

SUMMARY

SUBSECTION I: AGRICULTURAL BIOTECHNOLOGY

1. A REVIEW OF *IN VITRO* STUDIES ON *Allium tuncelianum* (Kollman) Ozhatay, Matthew, Siraneci - **Faika YARALI KARAKAN** 11
2. BIOTECHNOLOGICAL RECYCLING OF FRUIT TREE WASTES THROUGH ORGANIC CULTIVATION OF MUSHROOM SPECIES - **Gabriela ȚEȚU** 17
3. PRELIMINARY RESULTS REGARDING THE TESTING OF TREATMENTS WITH LED ON THE SEED GERMINATION OF *Lycopersicum esculentum* L. - **Oana LIVADARIU, Ruxandra-Daniela DUMITRU** 23
4. COMPARATIVE ANALYSES OF PLANT RESPONSES TO SALINITY IN RELATED TAXA: A USEFUL APPROACH TO STUDY SALT STRESS TOLERANCE MECHANISMS - **Oscar VICENTE, Monica BOSCAIU** 29
5. PHYLOGENETIC ANALYSES OF SUGARCANE CULTIVARS USING SIMPLE SEQUENCE REPEAT MARKERS - **Rakesh TAWADARE, Devarajan THANGADURAI, Rayappa KHANDAGAVE, Jeyabalan SANGEETHA, Ramachandra PANDHARI** 37
6. RAPID DNA ISOLATION AND ISSR-PCR OPTIMIZATION FOR FIBROUS LEAF TISSUES OF WILD PALMS OF SOUTHERN PENINSULAR INDIA - **Umesh MADAR, Devarajan THANGADURAI, Suyamindra KULKARNI, Pramod GAI, Jeyabalan SANGEETHA** 42
7. MOLECULAR DIVERSITY IN WILD POPULATIONS OF *Pinanga dicksonii* (Roxb.) Blume (*Arecaceae*) FROM WESTERN GHATS OF KARNATAKA USING MICROSATELLITE MARKERS - **Umesh MADAR, Devarajan THANGADURAI, Kusum Pramod ANGADI, Vadakkethil Balakrishnan SREEKUMAR, Jeyabalan SANGEETHA** 49
8. IDENTIFICATION OF A SMALL HEAT SHOCK PROTEIN GENE FROM PISTACHIO - **Mehmet KOC, Muhittin KULAK, Muhammet KARAMAN, Hakan ÇETINKAYA** 57

SUBSECTION II: BIOTECHNOLOGY IN VETERINARY MEDICINE

1. RECENT DISCOVERIES IN *Varroa destructor* TREATMENT, PREVENTION AND PARASITE - HOST INTERACTION - **Thomas VEZETEU, Adriana AURORI, Daniel DEZMIREAN, Adriana CRISTE** 63

SUBSECTION III: FOOD BIOTECHNOLOGY

1. COMPARATIVE STUDY ON EXTRACTION METHODS OF PECTIN FROM BY-PRODUCTS OF JUICED CARROTS - **Agnes TOMA, Oana CRĂCIUNESCU, Rodica TATIA** 71
2. EFFECT OF CLIMATE CONDITIONS ON THE RIPENESS QUALITY INDICATORS OF SOME RED GRAPES FROM VALEA CĂLUGĂREASCĂ VINEYARD - **Elena COARFĂ, Mona Elena POPA** 78
3. *IN VITRO* RESEARCH ON THE INHIBITORY EFFECTS OF FENNEL, SAGE AND SEABUCKTHORN ESSENTIAL OILS ON SOME FOOD SPOILAGE FUNGI - **Georgia OLARU, Elena Mona POPA** 87
4. HEAVY METALS AND PHYSICO-CHEMICAL COMPOSITION OF MATERNAL BREAST MILK AND COLOSTRUM - **Igori BALTA, Dragoș OLA, Roxana FILIP, Ana Maria PUI, Renata SALANTAI, Mihai COTÎRȚĂ, Ioan ȚÂNTEA, Adina Lia LONGODOR, Zamfir MARCHIȘ, Aurelia COROIAN** 91

5. APPLICATION OF HURDLE TECHNOLOGY AS A NOVEL APPROACH TO NEW DIETARY FIG-BASED PRODUCTS DEVELOPMENT IN RURAL AREAS OF ALBANIA - Luziana HOXHA, Renata KONGOLI	102
6. RESEARCHES REGARDING THE ANTIOXIDANT POTENTIAL OF SELECTED <i>Brassicaceae</i> VEGETABLES REPRESENTATIVE FOR HUMAN NUTRITION - Mihaela MULȚESCU, Marta ZACHIA, Floarea BURNICHI, Florentina ISRAEL-ROMING	108

