



Section 6

BIOTECHNOLOGY

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Section president: Professor PhD. Călina Petruța CORNEA

Section coordinator: Professor PhD. Florentina MATEI

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- Lecturer PhD. Elisabeta Elena POPA
- Associate Professor PhD. Radu Cristian TOMA
- Lecturer PhD. Gabriela MĂRGĂRIT
- Lecturer PhD. Diana GROPOȘILĂ-CONSTANTINESCU
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**University of Agronomic Sciences and Veterinary Medicine of Bucharest
Faculty of Biotechnology**

E-mail: biotechnologiesjournal@usamv.ro

Web: <https://biotechnologyjournal.usamv.ro>

DETAILED PROGRAMME

SECTION 6: BIOTECHNOLOGY

Thursday, 6th June, 2024

08:00 – 09:00	Registration of participants
09:00 – 09:30	OPENING & WELCOME
09:30 – 10:30	PLENARY SESSION I
10:30 – 11:00	Coffee Break/Press Conference
11:00 – 13:00	PLENARY SESSION II
13:00 – 14:00	Lunch & Networking Activities
14:00 – 17:00	Poster display
19:00 – 21:30	Official Gala Dinner

Friday, 7th June, 2024

SESSION I
ORAL PRESENTATIONS

Chairperson: Prof. PhD. Florentina ISRAEL-ROMING

Moderator: Prof. PhD. Amalia Carmen MITELUȚ

Faculty of Biotechnology, Aula Magna "Prof. dr. Gheorghe Câmpeanu" - First Floor

08:00 – 08:50 *Arrival and Registration of Participants*

*Faculty of Biotechnology,
Aula Magna "Prof. dr. Gheorghe
Câmpeanu" - First Floor*

08:50 – 09:00 *Conference Section Opening*

Time	Authors	Paper Title
09:00 – 09:30	Gabriela Nicoleta TENEA	Blocking microbe colonization in avocado (<i>Persea nubigena</i> var. <i>guatemalensis</i>) exocarp through postbiotics treatment
09:30 – 10:00	Oscar VICENTE , Monica BOSCAIU, Sara GONZÁLEZ-ORENGA	Halophytes: tools for reclaiming salinised agricultural land
10:00 – 10:15	Eleonora CALZONI , Ciro TOLISANO, Agnese BERTOLDI, Nicolò MONTEGIOVE, Alessio CESARETTI, Dario PRIOLO, Daniele DEL BUONO, Carla EMILIANI	Production of protein hydrolysates with biostimulant activity from olive supply chain waste
10:15 – 10:30	Natalia CERYOVA , Judita LIDIKOVÁ, Monika ŇORBOVÁ, Silvia FEDORKOVÁ, Alena VOLLMANNOVÁ, Janette MUSILOVÁ, Luboš HARANGOZO	Heavy metal contamination in soil and its accumulation in home grown tomato (<i>Solanum lycopersicum</i> L.) fruits
10:30 – 10:45	Katerina PIKULI , Ariola DEVOLLI	Total phenolic content and antioxidant activity evaluation of olive mill pomace extract
10:45 – 11:15	Coffee break / Viewing posters and discussions	Faculty of Biotechnology, First Floor, Main Hall

SESSION II

ORAL PRESENTATIONS

Chairperson: Prof. PhD. Florentina ISRAEL - ROMING

Moderator: Prof. PhD. Amalia Carmen MITELUȚ

Faculty of Biotechnology, Aula Magna "Prof. dr. Gheorghe Câmpeanu" - First Floor

Time	Authors	Paper Title
11:15 – 11:30	Ioannis Ilie KARPATHEAKIS , Călina Petruța CORNEA	Comparative analysis of brazzein production in <i>in vivo</i> and <i>in vitro</i> systems
11:30 – 11:45	Asawir Esamaldeen Ebrahim MOHAMED, Oana-Alina BOIU-SICUIA , Călina Petruța CORNEA	Toxigenic <i>Aspergillus</i> contaminants in sudanese poultry feed and potential biocontrol strategy
11:45 – 12:00	Quthama AL-ZAIDI, Adelina Georgiana MATAACHE, Laura-Dorina DINU , Eleonora CALZONI, Florentina MATEI	Development of the lactic acid permeabilizer V-QPCR technique for <i>Salmonella</i> spp., detection and quantification
12:00 – 12:15	Claudia DÎRLĂ , Maria Rodica GURĂU, Fănel OȚELEA, Nicoleta DRĂGUȚ, Georgeta ȘTEFAN, Marius Andrei MĂNESCU, Doina DANEȘ	DNA extraction from standard ASF - a comparison study using two commercial kits for diagnosis of ASF infection
12:15 – 12:30	Florentina MATEI	Green practices in Biotechnological teaching and learning environment
12:30 – 12:40	Conclusions and Closing ceremony	
12:40 – 14:00	Lunch	Faculty of Biotechnology, First Floor, Main Hall
14:00 – 15:30	Workshop "Promoting the EHEDG concept in Romania for improving of food safety"	
15:30 – 17:00	Workshop "Food safety and trends in global legislative harmonization"	
17:00 – 17:30	Coffee break	

