

SUMMARY

AGRICULTURAL BIOTECHNOLOGY

The genetic variability evaluated with molecular markers on the bilberr tissue lines -Dorica BOTAU, Vanda BOLDA, Sorina POPESCU, Oana BOLDURA	11
Detection of molecular polymorphism of <i>Puccinia triticina</i> from wheat in Romania - Laura-Dorina DINU, Camelia DIGUTA, Matilda CIUCA, Larisa URSU, Calina Petruța CORNEA	15
Extracellular hydrolases of halophilic microorganisms isolated from hypersaline environments (salt mine and salt lakes) - Madalin ENACHE, Simona NEAGU, Roxana COJOC	20
Effect of some bacterial antagonists on growth and mycotoxin production of <i>Fusarium graminearum</i> and <i>F. culmorum</i> isolates - Iulian GROSU, Florentina ISRAEL-ROMING, Oana-Alina SICUIA, Florica CONSTANTINESCU, Gabriela POPA, Calina Petruța CORNEA	26
Establishment of tests for facilitating screening of drought tolerance in soybean - Georgina KOSTURKOVA, Rositsa TODOROVA, Margarita DIMITROVA, Krasimira TASHEVA	32
Biological control of grown gall in horticulture - Mihail MAGHER, Natalia LEMANOVA, Maria MAGHER	38
Antifungal activity of some lactic acid bacteria isolated from materials of vegetal origin -Adrian MATEI, Calina Petruța CORNEA	42
Ecotechnology for fully recovery of fruit tree wastes through controlled cultivation of eatable mushrooms - Marian PETRE, Violeta PETRE, Ionela RUSEA	48
Studies concerning the <i>in vitro</i> cultivation of some indigenous macromycete species -Gabriela POPA, Mihai Bogdan NICOLCIOIU, Matilda CIUCA, Calina Petruța CORNEA	54
Antifungal activity of four plants against <i>Alternaria alternata</i> -Steliană RODINO, Marian BUTU, Petruța PETRACHE, Alina BUTU, Calina Petruța CORNEA	60
Pests and diseases management using compatible biocontrol bacteria and entomopathogenic fungal strains -Oana-Alina SICUIA, Sorina DINU, Mihaela DINU, Cristina FATU, Daria VALIMAREANU, Carmen MINCEA, Florica CONSTANTINESCU	66
<i>In vitro</i> approaches on the development and proliferative growth of inducing callus from somatic explants of hot chili pepper (<i>C. annuum</i> L. cv. Pintea and the cv. De Cayenne) - Roxana STOICA, Silvana Mihaela DANAILA-GUIDEA, Ioana IORDANESCU, Narcisa BABEANU	73
The effect of sucrose concentration on <i>in vitro</i> callogenesis of golden root – endangered medicinal plant - Krasimira TASHEVA and Georgina KOSTURKOVA	77

Biomass production and wastewater treatment from aquaculture with <i>Chlorella vulgaris</i> under different carbon sources - Katya VELICKOVA, Ivaylo SIRAKOV, Stefka STOYANOVA	83
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----

FOOD BIOTECHNOLOGY

Antioxidant capacity and thin layer chromatography of ethanol extracts of <i>Allium ursinum</i> L. AND <i>Allium bulgaricum</i> L. - Jordanka ALEXIEVA, Dasha MIHAYLOVA, Aneta POPOVA	91
Method for determination of provitamin a in meat based samples - Daniela BALAN, Gabriela LUTA, Evelina GHERGINA1, Florentina ISRAEL-ROMING, Tamara MIHOIU	97
Loss of the integrity in beer aluminium cans - Marius Cristian BODA, Mona Elena POPA	101
Exopolysaccharide production by selected lactic acid bacteria isolated from fermented vegetables - Silvia-Simona GROSU-TUDOR, Medana ZAMFIR	107
Optimization of proanthocyanidine extraction process from <i>Fragaria vesca</i> L. leaves - Van IVANOV, Nadezhda PETKOVA, Atanas PAVLOV, Panteley DENEV	115
Study of the efficiency of the method used for determination of the strain of displacement of rennet gel obtained by various milk clotting enzymes - Petyr PANAYOTOI, Katya YOANIDU, Petya BOYANOVA, Borislav MILENKOV, Kamen DANOV	119
Determination of biologically active substances in taproot of common chicory (<i>Cichorium intybus</i> L.) - Panteley DENEV, Nadezhda PETKOVA, Ivan IVANOV, Biser SIRAKOV, Radka VRANCHEVA, Atanas PAVLOV	124
New approaches to removing alkyl-methoxypyrazines from grape juice and wine -Gary Pickering, Debra Inglis, Andreea Botezatu, Ailin Beh, Eric Humes, Ian Brindle	130
The significance of some flour quality parameters as quality predictors of bread -Ciprian-Nicolae POPA, Radiana-Maria TAMBA-BEREHOIU, Ana-Maria HUTAN, Stela POPESCU	135
Olfactometric characterization of <i>Tamaioasa romaneasca</i> wine come from different wine regions - Luminita VISAN, Ricuta DOBRINOIU, Gabriela MARGARIT, Silvana GUIDEÀ-DANAILA	141
Analysis of fermented lactic acid dairy products enriched with inulin-type fructans Radka VLASEVA, Mihaela IVANOVA, Nadezhda PETKOVA, Mina TODOROVA, Panteley DENEV	145
Study of the strain of displacement variation during the compaction of rennet gel obtained by various milk-clotting enzymes - Petyr PANAYOTOV, Katya YOANIDU, Petya BOYANOVA, Borislav MILENKOV, Dilyana GRADINARSKA	150

