MINISTRY OF EDUCATION AND RESEARCH

"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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STUDENT SCIENTIFIC SESSION

FACULTY OF FOOD ENGINEERING, TOURISM AND ENVIRONMENTAL PROTECTION

PROGRAM

The XXIVth Edition, November 9-11, 2026

ARAD, ROMANIA

STUDENT SCIENTIFIC SESSION

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

The XXIVth Edition, November 9-11, 2026

SESIUNEA DE COMUNICĂRI ȘTIINȚIFICE STUDENȚEȘTI - Ediția a XXIV-a

The Organizing Committee / Comitetul de organizare:

Prof. Dr. Habil. Dana Maria COPOLOVICI

Prof. Dr. Habil. Lucian COPOLOVICI

Assoc. Prof. Dr. Eng. Virgiliu CIUTINĂ

Scientific Committee / Comitetul Științific:

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Prof. Dr. Habil. Eng. Eugenia ȚIGAN

Assoc. Prof. Dr. Eng. Claudiu URSACHI

Prof. Dr. Habil. Alina Diana ZAMFIR

PROGRAM

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

Online

Microsoft Teams meeting

Join: https://teams.microsoft.com/meet/367047031726604?p=PtSTZSbbZ48GJE4Eip

Meeting ID: 367 047 031 726 604

Passcode: H3TJ77N8

Monday, November 9, 2026 / Luni 9 Noiembrie 2026

08.30 – 09.00 Registration of the participants / Înregistrarea participanților

WELCOME SPEECH / DESCHIDEREA OFICIALĂ A EVENIMENTULUI

9.00-9.30 Rector of „Aurel Vlaicu" University of Arad: Dr. Habil. Ramona LILE

Vice-Rector of „Aurel Vlaicu" University of Arad: Prof. Dr. Codruța Simona STOICA

Vice-Rector of „Aurel Vlaicu" University of Arad: Prof. Dr. Alexandru POPA

Vice-Rector of „Aurel Vlaicu" University of Arad: Lecturer. Dr. Eng. Roxana Mihaela BABANATIS-MERCE

Director of the Council for Doctoral Studies: Prof. Dr. Habil. Florentina MUNTEANU

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

Event coordinator: Prof. Dr. Habil. Dana Maria COPOLOVICI

SECTION PRESENTATION / PREZENTAREA SECTIUNII

Chairman: Prof. Dr. Habil. Dana Maria COPOLOVICI

Prof. Dr. Habil. Dorina Rodica CHAMBRE

Assist. Prof. Dr. Simona GAVRILAS

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

09.30-09.40 OP 1

POMEGRANATE WINE – OBTAINING PROCESS, CHEMICAL PROFILE AND INVESTIGATION OF A SCALE-UP PROCESS

Roxana-Andreea Băloiu, Alexandra-Mihaela Bădulescu, Ana-Maria Brezoiu

National University of Science and Technology POLITEHNICA BUCHAREST, Faculty of Chemical Engineering and Biotechnology, 1-7 Gh. Polizu Street, district 1, Bucharest, Romania.

09.40-09.50 OP 2

DEVELOPMENT OF AN INNOVATIVE PROBIOTIC BEVERAGE USING BUFFALO MILK AND WHEY

Roșca Alexandru Darius, Radu Dana Gina

"Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, 2-4 Elena Drăgoi Street, 310330, Arad, Romania

09.50-10.00 OP 3

METABOLIC AND PHYSIOLOGICAL OUTCOMES OF KOMBUCHA CONSUMPTION: FOCUS ON SHORT-CHAIN FATTY ACIDS AND GLYCEMIC CONTROL

Brigitta-Andrea Toman, Dana Gina Radu

„Aurel Vlaicu" University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, Str. Elena Drăgoi, nr. 2-4, 310330 Arad, România.

