



Section 6

BIOTECHNOLOGY

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- Section president: Professor PhD. **Călina Petruța CORNEA**
- Section coordinator: Professor PhD. **Florentina MATEI**
- Members:
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 - Lecturer PhD. **Elena Elisabeta POPA**
 - Lecturer PhD. **Radu Cristian TOMA**
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**University of Agronomic Sciences and Veterinary Medicine of Bucharest
Faculty of Biotechnology**

E-mail: biotechnologiesjournal@usamv.ro

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

DETAILED PROGRAMME

SECTION 6: BIOTECHNOLOGY

Thursday, 3th June, 2021

- 08:30 – 09:30 *Online registration of the participants*
- 09:30 – 13:00 *Welcome & Plenary Sessions*
(see details in the Plenary Sessions program)
- 13:00 – 14:00 *Break*

SESSION I ORAL PRESENTATIONS (Livestream)

Chairman: Prof. PhD. Călina Petruța CORNEA
Moderator: Prof. PhD. Florentina ISRAEL-ROMING

No	Time	Authors	Paper Title
1	14:00 – 14:10	Călina Petruța CORNEA, <i>Dean, Faculty of Biotechnology</i>	<i>Conference Section Opening - Welcome</i>
2	14:10 – 14:25	Gabriela Nicoleta TENEA, Clara ORTEGA, Evelyn ANGAMARCA, Daniela OLMEDO, Maily GONZALES	GENETIC CHARACTERIZATION OF WEISSELLA CIBARIA STRAIN UTNGT210 REVEALED THE PRESENCE OF ENTEROLYSIN-A LIKE BACTERIOCIN THAT INHIBIT STAPHYLOCOCCUS AUREUS ATCC1026
3	14:25 – 14:40	Ricardo MIR, Oscar VICENTE	POLLEN: AN AMAZING MODEL SYSTEM TO STUDY A DISPARATE SERIES OF PLANT BIOLOGICAL PROCESSES

No	Time	Authors	Paper Title
4	14:40 – 14:55	Dana COPOLOVICI, Silvia Elena Lavinia MOȚ, Andreea LUPITU, Cristian MOISA, Maria Daniela MOȚ, Adina Maria BODESCU, Dorina CHAMBRE, Lucian COPOLOVICI	APPLICATIONS OF PLANT EXTRACTS
5	14:55 – 15:10	Roxana HOROIAȘ, Marius BECHERIȚU, Cristian CIOINEAG, Paul BOROVIŃĂ, Carmen GAIDĂU, Mihaela NICULESCU	BIOMETRIC RESULTS FOR MAIZE CROP, AS A RESULT OF TREATMENT WITH NEW BIOSTIMULATORS BASED ON PROTEIN ADDITIVES
6	15:10 – 15:30	<i>Virtual networking / Break</i>	
7	15:30 – 15:45	Denisa CIOTEA, Mark SHAMTSYAN, Mona Elena POPA	ANTIBACTERIAL ACTIVITY OF PEPPERMINT, BASIL AND ROSEMARY ESSENTIAL OILS OBTAINED BY STEAM DISTILLATION
8	15:45 – 16:00	Laura-Simona IRIMESCU, Celia GUERRERO OLIVARES, Camelia Iustina PREDA, Camelia Filofteia DIGUTA, Gabriela LUȚĂ, Daniela BĂLAN, Florentina MATEI	CHARACTERISATION OF THE ANTIMICROBIAL AND ANTIOXIDANT PROFILE OF <i>PHALAENOPSIS</i> ORCHID WASTES
9	16:00 – 16:15	Mona Elena POPA	HOW INNOVATION COULD BE TAILORED TO ENSURE SUSTAINABLE AND HIGH- QUALITY ORGANIC FRUIT PRODUCTS?
10	16:15 – 16.30	Corina CĂȚANĂ, Paula BOBOC (OROS)	<i>IN VITRO</i> LIQUID CULTURE OF <i>STEVIA REBAUDIANA</i> BERT. FOR MASS PROPAGATION