INDUSTRIAL AND ENVIRONMENTAL BIOTECHNOLOGY

Preliminary studies on the capacity of some microorganisms for the synthesis of phytases - Andreea DOBRE, Iulian GROSU, Alina Elena BUTU, Calina Petruta CORNEA	159
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----

Active principles with positive effects on lipid metabolism - Diana GROPOILA-CONSTANTINESCU, Ovidiu POPA, Narcisa BABEANU, Gabriela MARGARIT, Andreea ÎNSURATELU	165
Bacterial proteolytic enzymes tested on keratin and collagen based material Florentina ISRAEL-ROMING1, Petruța CORNEA, Evelina GHERGHINA, Gabriela LUTA, Daniela BALAN	169
Concentration and immobilization of a proteolytic complex - Gabriela LUTA, Daniela BALAN, Evelina GHERGHINA, Vasilica SIMION,Florentina MATEI, Stefana JURCOANE	174
Effect of non volatile compounds of <i>Trichoderma spp.</i>against <i>Fusarium graminearum</i>, <i>Rhizoctonia solani</i> and <i>Pythium ultimum</i> - Iuliana RAUT, Mariana CALIN, Gelu VASILESCU, Mihaela BADEA DONI,Tatiana SESAN, Luiza JECU	178
Organic solvent resistance mechanisms in <i>Rhodococcus sp. Po4</i> - Mihaela Marilena STANCU	182
Biopolymers based on renewable resources - a review - Elisabeta Elena TANASE, Maria RÂPA, Ovidiu POPA	188
Bio-filtration step use in drinking water treatment -Dumitru VÂJU, Grigore VLAD, Mihaela HETVARY, Gabriela BAISAN, Sorin Claudiu ULINICI	196

FOOD SAFETY

Inhibitory effect and primary mechanism of proanthocyanidins from grape seeds against acrylamide formation in a maillard reaction model system- HAROLD CORKE, YIZHONG CAI, FAN ZHU, AND KE JINXIA	207
Modern techniques of analysis for the pesticide residues assessment in plant materials - Veronica DRUMEA, Crina SAVIUC, Roxana NITA, Laura OLARIU	211
Romanian consumers' behavior on packaging materials risks perception - Gabriela-Lucica MARGARIT, Diana-Gabriela CONSTANTINESCU-GROPOILA Luminita VISAN	216
Inhibitory effects of essential oils with potential to be used in food industry - Adriana Laura MIHAI, Mona Elena POPA	220
Wine traceability and authenticity – a literature review - Mihai PALADE, Mona-Elena POPA	226
Antifungal action of lactic acid bacteria isolated from plant materials against mycotoxigenic fungi - Oana-Alina SICUIA, Florentina ISRAEL-ROMING, Oana CIOBOTARIU, Adrian MATEI, Medana ZAMFIR, Matilda CIUCĂ, Călină Petruța CORNEA	234
The influence of chilling storage on color, ph and acidity of fruit smoothie beverages - Andreea STAN, Mona Elena POPA	241

MISCELLANEOUS

Hazard analysis and critical control points system optimization in a starch factory Georgiana DECIU, Arina Oana ANTOCE	249
Wet-milling high-amyllose corn in the industrial scale - Georgiana DECIU, Arina Oana ANTOCE	258