POSTER SESSION

Time: 09:00 – 12:30

Faculty of Biotechnology, First Floor, Main Hall

Session Moderators: Prof. PhD. Florentina MATEI
Lecturer PhD. Elisabeta Elena POPA

Paper ID	Authors	Paper Title
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I. AGRICULTURAL BIOTECHNOLOGY

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| P.I.1. | Gabriela POPA, Matilda CIUCA,
Alexandru DUMITRU | Studies on some bioactive compounds from colored wheat |
| P.I.2. | Larysa KOLDAR | Development of effective methods for <i>in vitro</i> propagation and conservation of the endemic species <i>Moehringia hypanica</i> Grynj et Klokov |
| P.I.3. | Valentina STOIAN,
Amalia-Carmen MITELUȚ | Trends on the research regarding increasing of resistance in common bean (<i>Phaseolus vulgaris</i> L.) cultivars |

II. FOOD BIOTECHNOLOGY

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| P.II.1. | Silvia FEDORKOVÁ,
Janette MUSILOVÁ,
Monika ŇORBOVÁ,
Alena VOLLMANNOVÁ,
Natália ČERYOVÁ, Judita LIDIKOVÁ | Impact of heat treatments on the antioxidant activity and total phenolic content of sweet chestnuts (<i>Castanea sativa</i> Mill.) |
| P.II.2. | Monika ŇORBOVÁ,
Alena VOLLMANNOVÁ,
Silvia FEDORKOVÁ,
Janette MUSILOVÁ,
Natália ČERYOVÁ, Judita LIDIKOVÁ | The effect of thermal processing on antioxidant activity and total polyphenols in Jerusalem artichoke (<i>Helianthus tuberosus</i> L.) |
| P.II.3. | Adina NICHITA,
Mona Elena POPA | Valorization of vegetal by-products in new matrices for the improved food sustainability systems |

Paper ID	Authors	Paper Title
P.II.4.	Mariana FERDES, Mirela Nicoleta DINCĂ, Mariana IONESCU, Elena Mădălina ȘTEFAN, Alina Daiana IONESCU, Mariana Gabriela MUNTEANU	Submerged cultivation of some species of edible basidiomycetes for the simultaneous biosynthesis of biomass and laccase enzyme
P.II.5.	Izabela ACATRINEI, Amalia Carmen MITELUȚ	Nutritional composition of bee products and current trends on their processing
P.II.6.	Carmen Mihaela TOPALA, Sorin Ionut PRITA, Loredana Elena VIJAN	Quality evaluation of some commercial honey samples
P.II.7.	Viorica Maria CORBU, Ana-Maria GEORGESCU, Irina GHEORGHE-BARBU, Ortansa CSUTAK	Antifungal activity of microbial strains isolated from Romanian spontaneously fermented dairy products
P.II.8.	Natalia VLADEI, Ecaterina COVACI, Alexandra ARSENI, Valeria DAMASCHIN	Assessment of grapes indigenous microbiome from 'Ștefan Vodă' protected geographical indication
P.II.9.	Georgiana CERCHEZAN, Florentina ISRAEL-ROMING	Correlation of the chemical parameters with the sensorial properties of wine
P.II.10.	Adina NICHITA, Mona Elena POPA	The challenges and alternatives of food sustainability: meat analogues & cultured meat
P.II.11.	Mihaela VILCU, Elisabeta Elena POPA, Mona Elena POPA	Food contaminants incidence on cereal value chain, a minireview
P.II.12.	Georgiana-Gabriela IORDACHE, Narcisa - Elena BĂBEANU	The potential of <i>Candida lipolytica</i> ICCF 214 (ATCC 16618) to produce biosurfactans
P.II.13.	Hanna Maria BARANOWSKA, Krzysztof SMARZYŃSKI, Wojciech CICHOCKI, Paweł JEŻOWSKI, Przemysław Łukasz KOWALCZEWSKI	Innovative, high-value plant-based analogues of hot dog sausages: analysis of rheological and textural properties and proton molecular dynamics