SECTION I
Environmental Engineering and
Environmental Science
Environmental Protection
Biodiversity
Health
Applied Biology

10.00-10.10 OP 4

THE IMPACT OF PESTICIDE APPLICATION ON *CAPSICUM* SPECIES ASSESSED THROUGH BIOCHEMICAL INDICATORS

Alexandra Rusu, Elena Todirașcu-Ciornea, Gabriela Dumitru

Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania

10.10-10.20 OP 5

BIOCHEMICAL CHARACTERIZATION OF *MANGIFERA INDICA* L. AND *DIOSPYROS KAKI* BASED ON VITAMIN C AND SUGAR CONTENT

Bianca Iftinchi, Elena Todirașcu-Ciornea, Gabriela Dumitru

Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania

10.20-10.30 OP 6

INCLUSION OF INSECT LARVA MEAL AS AN ALTERNATIVE PROTEIN SOURCE IN CARP (*CYPRINUS CARPIO*): EFFECTS ON GROWTH PERFORMANCE AND ANTIOXIDANT STATUS

Lavinia Rusu[1], Elena Todirașcu-Ciornea[1], Cristian-Alin Barbacariu[2], Marian Burducea[2], Gabriela Dumitru[1]

[1]*Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania*

[2]*Research and Development Station for Aquaculture and Aquatic Ecology, "Alexandru Ioan Cuza" University, Iasi-Ciurea, Romania*

10.30-10.40 OP 7

BIOCHEMICAL AND IMMUNOLOGICAL INVESTIGATIONS IN THE CONTEXT OF DERMATOLOGICAL DISORDERS – A RETROSPECTIVE ANALYSIS

Valentina Bianca Pavăl, Elena Todirașcu-Ciornea, Gabriela Dumitru

Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania

10.40-10.50 OP 8

PERNICIOUS ANEMIA: PATHOPHYSIOLOGICAL ASPECTS AND EVALUATION THROUGH LABORATORY INVESTIGATIONS

Răzvan Emilian Tăbultoc, Elena Todirașcu-Ciornea*, Gabriela Dumitru

Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania

10.50-11.00 OP 9

LABORATORY FINDINGS IN CANINE BABESIOSIS: HEMATOLOGICAL AND BIOCHEMICAL ALTERATIONS

Melania-Andreea Patrașc, Gabriela Dumitru*, Elena Todirascu-Ciornea

Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania

11.00-11.30 COFFEE BREAK

11.30-11.40 OP 10

EVALUATION OF THE HEMATOLOGICAL AND BIOCHEMICAL PROFILE IN A GROUP OF PATIENTS WITH MEGALOBLASTIC ANEMIA

Alexandra-Anamaria Miron, Gabriela Dumitru*, Elena Todirașcu-Ciornea

Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania

11.40-11.50 OP11

NOOTROPIC AND ANTIOXIDANT EFFECTS OF *MENTHA PIPERITA* L. ESSENTIAL OIL IN AN EXPERIMENTAL MODEL OF COGNITIVE DECLINE

Raluca-Nicoleta Olteanu, Gabriela Dumitru*, Elena-Todirașcu Ciornea

Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania

11.50-12.00 OP12

CLINICAL AND PATHOPHYSIOLOGICAL ASPECTS OF PSEUDOMEMBRANOUS COLITIS

Denisa-Iuliana Moisi[1], Gabriela Dumitru[1*], Silvia Dumitrașcu[2], Elena Todirașcu-Ciornea[1]

[1] *Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania*

[2] *Comprehensive School No. 1 Ramnicelu, Principal Street, 12750, Buzau County, Romania*

12.00-12.10 OP13

TIME-DEPENDENT UV–VIS SPECTRAL CHANGES OF BRILLIANT GREEN IN CONTACT WITH A Ni(II)–CEPPA–PIPERAZINE MATERIAL

Vlad Chiriac*, Maria-Ştefania Mureşanu*, Maria Loredana Cozmenenciuc, Diana Anghel

Department of Chemistry, Faculty of Chemistry, Biology, Geography, West University Timisoara, 16 Pestalozzi Street, 300115 Timisoara, Romania.

12.10-12.20 OP14

MODULAREA RĂSPUNSURILOR NEUROCOMPORTAMENTALE INDUSE DE $ALCL_3$ LA MELCUL GIGANT AFRICAN (ACHATINA FULICA) PRIN SUPLIMENTAREA DIETEI CU CREATINĂ MONOHIDRAT

Ploae Ionel-Gabriel[1], Tăușan Ioan[1], Brînza Ion[1,2]

[1] Departamentul de Ştiinţe ale Mediului, Centrul de Cercetare în Biologie şi Ecologie, Facultatea de Ştiinţe, Universitatea ,,Lucian Blaga" din Sibiu, Strada Dr. Ion Raţiu Nr. 5-7, 550012 Sibiu, România

