

**MINISTRY OF EDUCATION AND RESEARCH
“AUREL VLAICU” UNIVERSITY OF ARAD
INTERDISCIPLINARY DOCTORAL SCHOOL**

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

Tel/fax: 0040-257-280070, <http://www.uav.ro>



PHD STUDENTS' DAYS

PROGRAM

The Vth Edition, May 22-24, 2025

ARAD, ROMANIA

PHD STUDENTS' DAYS

INTERDISCIPLINARY DOCTORAL SCHOOL “AUREL VLAICU” UNIVERSITY OF ARAD

The Vth Edition, May 22-24, 2025

The Organizing Committee:

Chair: Prof. Dr. Habil. Lucian COPOLOVICI

Prof. Dr. Habil. Dana COPOLOVICI

Senior Researcher Dr. Andreea LUPITU

Senior Researcher Dr. Cristian MOISA

Ph. D. Student Flavia BORTEȘ

Scientific Committee:

Prof. Dr. Habil. Simona BUNGĂU, University of Oradea, Romania

Prof. Dr. Eng. Habil. Dorina Rodica CHAMBRE, “Aurel Vlaicu” University of Arad,
Romania

Senior Researcher Dr. Habil. Alin CIOBICA, “Alexandru Ioan Cuza” University, Iași,
Romania

Prof. Dr. Habil. Dana Maria COPOLOVICI, “Aurel Vlaicu” University of Arad,
Romania

Prof. Dr. Habil. Lucian COPOLOVICI, “Aurel Vlaicu” University of Arad, Romania

Prof. Dr. Habil. Diana CUPȘA, University of Oradea, Romania

Prof. Dr. Habil. Florentina MATEI, Transilvania University Brașov, Romania

Prof. Dr. Habil. Florentina Daniela MUNTEANU, “Aurel Vlaicu” University of Arad,
Romania

Acad. Prof. Dr. Ülo NIINEMETS, Estonian University of Life Sciences, Estonia

Prof. Dr. Steffen Manfred NOE, Estonian University of Life Sciences, Estonia

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

Prof. Dr. Adrian RIVIȘ, University of Life Sciences “King Mihai I of Romania”,
Timișoara, Romania

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

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

Prof. Dr. Radu ȘUMALAN, University of Life Sciences “King Mihai I of Romania”,
Timișoara, Romania

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

Prof. Dr. Habil. Simona Ioana VICAS, University of Oradea, Romania

PROGRAM

LOCATION: "Aurel Vlaicu" University of Arad, building M, F, Elena Drăgoi Str., no. 2-4, A1 Room, Code 310330, Arad.

Zoom

Lucian Copolovici is inviting you to a scheduled Zoom meeting.

Topic: PhD Students Day

Time: May 23, 2025 09:00 AM Athens

Join Zoom Meeting

<https://us05web.zoom.us/j/3089208383?pwd=K2Uxc2h3QU1oQWl4V21yR2t3TTNCQT09&omn=89961130722>

Meeting ID: 308 920 8383

Passcode: FIATPM

Thursday, May 22, 2025 / Joi 22 Mai 2025

12.00-13.00 Registration of the participants

13.00-14.00 Lunch

14.00-14.30 Visit the Faculty of Food Engineering, Tourism and Environmental Protection of "Aurel Vlaicu" University of Arad

14.30-15.30 Visit the Research Center in Technical and Natural Sciences, Interdisciplinary Research Institute of "Aurel Vlaicu" University of Arad

16.00-17.00 Visit the Research Center for Sustainable Bio-Eco-Economy, Interdisciplinary Research Institute of "Aurel Vlaicu" University of Arad

19.00 DINNER AT RESTAURANT RATIO (STRANDUL NEPTUN, ARAD)

Friday, May 23, 2025 / Vineri 23 Mai 2025

8.30 – 9.00 Registration of the participants

WELCOME SPEECH / DESCHIDEREA OFICIALĂ A EVENIMENTULUI

9.00-9.30 Rector of „Aurel Vlaicu” University of Arad: Assoc. Prof. dr. Teodor Cilan

Vicerector of „Aurel Vlaicu” University of Arad: Prof. dr. habil. Dana Copolovici

Vicerector of „Aurel Vlaicu” University of Arad: Assoc. Prof. dr. Cristina Nicolaescu

Vicerector of „Aurel Vlaicu” University of Arad: Prof. dr. Sevastian Liviu Bocîi

Vicerector of „Aurel Vlaicu” University of Arad: Prof. dr. habil. Ovidiu Florin Toderici

Director of Council for Doctoral University Studies: Prof. dr. habil. Florentina Munteanu