Paper ID	Authors	Paper Title
P.II.14.	Przemysław Łukasz KOWALCZEWSKI, Krzysztof SMARZYŃSKI, Wojciech CICHOCKI, Martyna Natalia WIECZOREK, Aneta TOMCZAK, Anna OLEJNIK, Millena RUSZKOWSKA, Małgorzata GUMIENNA, Barbara GÓRNA, Joanna ZEMBRZUSKA, Hanna Maria BARANOWSKA	Nutritional value and biological activity of a plant-based burger analogue: <i>in vitro</i> study before and after the digestion process
P.II.15.	Alina DOBRE, Elena Mirela CUCU	Evaluation of sourdoughs prepared in different conditions using spontaneous fermentation technique
P.II.16.	Zayde AYVAZ, Hasan Hüseyin ATAR	Innovative technologies for reducing food loss in the seafood industry
P.II.17.	Mihaela MULȚESCU, Iulia-Elena SUSMAN, Alina CULEȚU, Medana ZAMFIR, Angel MARTÍNEZ SANMARTIN, Florentina ISRAEL-ROMING	The influence of starter cultures of lactic acid bacteria on fermentation of white cabbage

III. MEDICAL AND PHARMACEUTICAL BIOTECHNOLOGY

P.III.1.	Elena MIHAI, Alexandra GASPAR-PINTILIESCU, Laura Mihaela STEFAN, Rodica TATIA, Viorica COROIU, Oana CRACIUNESCU	Antioxidant and antiproliferative activity of small peptides isolated from marine algae by green methods
P.III.2.	Dănuț-Mihai PETRE, Monica ENACHE	Microscopic characteristics of rhizomes of <i>Curcuma longa</i> and <i>Zingiber officinale</i> (Zingiberaceae) - a selection of light microscopy images
P.III.3.	Gaia CUSUMANO, Agnese BERTOLDI, Giada CERROTTI, Eleonora CALZONI, Lorena URBANELLI, Paola ANGELINI, Carla EMILIANI	Purification and characterization of extracellular vesicles from the edible mushroom <i>Pleurotus eryngii</i>

Paper ID	Authors	Paper Title
P.III.4.	Agnese BERTOLDI, Eleonora CALZONI, Gaia CUSUMANO, Lorena URBANELLI, Carla EMILIANI	Plant derived extracellular vesicles with anti-inflammatory and antioxidant activity from <i>Capparis spinosa</i> and <i>Rosa canina</i>

IV. ENVIRONMENTAL BIOTECHNOLOGY

P.IV.1.	Roxana Mădălina STOICA, Mișu MOSCOVICI, Cristina BĂZDOACĂ, Elena Simina LAKATOS, Lucian Ionel CIOCA	Biosurfactant production by <i>Pseudomonas fluorescens</i> strain
P.IV.2.	Laura FEODOROV, Mihai NITA-LAZAR, Călina Petruța CORNEA	Exploring current frontiers of environmental challenges by bioindicators and biomarkers
P.IV.3.	Georgiana-Gabriela IORDACHE, Narcisa-Elena BĂBEANU	Classification and industrial applications of biosurfactants – minireview
P.IV.4.	Mirela-Nicoleta DINCĂ, Mariana FERDEȘ, Gigel PARASCHIV, Bianca-Ștefania ZĂBAVĂ, Georgiana MOICEANU	Isolation of microorganisms to enhance the digestibility of organic substrate for biogas production
P.IV.5.	Cristina FIRINCĂ, Mariana CONSTANTIN, Iuliana RĂUT, Lucian-Gabriel ZAMFIR, Ana-Maria GURBAN, Mihaela DONI, Gelu VASILESCU, Luiza JECU, Tatiana Eugenia ȘESAN	Insight into the heavy metal resistance of microorganisms
P.IV.6.	Cristina FIRINCĂ, Mariana CONSTANTIN, Iuliana RĂUT, Raluca BUNGHEZ, Ana-Maria GURBAN, Mihaela DONI, Lucian-Gabriel ZAMFIR, Elvira ALEXANDRESCU, Gelu VASILESCU, Luiza JECU	Extracellular biosynthesis of bactericidal silver nanoparticles by fungal strains

Paper ID	Authors	Paper Title
P.IV.7.	Alexandru Cristian GROSU, Hermann Coulibaly WAHAUWOUÉLE, Camelia Filofteia DIGUȚĂ, Diana BARBULESCU, Florentina MATEI	The biotechnological potential uses of <i>Vitis vinifera</i> seed wastes
P.IV.8.	Olga POSTOLACHI, Inna RASTIMESINA, Vera MAMALIGA	Lipolytic and cutinolytic activity of microorganisms isolated from polyethylene surface

V. MISCELLANEOUS

P.V.1.	Oana GHERGHESCU, Angela CĂȘĂRICĂ, Mișu MOSCOVICI, Florentina ISRAEL-ROMING	Screening of microbial strains able to produce extracellular lipases
P.V.2.	Magdalena ROSU, Despina-Maria BORDEAN, Adina BERBECEA, Isidora RADULOV, Ionela HOTEA, Gabriela PREDA, Monica DRAGOMIRESCU	Horseradish, a reservoir of useful bioactive compounds