No	Time	Authors	Paper Title
11	16:30 – 16:45	Inna RASTIMESINA, Olga POSTOLACHI, Valentina JOSAN, Oleg BOGDEVICI	MICROBIOLOGICAL CHARACTERISTICS OF LONG-TERM CONTAMINATED SOIL WITH ORGANOCHLORINE PESTICIDES
	16:45 – 17:15	<i>Q & A Session/ Breakout sessions</i>	

Friday, 4th June, 2021

08:00 – 09:00	<i>Online registration of the participants</i>
	Chairman: Prof. PhD. Florentina Matei
	Moderator: Lecturer PhD. Elisabeta Elena POPA
09:00 – 12:00	<i>Virtual Poster display and viewing (see posters' code in the Book of Abstracts)</i>
12:00 – 12:30	<i>Q & A Session/Virtual networking</i>
12:30 – 13:00	<i>Conclusions and Closing session</i>

POSTER SESSION

AGRICULTURAL BIOTECHNOLOGY

No	Authors	Paper Title
1.	Mariana Valentina PETRE, Gabriela Daniela STAMATIE, Mona Elena POPA	THE EVOLUTION OF THE QUALITY PARAMETERS ON THE STORED WHEAT
2.	Eleonora CALZONI, Alessio CESARETTI, Nicolò MONTEGIOVE, Roberto Maria PELLEGRINO, Leonardo LEONARDI, Carla EMILIANI	PROTEIN AND AMINO ACID PROFILE ANALYSIS OF AGRI-FOOD WASTE BIOMASSES
3	George TOADER, Viorica CHIURCIU, Paul CHIȚONU, Cătălin-Ionuț ENEA, Alexandru TOADER, Emilian MIREA, Gabriel-Alin IOSOB, Daniela TRIFAN, Luxița RÎȘNOVEANU, Leonard ILIE	REVOLUTIONARY METHODS IN FERTILIZATION PROCESSES OF AGRICULTURE OF ROMANIA: BACTERIAL BIOPREPARATIONS - A 'GREEN REVOLUTION'
4	Valentina VASILE, Matilda CIUCĂ, Elena NICOLAE, Cătălina VOAIDEȘ, Călina Petruța CORNEA	ASSESSING THE MOST APPROPRIATE PCR CONDITIONS FOR SSR MARKERS IN WHEAT CULTIVARS STUDY
5	Elena MIHAI, Daniela ILIE, Alexandra GASPAR-PINTILIESCU, Adriana Florina POPESCU, Mariana POPESCU, Cristina LUNTRARU, Miruna NEAGU, Oana CRĂCIUNESCU	ANTIOXIDANT AND PESTICIDE POTENTIAL OF SAGE HYDROSOLS
6	Ioana-Alexandra BALA, Bogdan TRICĂ, Florentina GEORGESCU, Emilian GEORGESCU, Diana CONSTANTINESCU-ARUXANDEI, Sergey SHAPOSNIKOV, Florin OANCEA	THE EFFECT OF A STRIGOLACTONE MIMIC ON GROWTH AND COLONY MORPHOLOGY IN PHYTOPATHOGENIC FUNGI

No	Authors	Paper Title
7	Orsolya Csilla RADULY, József FAZAKAS, Diana CONSTANTINESCU-ARUXANDEL, Csilla BENEDEK, Mălina AVRAM-DEȘLIU, Enikő FAZAKAS, Florin OANCEA	POROUS CERAMIC GRANULES AS INORGANIC SOIL CONDITIONER
8	Tunahan ERDEM, Zeynep SAHAN	GRAPEFRUIT PULPS FOR DAIRY DIETS
9	Valentin ZAMFIROPOL-CRISTEA, Iulia RĂUT, Florin OANCEA	ECO-EFFICIENCY AND TECHNO-ECONOMIC ANALYSIS OF <i>TRICHODERMA</i> BASED PLANT BIOSTIMULANT UTILISATION ON CORN CULTIVATED IN A CONSERVATION FARMING SYSTEM
10	Elena UȚOIU, Iulia RĂUT, Florin OANCEA	EFFECTS OF EXTRACTS FROM <i>PASSIFLORA CAERULEA</i> LEAVES TREATED WITH A <i>TRICHODERMA</i> BIOSTIMULANT CONSORTIUM ON LACTIC ACID BACTERIA