Director of Interdisciplinary Doctoral School: Prof. dr. habil. Florica Bodiştean

SECTION PRESENTATION / PREZENTAREA SECTIUNII

Chairman: Prof.dr.habil. Lucian Copolovici

Prof.dr.habil. Florentina Munteanu

Prof. dr. habil. Dorina Chambre

SECTION I

Environmental Engineering and

Environmental Science

Environmental Protection

Biodiversity

Health

Applied Biology

TOTAL CONTENT OF POLYPHENOLS AND FLAVONOIDS IN LYOPHILIZED EXTRACTS OF *GALIUM VERUM* AND *GALIUM APARINE*

9.30-9.40
OP 1 Angelica Ohindovschi¹, Mihaela Nartea¹, Lucian Copolovici², Dana Maria Copolovici², Andreea Lupitu², Cristian Moisa², Flavia Bortes², Maria Cojocaru-Toma¹

¹Department of Pharmacognosy and Pharmaceutical Botany, Nicolae Testemitanu State University of Medicine and Pharmacy, Chisinau, Republic of Moldova; ²Institute for Interdisciplinary Research, Aurel Vlaicu University of Arad, Romania

QUANTITATIVE DETERMINATION OF CAROTENOIDS IN SPECIES OF THE GENUS *HELICHRYSUM*

9.40-9.50
OP 2 Mihaela Nartea¹, Angelica Ohindovschi¹, Lucian Copolovici², Dana Maria Copolovici², Andreea Lupitu², Cristian Moisa², Flavia Bortes², Maria Cojocaru-Toma¹

¹Department of Pharmacognosy and Pharmaceutical Botany, Nicolae Testemitanu State University of Medicine and Pharmacy, Chisinau, Republic of Moldova; ²Institute for Interdisciplinary Research, Aurel Vlaicu University of Arad, Romania

EVALUAREA POTENȚIALULUI ANTIINFLAMATOR AL UNOR COMPUȘI NATURALI BIOACTIVI ÎN INFECȚII CUTANATE CRONICE

9.50-10.00
OP 3 Valentina-Alexandra Bădăluță¹, Adrian Ionașcu¹, Mara M. Mihai², Lia-Mara Dițu¹, Eliza Oprea¹, Alina M. Holban¹, Veronica Lazăr¹

¹Școala Doctorală de Biologie, Univ. din București, România, ²Univ. de Medicină și Farmacie Carol Davila, București, România

PLANT GROWTH-PROMOTION BACTERIA (PGPB) AS SUSTAINABLE REMEDY TO IMPROVE PHOTOSYNTHESIS UNDER WATER STRESS IN TOMATO AND HEMP

10.00-10.10
OP 4 Christian Lorenz¹, Giulia Atzori², Aida Raio², Francesca Alderotti², Cecilia Brunetti^{2,3}, Matthew Haworth², Valentina Lazazzara², Giovanni Marino², Felicia Menicucci², Valeria Palchetti^{2,3}, Carmen Arena^{1,4} and Mauro Centritto²

¹Department of Biology, University of Naples Federico II, Via Cinthia 21, 80126 Naples, Italy; ²Institute for Sustainable Plant Protection (IPSP), National Research Council of Italy (CNR), Via Madonna del Piano 10, 50019 Sesto Fiorentino, Italy; ³Department of Agriculture, Food, Environment and Forestry (DAGRI), University of Florence, Via delle Idee 30, 50019 Sesto Fiorentino, Italy; ⁴NBFC-National Biodiversity Future Center, 90133 Palermo, Italy;

FOLIAR APPLICATION OF COMMERCIAL WOOD DISTILLATES ON STRAWBERRY PLANTS AND THEIR EFFECT AS ROOT BIOSTIMULANTS

10.10-10.20
OP 5 Valeria Palchetti^{1,2}, Francesca Alderotti², Ermes Lo Piccolo¹, Cassandra Detti¹, Sara Beltrami¹, Andrea Carolina Baptista Ruiz², Valentina Lazazzara², Felicia Menicucci², Mauro Centritto², Francesco Ferrini^{1,2}, Antonella Gori^{1,2}, Vincenzo Montesano³, Maddalena Grieco³, Cecilia Brunetti^{1,2}

¹Department of Agriculture, Food, Environment and Forestry (DAGRI), University of Florence, Viale delle idee 30, 50019 Sesto Fiorentino, Florence, Italy, ²Institute for Sustainable Plant Protection (IPSP), National Research Council, Via Madonna del Piano, 10, 50019 Sesto Fiorentino, Italy, ³Institute for Sustainable Plant Protection (IPSP), National Research Council, URT of Metaponto (MT)