[2]Academia Oamenilor de Ştiinţă din România (AOSR), 030167 Bucureşti, România

12.20-12.30 OP15

MOLECULAR MECHANISMS OF IRREVERSIBLE ENZYME INHIBITION AND THEIR IMPLICATIONS IN CHEMICAL TOXICOLOGY

Irina Prescura, Elena Todirașcu-Ciornea, Gabriela Dumitru

Faculty of Biology, "Alexandru Ioan Cuza" University, Carol I, 20A, 700505 Iasi, Romania

12.30-12.40 OP16

LYOPHILIZED POMEGRANATE JUICE AND ITS NEUROPROTECTIVE EFFECTS AGAINST ALUMINIUM-INDUCED NEUROTOXICITY IN *LISSACHATINA FULICA*

Husarciuc Teodora Iuliana[1], Hritcu Lucian[2], Carradori Simone[3], Brînza Ion[1,4]

[1]Department of Environmental Sciences, ,,Lucian Blaga" University of Sibiu, Romania

[2]Department of Biology, Alexandru Ioan Cuza University of Iaşi, Romania

[3]*Department of Pharmacy, „G. d'Annunzio" University of Chieti-Pescara, Italy*
[4]*Academy of Romanian Scientists (AOSR), Bucharest, Romania*

EFECTELE EXTRACTELOR DE *CHLORELLA VULGARIS* ASUPRA COMPORTAMENTULUI COGNITIV LA *DANIO RERIO*

Şerban Bianca-Andreea[1], Simona Oancea[2], Lucian Hriţcu[3], Lucia-Florina Popovici[2], Ion Brînza[1]
12.40-12.50 OP17
[1] Facultatea de Ştiinţe, Universitatea „Lucian Blaga" din Sibiu, Str. Dr. Ion Raţiu nr. 5–7, Sibiu, România
[2] Departamentul de Ştiinţe Agricole şi Inginerie Alimentară, Universitatea „Lucian Blaga" din Sibiu, Sibiu, România
[3] Facultatea de Biologie, Universitatea „Alexandru Ioan Cuza" din Iaşi, Iaşi, România

LIPOPROTEIN(a) AND CARDIOVASCULAR RISK: CLINICAL AND BIOCHEMICAL FINDINGS IN A STUDY POPULATION

Kucuk Aleyna[1], Galina Sorici[2], Victoria Rotaru[3], Lucia-Florina Popovici[4], Ion Brînza[1]
12.50-13.00 OP18
[1] Faculty of Sciences, "Lucian Blaga" University of Sibiu, Sibiu, Romania
[2] "Nicolae Testemiţanu" State University of Medicine and Pharmacy, Chişinău, R. of Moldova
[3] Invitro Diagnostics, Chişinău, Republic of Moldova
[4] Department of Agricultural Sciences and Food Engineering, "Lucian Blaga" University of Sibiu, Sibiu, Romania

13.00-14.00 LUNCH BREAK

ALUMINUM–LEAD CO-EXPOSURE MODELS COGNITIVE DECLINE IN ZEBRAFISH

Rusu Andrei-Samuel[1], Popovici Lucia-Florina[2,3], Oancea Simona[2], Brînza Ion[1,3]
14.00-14.10 OP19
[1] Environmental Sciences, Faculty of Sciences, "ULBS", 550012 Sibiu, Romania
[2] Agricultural Sciences and Food Engineering, "ULBS", 550024 Sibiu, Romania
[3] Romanian Academy of Scientists (AOSR), 030167 Bucharest, Romania

EFECTELE ADMINISTRĂRII CRONICE A EXTRACTULUI DE RHUS TYPHINA ASUPRA COMPORTAMENTULUI EMOŢIONAL ŞI PROFILULUI ADMET LA DANIO RERIO EXPUS NEUROTOXICITĂŢII INDUSE DE METALE GRELE

Monica Smeu[1,2], Simona Oancea[3], Ion Brînza[2], Lucian Hriţcu[4]
14.10-14.20 OP20
[1] Facultatea de Biologie, Universitatea din Bucureşti, Bucureşti, România;
[2] Facultatea de Ştiinţe, Universitatea „Lucian Blaga" din Sibiu, Sibiu, România;
[3] Departamentul de Ştiinţe Agricole şi Inginerie Alimentară, Universitatea „Lucian Blaga" din Sibiu, Sibiu, România;
[4] Facultatea de Biologie, Universitatea „Alexandru Ioan Cuza" din Iaşi, Iaşi, România.