POSTER SESSION

FOOD BIOTECHNOLOGY

No	Authors	Paper Title
1.	Teodora-Cristina CIUCAN, Anca OANCEA, Florentina MATEI	HEALTH BENEFITS OF FERMENTED COLOSTRUM – A REVIEW
2.	Elena MIHAI (DRĂGHICI), Anca OANCEA, Oana CRĂCIUNESCU, Daniela ILIE, Cătălina SANDA, Daniela BĂLAN, Ștefana JURCOANE	EXTRACTION AND IDENTIFICATION OF THE MAIN ALLERGENS FROM FRIED PEANUTS
3	Nicolò MONTEGIOVE, Eleonora CALZONI, Alessio CESARETTI, Roberto Maria PELLEGRINO, Carla EMILIANI, Alessia PELLEGRINO, Leonardo LEONARDI	SOLUBLE PROTEIN CONTENT ASSESSMENT IN DRY PET FOOD RAW MATERIALS: COMPARISON BETWEEN FRESH MEAT AND MEAT MEAL FORMULATIONS
4	Mihaela MULȚESCU, Iulia-Elena SUSMAN, Floarea BURNICHI, Florentina ISRAEL-ROMING	ANTIOXIDANT ACTIVITY IN SELECTED BRASSICACEAE VEGETABLES
5	Iulia-Elena SUSMAN, Marina SCHIMBATOR, Gabriela STAMATIE, Alina CULEȚU, Alina DOBRE, Mihaela MULȚESCU, Mona Elena POPA	SOURDOUGH FERMENTATION IN GLUTEN-FREE BREAD: A SHELF-LIFE IMPROVEMENT
6	Șerban–Eugen CUCU, Mona Elena POPA	IMPROVING BREAD AROMA USING SOURDOUGH FERMENTATION
7	Gabriela Nicoleta TENEA	POSTBIOTICS: A SOLUTION TO PROTECT TROPICAL FRUITS TOWARDS POSTHARVEST ADULTERATION
8	Sorin NIȚU, Mihaela GEICU-CRISTEA, Florentina MATEI	MILK–CLOTTING ENZYMES OBTAINED FROM PLANTS IN CHEESEMAKING – A REVIEW

No	Authors	Paper Title
9	Mihaela GEICU-CRISTEA, Paul-Alexandru POPESCU, Diana CĂPRAN, Mihaela-Cristina DRĂGHICI, Elisabeta Elena POPA	ROMANIAN CONSUMER BEHAVIOUR REGARDING PASTA CONSUMPTION DURING THE COVID 19 PANDEMIC
10	Elena-Claudia STOICAN, Claudia-Elena MOȘOIU, Florentina ISRAEL-ROMING	GLUTEN-FREE PRODUCTS AND POSSIBILITIES OF NEW FORMULATION FOR IMPROVING TEXTURAL AND NUTRITIONAL CHARACTERISTICS – REVIEW
11	Elisabeta Elena POPA, Amalia Carmen MITELUȚ, Paul Alexandru POPESCU, Mihaela Cristina DRĂGHICI, Vlad Ioan POPA, Maria RĂPĂ, Mona Elena POPA	BIODEGRADABLE POLYMERIC SYSTEMS FOR MEAT PACKAGING – A REVIEW
12	Ioana STANCIU, Mona Elena POPA	IMPROVING NUTRITIONAL VALUE AND SENSORIAL PROPERTIES OF BAKERY PRODUCTS USING FUNCTIONAL INGREDIENTS
13	Mircea-Cosmin PRISTAVU, Camelia Filofteia DIGUȚĂ, Ionuț MORARU, Florentina MATEI	USE OF <i>SACCHAROMYCES CEREVISIAE</i> AS AN ANTI-AGING STUDY TOOL
14	Georgiana CERCHEZAN, Florentina ISRAEL-ROMING	IDENTIFYING SYNTHETIC COLORANTS FROM WINE BY UPLC
15	Amalia Carmen MITELUȚ, Elena Elisabeta POPA, Paul-Alexandru POPESCU, Mona Elena POPA	INNOVATIVE PRESERVATION TECHNOLOGIES FOR A SUSTAINABLE FOOD SYSTEM
16	Luminița DIMITRIU, Daniel PREDA, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA, Narcisa BĂBEANU	OPTIMIZATION OF ULTRASOUND- ASSISTED EXTRACTION OF POLYPHENOLS FROM HONEYSUCKLE (<i>LONICERA CAPRIFOLIUM</i>)

