

SUMMARY

SUBSECTION I: AGRICULTURAL BIOTECHNOLOGY

1. GENETIC DIVERSITY AMONG SOME PEARS GENOTYPES FROM WEST PART OF ROMANIA ON THE BASE OF RAPD MARKERS - **Giancarla VELICEVICI, Emilian MADOȘĂ, Dorin CAMEN, Sorin CIULCA, Adriana CIULCA, Carmen BEINȘAN, Mihaela MĂLĂESCU, Iuliana CREȚESCU** 9
2. PATHOGENICITY OF *Beauveria bassiana*, *B. pseudobassiana*, AND *Metarhizium anisopliae* INDIGENOUS ISOLATES AGAINST *Plodia interpunctella* AND *Galleria mellonella* IN LABORATORY ASSAYS - **Daniel COJANU, Maria Cristina LUMÎNARE, Monica Mihaela DINU, Ana-Cristina FĂTU** 14
3. STIMULATION OF SEABUCKTHORN (*Elaeagnus rhamnoides*) MICROBIAL SYMBIOSES - **Ion-Mihai GIURESCU, Călina Petruța CORNEA, Florin OANCEA** 23
4. RESEARCH ON BIOCONVERSION OF LIGNOCELLULOSIC WASTE FOR THE CULTIVATION OF BIOCOMPOUNDS PRODUCING MACROMYCETES - **Ionuț-Cristian RUSU, Alexandru Valentin ZĂGREAN, Florentina ISRAEL-ROMING** 31
5. BIOSYNTHESIS OF INULINASES BY *Aspergillus terreus* USING ORANGE PEELS POWDER AS A POTENTIAL SUBSTRATE - **Maria Monica PETRESCU, Dana Maria MIU, Gabriela SAVOIU, Mihaela Carmen EREMIĂ** 41
6. EVALUATION OF THE IMPACT OF THE *Trichoderma* TREATMENT IN BUZĂU BELL PEPPER (*Capsicum annuum*) CULTURE 10 - **Cristian-Alexandru TOADER, Floarea BURNICHI, Dumitru-Mitel TOMA, Vasilica MANEA, Emilian MIREA, Mona Elena Popa** 47
7. COMPARISON OF DIFFERENT TYPES OF MOLECULAR MARKERS USED IN GENETIC DIVERSITY STUDIES OF BROOMRAPE FROM SERBIA - **Maria DUCA, Ana MUTU, Ina BIVOL** 52
8. THE ANTIOXIDANT EFFECT OF RAW BEE POLLEN COLLECTED FROM ECOLOGICAL CROPS - MINIREVIEW - **Mirela DRĂGAN, Roxana SPULBER, Oana LIVADARIU, Ștefana JURCOANE** 60
9. BIOTECHNOLOGICAL APPLICATIONS OF MYCORRHIZAL PRODUCTS IN INTENSIVE AGRICULTURE - **Marina DRAGOTA, Ștefana JURCOANE, Virgil UNTARU** 68
10. USE OF HYDROGELS AS A SUSTAINABLE SOLUTION FOR WATER AND NUTRIENTS MANAGEMENT IN PLANT CULTURE - **Amalia-Carmen MITELUȚ, Silvana Mihaela DĂNĂILĂ-GUIDEA, Paul-Alexandru POPESCU, Mihaela-Cristina DRĂGHICI, Elisabeta Elena POPA, Mona Elena POPA** 73

SUBSECTION II: FOOD BIOTECHNOLOGY

1. USE OF MICROENCAPSULATION AND NANOENCAPSULATION TECHNIQUES IN DAIRY TECHNOLOGY - **Ece BÜYÜKGÜMÜŞ, Merve ÖZCAN, Selda BULCA** 85
2. CHARACTERIZATION OF FEED CONTAMINATION BY *Fusarium* sp. - A REVIEW - **Asawir Esamaldeen Ebrahim MOHAMED, Oana-Alina BOIU-SICUIA, Călina Petruța CORNEA** 92
3. BREAD QUALITY IMPROVEMENT BY ADDING DEHYDRATED SOURDOUGH IN THE RECIPE - **Șerban-Eugen CUCU, Mona Elena POPA** 104
4. IMPACT OF COVID-19 PANDEMIC ON THE FOOD SAFETY REQUIREMENTS IN THE FISH AND SEAFOOD CHAIN - **Mihaela GEICU-CRISTEA, Elisabeta Elena POPA, Paul-Alexandru POPESCU, Mihaela Cristina DRĂGHICI, Amalia Carmen MITELUȚ, Mona Elena POPA** 110
5. AMINO ACIDS COMPOSITION OF WHEAT-GERMINATED LEGUMES COMPOSITE FLOURS - **Florin URSACHI, Denisa ATUDOREI, Mădălina UNGUREANU-IUGA, Georgiana Gabriela CODINĂ** 116

SUBSECTION III: MEDICAL AND PHARMACEUTICAL BIOTECHNOLOGY

1. CURRENT STATUS OF THE APPLICATIONS OF PULLULAN AND ITS DERIVATIVES IN BIOMEDICAL FIELD - **Fawzia SHAAT, Ramona-Daniela PAVALOIU, Cristina HLEVCA** 125
2. GENETIC APPROACHES TO SELECT L-ASPARAGINASE PRODUCING *Bacillus* STRAINS - **Georgiana MICU, Oana-Alina BOIU-SICUIA, Călina Petruța CORNEA** 133
3. LIMONENE - A BIOMOLECULE WITH POTENTIAL APPLICATIONS IN REGENERATIVE MEDICINE - **Mohammed Shaymaa Omar MOHAMMED, Narcisa BABEANU, Călina Petruța CORNEA, Nicoleta RADU** 139

SUBSECTION IV: ENVIRONMENTAL BIOTECHNOLOGY

1. SCREENING OF CULTIVATION MEDIA FOR LDPE BIODEGRADATION BY *Pseudomonas fluorescens* - **Olga POSTOLACHI, Inna RASTIMESINA, Valentina VORONA, Vera MAMALIGA** 151
2. BIODEGRADATION OF NOVEL POLYLACTIC ACID BASED BIOMATERIALS BY DIFFERENT METHODS - **Elisabeta Elena POPA, Maria RÂPĂ, Mihaela GEICU-CRISTEA, Amalia Carmen MITELUȚ, Paul-Alexandru POPESCU, Mihaela Cristina DRĂGHICI, Silvana Mihaela DĂNĂILĂ -GUIDEA, Mona Elena POPA** 158