STUDY OF CURCUMIN LOADED ASPASOMES USING CONVENTIONAL AND MICROFLUIDIC METHODS

10.20-10.30
OP 6 Elena-Christen Creangă¹, Eugen Chiriac², Alexia-Ioana Radu³, Cătălin Mărculescu², Raluca Stan¹

¹Faculty of Chemical Engineering and Biotechnology, National University of Science and Technology Politehnica Bucharest, Str. Gheorghe POLIZU, nr. 1-7, sector 1, 011061, Bucharest, ²National Institute for

Research and Development in Microtechnologies – IMT Bucharest, 126A Erou Iancu Nicolae, 077190, Voluntari, Ilfov, Romania,³Faculty of Medical Engineering, National University of Science and Technology Politehnica Bucharest, Str. Gheorghe POLIZU, nr. 1-7, sector 1, 011061 Bucharest

STUDIUL EFECTULUI MODULATOR LA NIVEL CELULAR ȘI MOLECULAR AL CURCUMINEI ASUPRA LINIEI SK-OV-3 DE CARCINOM OVARIAN UMAN

10.30-10.40
OP 7 Diana Antonia Costea^{1*}, Camelia Mia Hotnog², Marinela Bostan², Mirela Mihailă², Lorelei Irina Brașoveanu², Veronica Lazăr¹

¹Școala Doctorală de Biologie, Universitatea din București, România, ²Centrul de Imunologie, Institutul de Virusologie „Ștefan S. Nicolau” al Academiei Române, București, România

EFFECT OF SEWAGE SLUDGE APPLICATION ON THE PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF *Cichorium intybus* GROWN IN AMENDED SOIL

10.40-10.50
OP 8 Cărăbaș Snejana Denisa, Lucian Copolovici
Interdisciplinary School of Doctoral Studies, “Aurel Vlaicu” University, Romania, 2 Elena Drăgoi, Arad 310330, Romania

PROTECTED NATURAL AREAS

10.50-11.00
OP 9 Fulviu-Olimpiu MOGA and Lucian Copolovici
Interdisciplinary School of Doctoral Studies, “Aurel Vlaicu” University, Romania, Elena Drăgoi str., no. 2 – 4, Arad 310330, Romania

11.00-11.30 COFFEE BREAK

ENVIRONMENTALLY FRIENDLY SOLUTIONS AS POTENTIAL ALTERNATIVES TO CHROMIUM-BASED ANODIZATION AND CHROMATE SEALING FOR AERONAUTIC APPLICATIONS

11.30-11.40
OP 10 Norica Godja^{1,2,3}, Florentina-Daniela Munteanu^{1,2}
¹Faculty of Food Engineering, Tourism and Environmental Protection, “Aurel Vlaicu” University of Arad, Romania, ²Interdisciplinary School of Doctoral Studies, “Aurel Vlaicu” University of Arad, ³Bionanotec, Surface Technology & Sensors, Austria

GRAPHENE-OXIDE PEPTIDE-CONTAINING MATERIALS FOR BIOMEDICAL APPLICATIONS

11.40-11.50
OP 11 Andreea Gostaviceanu^{1,2}, Simona Gavrilă^{1,3}, Lucian Copolovici^{1,3}, Dana Maria Copolovici^{1,3}
¹Institute for Interdisciplinary Research, Aurel Vlaicu University of Arad, Elena Drăgoi St., No. 2, 310330 Arad, Romania, ²Biomedical Sciences Doctoral School, University of Oradea, University St., No. 1, 410087 Oradea, Romania, ³Faculty of Food Engineering, Tourism and Environmental Protection, Aurel Vlaicu University of Arad, Elena Drăgoi St., No. 2, 310330 Arad, Romania

ANIMAL WASTE: SOURCES AND ENVIRONMENTAL IMPACT

11.50-12.00
OP 12 Andreea Ailoea^{1,2}, Florentina Daniela Munteanu^{1,2}
¹Interdisciplinary Doctoral School, “Aurel Vlaicu” University of Arad, Romania; ²Faculty of Food Engineering, Tourism and Environmental Protection, “Aurel Vlaicu” University of Arad, Romania, a

ADAPTIVE RESPONSES OF *RAPHANUS SATIVUS* TO SIMULTANEOUS INCREASES IN CO₂ AND DROUGHT STRESS

12.00-12.10
OP 13 Flavia Bortes¹, Andreea Lupitu² Cristian Moisa², Dana Copolovici², Lucian Copolovici^{1,2}
¹Interdisciplinary Doctoral School of “Aurel Vlaicu” University of Arad, ²Institute of Interdisciplinary Research, “Aurel Vlaicu” University of Arad, Romania, 2 Elena Dragoi Street, 310330, Romania