IMPACT OF HEAT AND WATER STRESS ON PHOTOSYNTHETIC ACTIVITY IN *TRIFOLIUM PRATENSE*

14.20-14.30 OP21
Anna-Eniko Albert, Cosmin Faur, Florina-Maria Copaciu, Andrea Bunea
Faculty of Animal Science and Biotechnology, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania

NEUROPROTECTIVE POTENTIAL OF *RHUS TYPHINA* EXTRACT AGAINST CHEMICALLY INDUCED COGNITIVE DECLINE IN *DANIO RERIO*

Aftinici Octavian-Constantin[1], Popovici Lucia-Florina[1], Oancea Simona[2], Brînză Ion[1]
14.30-14.40 OP22
[1] Faculty of Sciences, "Lucian Blaga" University of Sibiu, 7–9 Dr. Ion Raţiu Street, 550024 Sibiu, Romania
[2] Department of Agricultural Sciences and Food Engineering, "Lucian Blaga" University of Sibiu, 7–9 Dr. Ion Raţiu Street, 550024 Sibiu, Romania

EFECTELE ACIDULUI CAFEIC ASOCIAT CU SUPLIMENTAREA CU CALCIU ASUPRA RĂSPUNSULUI COMPORTAMENTAL ŞI MORFOLOGIC LA ACHATINA FULICA PRETRATATĂ CU $AlCl_3$

14.40-14.50 OP23
Lescaie Mariana-Denisa[1], Brînză Ion[1], Hriţcu Lucian[2]
[1] Facultatea de Ştiinţe, Universitatea „Lucian Blaga" din Sibiu, Str. Dr. Ion Raţiu nr. 5–7, Sibiu, România
[2] Facultatea de Biologie, Universitatea „Alexandru Ioan Cuza" din Iaşi, Bd. Carol I nr. 20A, Iaşi, România

EFECTELE EXTRACTULUI DE *PUNICA GRANATUM L.* ASUPRA MODIFICĂRILOR COGNITIVE ȘI COMPORTAMENTALE INDUSE DE ALUMINIU ȘI PLUMB LA *DANIO RERIO*

14.50-15.00 OP24

Nicoară Alexandru-Ionuț[1], Hritcu Lucian[3], Carradori Simone[4], Popovici Lucia[5], Brînza Ion[2]
[1] Facultatea de Științe, Universitatea „Lucian Blaga" din Sibiu, România
[2] Department of Environmental Sciences, Biology and Ecology Research Center, Faculty of Sciences, „Lucian Blaga" University of Sibiu, Romania
[3] Department of Biology, Alexandru Ioan Cuza University of Iași, Romania
[4] Department of Pharmacy, „G. d'Annunzio" University of Chieti-Pescara, Italy
[5] Department of Agricultural Sciences and Food Engineering, „Lucian Blaga" University of Sibiu, Romania

EXPANSIUNEA CRABULUI ALBASTRU (*CALLINECTES SAPIDUS*) ÎN MAREA NEAGRĂ ȘI ZONA DELTAICĂ: MONITORIZARE ȘI RISCURI ECOLOGICE

15.00-15.10 OP25

Eftenie Daniel-Alexandru, Suciu Ana-Maria, Varvara Simona, Damian Gianina
Universitatea „1 Decembrie 1918" din Alba Iulia, Facultatea de Informatică și Inginerie

EVALUATION of ADSORPTIVE PROPERTIES of MIL-53

15.10-15.20 OP26

Gabriela C. Roşianu, A. C. Stănicel, M. Boşomoiu, M. Deaconu, C. Matei, D. Berger
Faculty of Chemical Engineering and Biotechnologies, National University of Science and Technology Politehnica Bucharest, 1-7 Polizu Street, 011061 Bucharest, Romania

COMPARATIVE NEUROPROTECTIVE EFFECTS OF *SOLANUM MACROCARPON* LEAF EXTRACTS IN A ZEBRAFISH MODEL OF SCOPOLAMINE-INDUCED COGNITIVE IMPAIRMENT

