațieganu” University of Medicine and Pharmacy*

**SECTION II**  
**Food Technology**  
**Food Engineering**  
**Nutrition**  
**Food Quality and Food Security**  
**Agrotourism Management**  
**Sustainability**

**Chairman: Prof. dr. habil. Dana Copolovici**  
**Conf.dr.ing Dana Radu**  
**Conf.dr.ing. Claudiu Ursachi**  
**S.L. dr, ing. Claudia Muresan**

- 16.50-17.00 SECTION PRESENTATION / PREZENTAREA SECTIUNII
- 17.00-17.10 **CERCETĂRI PRIVIND UTILIZAREA DE COAGUL VEGETAL PENTRU OBTINEREA DE**  
OP1 **BRÂNZĂ DIN LAPTE DE VACĂ**  
Constantin Alexandru Aldea, Florentina Matei  
*USAMV București, Romania*
- 17.10-17.20 **ENERGIA VERDE – IDEE SUSTENABILĂ DE VIITOR**  
OP2 Mihail-Alexandru Stanescu, Liviu Mihail Mateescu  
*Universitatea Politehnica Bucuresti, Romania*
- 17.20-17.30 **SEA BUCKTHORN – FOOD WITH BENEFICIAL EFFECTS ON HEALTH**  
OP3 Daciana Cuc, Denisa Sarca, Mureșan Claudia  
*“Aurel Vlaicu” University of Arad, Romania*
- 17.30-17.40 **INFLUENCE OF BEE PRODUCTS ADDITION TO A ROSA CANINA L. BASED FERMENTED**  
OP4 **BEVERAGE**  
Alexandra Costina Avîrvarei, Elena MUDURA, Teodora COLDEA  
*USAMV Cluj Napoca, Romania*
- 17.40-17.50 **VALORIFICAREA UNOR PRODUSE DE ORIGINE VEGETALĂ ÎN PREPARATE DIN CARNE**  
OP5 **REFORMULATE**  
Ionela Marinela Rotar, Claudiu Ursachi  
*Universitatea “Aurel Vlaicu” din Arad, Romania*
- 17.50-18.00 **DEZVOLTAREA ȘI TESTAREA UNUI COLORANT NATURAL DESTINAT PRODUSELOR**  
OP6 **ALIMENTARE**  
Rotaru Mihail, Anca Fărcaș, Sonia Socaci, Maria Tofană  
*Universitatea de Științe Agricole și Medicină Veterinară din Cluj-Napoca*
- 18.00-18.10 **O ABORDARE CHEMOMETRICĂ ÎN EVALUAREA EFICIENȚEI DE EXTRACȚIE A**  
OP7 **POLIFENOLILOR DIN DOUĂ SPECII DE CIUPERCI DE CĂTRE PATRU EXTRACTANȚI DIFERIȚI**  
Maria-Jenica Urs, Cristina Anamaria Semeniuc  
*Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca, Romania*
- 18.10-18.20 **HEAT RESISTANT BACTERIAL SPORES FROM SOIL**  
OP8 Laurentiu Urucu<sup>1</sup>, Izabela Vulpe<sup>1</sup>, Dana Gina Radu<sup>1\*</sup>  
*“Aurel Vlaicu” University of Arad, Romania*
- 18.20-18.30 **CHANGES IN SENSORY ANALYSIS OF EXOGENOUS ENZYMES DURING BREAD-MAKING**  
OP9 Alexandra Iulia Oltean<sup>1</sup>, Crina C. Mureșan<sup>1</sup>, Georgiana S. Martiș<sup>1</sup>, Romina M. Marc (Vlaic)<sup>1</sup>  
*University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca*
- 18.30-18.40 **Physico-Chemical Properties of functional jelly herbs**  
OP10 Georgiana A. Spaller, Teodora Mureșan, Crina C. Mureșan, Georgiana S. Martiș, Romina M. Marc (Vlaic)  
*University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca*

**POSTER PRESENTATION / PREZENTARE POSTERE  
18.40-19.00**

- PP1 **DETERMINATION OF POLYPHENOLS AND VOLATILE COMPOUNDS IN HONEY**  
Andrada Vlad, Lucian Copolovici  
*Aurel Vlaicu University of Arad, Romania*
- PP2 **INFLUENCE OF ORGANIC FERTILIZERS ON PLANTS**  
Lorena Sirban, Lucian Copolovici  
*Aurel Vlaicu University of Arad, Romania*
- PP3 **TOBACCO ?! CIGARETTES vs HEATED TABACCO PRODUCTS**  
Denisa Peteleu , Flavia Bortes, Cristian Moisa, Dana Maria Copolovici, Lucian Copolovici, Andreea I. Lupitu  
*Aurel Vlaicu University of Arad, Romania*
- PP4 **THE DETERMINATION OF FATTY ACIDS CONTENT IN MILK**  
Ana Vărădean, Lucian Copolovici  
*Aurel Vlaicu University of Arad, Romania*
- PP5 **PARTICULATE MATTER IN URBAN AREAS**  
Chifor Maria Natalia, Dana Maria Copolovici  
*Aurel Vlaicu University of Arad, Romania*
- PP6 **DETERMINATION OF AIR QUALITY IN THE CITY ARAD**  
Adriana Iacob, Dana M. Copolovici  
*Aurel Vlaicu University of Arad, Romania*
- PP7 **FATTY ACIDS COMPOSITION OF CHICKEN LIVER PATE FROM ROMANIAN MARKET**  
Bileana Lepoiev, Lucian Copolovici  
*Aurel Vlaicu University of Arad, Romania*
- 19.00-19.20 AWARD CEREMONY / CEREMONIA DE PREMIERE  
CLOSING REMARKS / CONCLUZII**

**Friday, November 26 2021**

**You are all welcome to assist at PhD Students' Days.**

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>

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