TEXTILE WASTE MANAGEMENT: PRESENT AND FUTURE

12.10-12.20
OP 14 Diana Mariana Frățean^{1,2}, Florentina Daniela Munteanu^{1,2}
¹Interdisciplinary Doctoral School, “Aurel Vlaicu” University of Arad, Romania, ²Faculty of Food Engineering, Tourism and Environmental Protection, “Aurel Vlaicu” University of Arad, Romania

12.30-14.00 Lunch

Chairman: Prof. dr. habil. Oana Brînzan

Prof. dr. habil. Eugenia Tigan

Prof. dr. habil. Dana Copolovici

SECTION II

Food Technology

Food Engineering

Food Chemistry, Nutrition

Food Quality and Food Safety

Agrotourism Management

Sustainability

PRELIMINARY STUDY ON THE DEVELOPMENT OF WAFFLE CONES FORMULATED WITH POWDER FROM ROSEHIP WASTE

14.00-14.10 Alexandra Raluca Borşa (Bogdan), Adriana Păucean, Melinda Fogarasi, Andrei Borşa and Cristina Anamaria
OP 15 Semeniu

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

EVALUATION OF PHYSICAL-MECHANICAL PROPERTIES AND ANTIBACTERIAL POTENTIAL OF CHITOSAN-GELATIN EDIBLE FILMS ENHANCED WITH SALVIA OFFICINALIS SUPERCRITICAL CO₂ EXTRACT

14.10-14.20 Iliu Mărtiri, Leontina Grigore-Gurgu, Liliana Mihalcea, Loredana Dumitraşcu, Gabriela Râpeanu, Nicoleta
OP 16 Stănciuc

“Dunărea de Jos” University of Galaţi, Faculty of Food Science and Engineering, 111 Domnească Street, RO-80020, Galaţi, Romania. “Dunărea de Jos” University of Galaţi, Faculty of Food Science and Engineering, 111 Domnească Street, RO-80020, Galaţi, Romania.

AGROTOURISM IN ROMANIA: CASE STUDY OF POPASUL IANCULUI GUESTHOUSE, APUSENI MOUNTAINS

14.20-14.30 Alexandru Nicolăiţă^{1*}, Miruna-Maura Trocan², and Gabriel Croitoru³
OP 17

^{1,2,3}Faculty of Economic Sciences, “Aurel Vlaicu” University of Arad, Romania

PHYTOCHEMICAL AND PHYSICAL STABILITY OF NATURAL COLORANTS IN FUNCTIONAL CHEESECAKE DEVELOPMENT

14.30-14.40 Călina Ciont, Oana Lelia Pop, Dan Cristian Vodnar
OP 18

University of Agricultural Sciences and Veterinary Medicine, 400372, Calea Manastur 3-5, Cluj-Napoca, Country Romania

POSTERS PRESENTATION / PREZENTARE POSTERE

INVESTIGATING THE LINK BETWEEN PSYCHOBOTICS AND MENTAL HEALTH IN PUBLIC AWARENESS

PP1 Ana-Maria Coccan and Dan Cristian Vodnar

Department of Food Science, University of Agricultural Sciences and Veterinary Medicine, 400372, Cluj-Napoca, Romania

MAGNESIUM INTERNALIZATION BY LACTOBACILLUS RHAMNOSUS: TOWARD NUTRIBIOTIC APPLICATIONS

PP2 Rodica-Anita Varvara and Dan Cristian Vodnar^{1*}

Department of Food Science, University of Agricultural Sciences and Veterinary Medicine, 400372, Cluj-Napoca, Romania

MODERN “IN VITRO” MULTIPLICATION TECHNIQUES IN *SILPHIUM PERFOLIATUM* L.

PP3 Costea Marinela, Borza (Pârjol) Mariana, Radu Şumălan

The King Michael I University of Life Sciences, Timisoara, Romania

STUDIES ON THE ANTIOXIDANT POTENTIAL EXTRACTS OF SOME *ASTERACEAE* SPECIES

PP4 Borza (Pârjol) Mariana, Costea Marinela, Radu Şumălan

The King Michael I University of Life Sciences, Timisoara, Romania

Saturday, May 24, 2025 /Sâmbătă 24 Mai 2025

12.00 Awards ceremony – Room 134

Tour visit of Arad city/ Mureş Meadow Nature Park field visit

The participants departure

We thank to our sponsor for the provided sponsorships for the best students' awards!



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