No	Authors	Paper Title
17	Andra Lavinia NICHÎȚEAN, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA	HEALTH PROMOTING QUALITY OF THE ROMANIAN HONEY
18	Otilia-Gabriela BĂRBIERU, Bogdan TRICĂ, Naomi TRITEAN, Radian Nicolae NEGRILĂ, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA	MAXIMIZING TOTAL PROTEIN EXTRACTION FROM SPENT BREWER'S YEAST USING HIGH-PRESSURE HOMOGENIZATION
19	Gabriela Daniela STAMATIE, Denisa Eglantina DUȚĂ, Nastasia BELC, Claudia ZOANI, Florentina ISRAEL-ROMING	NUTRITIONAL AND FUNCTIONAL PROPERTIES OF SOME PROTEIN SOURCES
20	Ortansa CSUTAK, Viorica CORBU	EVALUATION OF SACCHAROMYCES STRAINS AS ANTIMICROBIAL AND PROBIOTIC AGENTS
21	Viorica MARIA CORBU, Ortansa CSUTAK	SAFETY ASSESSMENT OF NEWLY ISOLATED YEAST STRAINS FROM SPONTANEOUSLY FERMENTED PRODUCTS - PRELIMINARY STEP FOR IMPROVING BIOTECHNOLOGICAL APPLICATIONS
22	Mioara NEGOIȚĂ, Adriana Laura MIHAI, Gabriela Andreea HORNEȚ	REDUCING OF ACRYLAMIDE FORMATION IN FRIED POTATOES BY PRE-TREATMENT APPLICATIONS
23	Adriana Laura MIHAI, Mioara NEGOIȚĂ, Gabriela Andreea HORNEȚ	DETERMINATION OF ACRYLAMIDE CONTENT IN POTATO-BASED PRODUCTS BY GC-MS/MS USING THE SPE TECHNIQUE

POSTER SESSION
MEDICAL AND PHARMACEUTICAL BIOTECHNOLOGY

No	Authors	Paper Title
1.	Ruxandra-Daniela DUMITRU, Oana LIVADARIU	A REVIEW OF CONTAMINATION CONTROL IN PHARMACEUTICAL INDUSTRY IN THE CURRENT SARS-COV- 2 PANDEMIC CONTEXT
2.	Denisa CIOTEA, Mona Elena POPA	INFLUENCE OF PRESERVATION METHOD ON PEPPERMINT, BASIL AND ROSEMARY PLANT EXTRACTS CHEMICAL COMPOSITION
3.	Lavinia-Diana-Nicoleta BARBU, Oana-Alina BOIU-SICUIA, Narcisa BĂBEANU	BIOLOGICAL ACTIVE COMPOUNDS OF THE POLYGONACEAE FAMILY- A REVIEW
4.	Georgiana MICU, Oana-Alina BOIU-SICUIA, Aglăia BURLACU (POPA), Florentina ISRAEL-ROMING, Călina Petruța CORNEA	RESEARCHES ON THE QUANTIFICATION OF L- ASPARAGINASE PRODUCED BY MICROORGANISMS
5.	Cristina Monica DABULICI, Emanuel VAMANU, Nand Rai SACHCHIDA	THE BIOLOGICAL ACTIVITY IN VIVO AND <i>IN VITRO</i> OF <i>CENTAUREA CYANUS</i> , <i>LACTARIUS PIPERATUS</i> , AND <i>RIBES RUBRUM</i>
6.	Angela MORARU, Florin OANCEA	BACTERIAL NANOCELLULOSE AND ITS APPLICATION FOR MUCOADHESIVE FORMULATIONS
7.	Maria RAPA, Ecaterina MATEL, Carmen GAIDAU, Anamaria MOSUTIU, Cristian PREDESCU, Mariana Daniela BERECHET, Andrei Constantin BERBECARU	ENCAPSULATED ESSENTIAL OILS INTO COLLAGEN NANOFIBERS AS POTENTIAL WOUND DRESSINGS

No	Authors	Paper Title
8	Cristina Valentina ALBU (PROCA), Diana GROPOȘILĂ- CONSTANTINESCU, Florentina MATEI, Călina Petruța CORNEA	OPTIMISATION OF LACCASE PRODUCTION BY <i>TRICHODERMA</i> SPP.