SUBSECTION IV: INDUSTRIAL AND ENVIRONMENTAL BIOTECHNOLOGY

1. ISOLATION AND IDENTIFICATION OF EFFECTIVE MICROBIAL STRAIN FOR ACCELERATED BIODEGRADATION OF LEATHER INDUSTRY WASTE - Mioara Ancuța DUMITRU, Ștefana JURCOANE, Daniela BĂLAN, Oana SICUIA	117
2. EFFECT OF ACUTE GAMMA IRRADIATION ON GENERATION TIME, LIPID, CHLOROPHYLL <i>A</i> AND CAROTENS, IN <i>Chlorella sorokiniana</i> UTEX 2130 AND <i>Synechocystis</i> PCC 6803 - Cristina MOISESCU, Ana-Valentina ARDELEAN, Daniel NEGUT, Ioan I. ARDELEAN	122
3. LACCASE: MACRO AND MICROBIAL SOURCES, PRODUCTION, PURIFICATION AND BIOTECHNOLOGICAL APPLICATIONS - Cristina Valentina ALBU (PROCA), Raluca Ștefania ENCEA, Camelia DIGUȚĂ, Florentina MATEI, Călina Petruța CORNEA	128
4. TRENDS ON PHARMACEUTICAL PACKAGING MATERIALS - Denisa CIOTEA, Mona Elena POPA	137
5. HIGHER UTILIZATION OF WASTE FROM THE FOOD INDUSTRY THROUGH BIOTECHNOLOGICAL METHODS - Diana GROPOȘILĂ-CONSTANTINESCU, Luminița VIȘAN, Gabriela MĂRGĂRIT, Radu-Cristian TOMA, Dana BARBA, Marius HANGAN ..	143
6. EFFICIENT UTILIZATION OF WATERMELON WASTES - Indira GALIT, Alexandru Cristian GROSU, Narcisa BĂBEANU, Ovidiu POPA	147
7. MAPPING GEOGRAPHICAL DISTRIBUTION OF ROMANIAN ORCHIDS AND THEIR BIOLOGICAL ACTIVE SUBSTANCES - Laura-Simona IRIMESCU, Narcisa BĂBEANU, Florentina MATEI	154
8. PRELIMINARY CHARACTERIZATION <i>IN VITRO</i> OF <i>Bacillus licheniformis</i> STRAIN FOR USED AS DIETARY PROBIOTIC - Mihaela DUMITRU, Ionuț SORESCU, Mihaela HĂBEANU, Cristina TABUC, Ștefana JURCOANE	164
9. RESEARCHES CONCERNING THE USE OF CAMELINA OIL IN THE COMPOSITION OF COSMETIC PRODUCTS: REVIEW - Simona COPACI, Ștefana JURCOANE	173

SUBSECTION V: FOOD SAFETY

1. ANTIOXIDANT CAPACITY IN DONKEY MILK (<i>Equus asinus</i>) DEPENDING ON LACTATION - Adina Lia LONGODOR, Vioara MIREȘAN, Răzvan A. CODEA, Camelia RĂDUCU, Luisa ANDRONIE, Zamfir MARCHIȘ, Igori BALTA, Codruța MARIȘ, Aurelia COROIAN	181
2. PHYSICO-CHEMICAL COMPOSITION AND ANTIOXIDANT CAPACITY OF BUFFALO MILK - Aurelia COROIAN, Camelia RĂDUCU, Vioara MIREȘAN, Daniel COCAN, Igori BALTA, Adina Lia LONGODOR, Luisa ANDRONIE, Mircea MUNTEAN, Zamfir MARCHIȘ	186
3. CHARACTERIZATION OF MERLOT DRY RED WINE COMPOSITION ACCORDING TO THE YEAR OF PRODUCTION - Camelia RĂDUCU, Vioara MIREȘAN, Igori BALTA, Adina Lia LONGODOR, Ștefania MARIS, Aurelia COROIAN	193
4. AN OVERVIEW ON HUMAN POTENTIAL EXPOSURE TO BISPHENOL A FROM FOOD-CONTACT MATERIALS USED IN FRUITS PACKAGING AND PROCESSING - Elena UNGUREANU, Gabriel MUSTĂȚEA, Mona Elena POPA	199
5. TRENDS IN REFRIGERATION TECHNOLOGIES USED FOR FOOD PRESERVATION – A REVIEW - Elisabeta Elena POPA, Amalia Carmen MITELUȚ, Mona Elena POPA	205

6. THE MOUNTAIN PRODUCT - THE VISIT CARD OF THE MOUNTAIN AREAS - Ioana TOMA, Florentina MARIN HADDAD, Cristina GARLEA, Mariana PIPIRIGEANU, Mona Elena POPA	211
7. REVIEW ON LEGAL, SOCIAL AND ECONOMIC ASPECTS OF THE NEW BREEDING TECHNIQUES - Luminița Raluca SIMIONESCU, Narcisa BĂBEANU, Călina Petruța CORNEA	216
8. INFLUENCE OF LACTATION ON COMPOSITION OF MARES' MILK - Zamfir MARCHIȘ, Adina Lia LONGODOR, Răzvan CODEA, Igori BALTA, Aurelia COROIAN	226
9. THE NUTRITIONAL AND LIFESTYLE HABITS OF THE STUDENTS' POPULATION AT THE UNIVERSITY OF BIHAĆ AND PRESENTS THE RISK FACTORS FOR COLORECTAL CANCER - Suzana JAHIĆ, Jasmina CEPIĆ, Emina MALKIĆ	230
10. DEBUNKING MISINFORMATION ABOUT FOOD - Huub LELIEVELD, Veslemøy ANDERSEN	237

SUBSECTION VI: MISCELLANEOUS

1. CHEMICAL COMPOSITION AND ANTIOXIDANT ACTIVITY OF <i>Hyssopus officinalis</i> L. SELECTIVE FRACTIONS OBTAINED BY DIFFERENT METHODS - Alice GRIGORE, Svetlana COLCERU-MIHUL, Corina BUBUEANU, Lucia PÎRVU, Cristina BAZDOACĂ, Sultana NIȚĂ	251
2. COLOUR AND ORIGIN OF POLLEN PELLETS FROM TWO FRESH BEE POLLEN SAMPLES – A PRELIMINARY ANALYSIS - Monica ENACHE, Larisa ANGHEL	256
3. INITIAL STEPS TOWARDS THE ESTABLISHMENT OF A POLLEN COLLECTION AT USAMV BUCHAREST: THE STUDY OF ALLERGENIC POLLEN - Monica ENACHE, Matei COMAN, Marius HANGAN	260