15.20-15.30 OP27

Guliev Corina[1], Oresanya Ibukun Oluwabukola[2], Orhan Ilkay Erdogan[2,3], Gök Hasya Nazlı[2], Boiangiu Razvan Stefan[4], Hrițcu Lucian[4], Brînza Ion[1,3]
[1]Faculty of Sciences, Lucian Blaga University of Sibiu, Sibiu, Romania
[2]Department of Pharmacognosy, Faculty of Pharmacy, Gazi University, Ankara, Türkiye
[3]Department of Pharmacognosy, Faculty of Pharmacy, Lokman Hekim University, Ankara, Türkiye
[4]Department of Biology, Faculty of Biology, Alexandru Ioan Cuza University of Iași, Iași, Romania
[5]Romanian Academy of Scientists (AOSR), 030167 Bucharest, Romania

15.30-16.00 COFFEE BREAK

16.00-16.30 POSTER PRESENTATION / PREZENTARE POSTERE

BIOCATALIZA FUNGICĂ PENTRU ÎNDEPĂRTAREA POLUANȚILOR EMERGENȚI: DE LA REZIDUURI FARMACEUTICE LA MICROPLASTICE

PP1

Diana Anghel
Institutul Național de Cercetare – Dezvoltare pentru Ecologie Industrială ECOIND București, Drumul Podu Damboviței nr. 57-73, Sector 6, cod 6ostal 060652, București, Romania

THE EFFECTS OF CO2 ON SECONDARY METABOLITES PRODUCTION IN MICROGREENS

PP2

Adina-Alina Căpățînă, Andreea Lupitu *, Cristian Moisă, Lucian Copolovici
Faculty of Food Engineering, Tourism and Environmental Protection, "Aurel Vlaicu" University of Arad Institute of Interdisciplinary Research, "Aurel Vlaicu" University of Arad 2 Elena Dragoi St, 310330 Arad, Romania.

ASSESSMENT OF THE CONSUMPTION OF ENERGY DRINKS MIXED WITH ALCOHOL AND THE ASSOCIATED RISKS

PP3

Alexandru Gancea, Ana-Maria Gancea, Sergiu Erich Palcu, Claudia Mureșan
"Aurel Vlaicu"University of Arad, Faculty of Food Engineering, Tourism and Environmental Protection, 2-4 Elena Drăgoi St., Arad, 310330

ASPECTE DE INOCUITATE ȘI SIGURANȚĂ ALIMENTARĂ PENTRU JAMBON

PP4

Popovici Elian, Radu Dana Gina
Universitatea „Aurel Vlaicu" din Arad, Facultatea de Inginerie Alimentară, Turism și Protecția Mediului (FIATPM), Str. Elena Drăgoi nr. 2-4, Arad

PP5 **ASSESSMENT OF AIR QUALITY AND ENVIRONMENTAL NOISE IN FOOTBALL STADIUMS**
Sergiu Galuți, Lucian Copolovici, Dana-Maria Copolovici
Faculty of Food Engineering, Tourism, and Environmental Protection, „Aurel Vlaicu" University of Arad, Romania, Elena Dragoi Str. Nr. 2, Arad 310330, Romania

PP6 **USING ARTIFICIAL INTELLIGENCE MODELS TO IMPROVE THE EXTRACTION OF BIOACTIVE COMPOUNDS FROM PLANT MATERIALS**
Bodea Dacian[1], Moisa Cristian[2], Lucian Copolovici[1,2], Dana-Maria Copolovici[1]
[1]Faculty of Food Engineering, Tourism, and Environmental Protection, "Aurel Vlaicu" University of Arad, Romania, Elena Dragoi Str. Nr. 2, Arad 310330, Romania
[2]Institute of Interdisciplinary Research, "Aurel Vlaicu" University of Arad 2 Elena Dragoi St, 310330 Arad, Romania

16.30-17.00 NETWORKING

Tuesday, November 10, 2026 / Marti 10 Noiembrie 2026

12.30 Awards Ceremony – Room 134

13.00 Lunch

Wednesday, November 11, 2026 / Miercuri 11 Noiembrie 2026

The participants departure

We thank our sponsor for sponsoring the best students' awards!

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R.N.P. Romsilva RA - Mureș Meadow Nature Park Administration

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