POSTER SESSION

ENVIRONMENTAL BIOTECHNOLOGY

No	Authors	Paper Title
1.	Alexandra GRIGORAȘ (BURLACU), Aglăia POPA (BURLACU), Florentina ISRAEL-ROMING	NEW INSIGHTS ON LIGNIN DEGRADATION
2.	Roxana GHEORGHITĂ, Sonia AMARIEI, Gheorghe GUTT	USE OF POLYMERS IN THE DEVELOPMENT OF EDIBLE PACKAGING MATERIALS FOR FOOD SUPPLEMENTS
3	Ana Valentina ARDELEAN, Ioan I. ARDELEAN, Loredana Mirela SFÎRLOAGĂ, Călina Petruța CORNEA	SOME BIOTECHNOLOGICAL APPLICATIONS OF CYANOBACTERIA AND GREEN MICROALGAE
4	Cristian MOISA, Andreea LUPITU, Lucian COPOLOVICI, Dana COPOLOVICI	ECO-FRIENDLY PLANT-BASED REAGENTS FOR GREEN SYNTHESIS APPLICATIONS

POSTER SESSION

MISCELLANEOUS

No	Authors	Paper Title
1.	Andrei Constantin Ioan ARLET, Aglaia POPA (BURLACU), Alexandru GROSU, Florentina ISRAEL-ROMING	ANTHOCYANINS IN PURPLE MAIZE
2.	Agnes TOMA (APATEAN), Lucia MOLDOVAN, Oana CRĂCIUNESCU, Ștefana JURCOANE, Florentina ISRAEL-ROMING, Daniela BĂLAN, Gabriela LUȚĂ	METHODS FOR OBTAINING COLLAGEN FROM VARIOUS FISH SOURCES
3	Monica ENACHE, Marius HANGAN	SIZE AND TYPE OF POLLEN GRAINS OF SOME MELLIFEROUS PLANTS IN ROMANIA
4	Monica ENACHE, Silvana Mihaela DĂNĂILĂ-GUIDEA, Marius HANGAN	COMPARATIVE STUDY OF LIGHT MICROSCOPY IMAGES OF POLLEN FROM 3 ONAGRACEAE SPECIES
5	Oana GHERGHESCU, Cristina STURZOIU (BALAȘ), Delia JITEA (ROMAN), Angela CĂȘĂRICĂ, Mișu MOSCOVICI, Narcisa BĂBEANU, Florentina ISRAEL-ROMING	MICROBIAL LIPASES: OBTAINING, PURIFYING AND CHARACTERIZATION REVIEW
6	Imana PAL	THE GREEN HEART OF NATURE (<i>PIPER BETLE</i> L.): A REVIEW ON HEALTH BENEFITS AND DISEASE PREVENTING PROPERTIES OF BETEL LEAF
7	Mariana CĂLIN, Iuliana RĂUT, Ana Maria GURBAN, Mihaela DONI, Nicoleta RADU, Luiza JECU	PLANT GROWTH PROMOTION ACTIVITY OF KERATINOLYTIC <i>CLADOSPORIUM</i> ISOLATES GROWING ON KERATIN WASTES
8	Iuliana RĂUT, Mariana CĂLIN, Ana Maria GURBAN, Mihaela DONI, Gelu VASILESCU, Nicoleta RADU	SCREENING OF BACTERIAL STRAINS ACTIVE IN MICROBIAL INDUCED CARBONATE PRECIPITATION THROUGH UREOLYTIC PATHWAY

No	Authors	Paper Title
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9	Cătălin BILBIE, Iulia MAOR-DOBREA	THE INFLUNCE OF THE MARKET FACTORS AND THE CONSUMPTION PREFERENCES IN NEW FUNCTIONAL SNACK BARS FORMULATION
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