

SUMMARY

FRUIT GROWING

1. FERTILIZATION IMPACT ON THE GROWTH AND NUTRITIONAL STATUS OF PEACH PLANTING MATERIAL FROM REDHAVEN CULTIVAR ON GF677 ROOTSTOCK, GROWN IN CONTAINERS - **Vanya AKOVA, Irina STANEVA, Stefan GANDEV** 13
2. FIRE BLIGHT SUSCEPTIBILITY OF PEAR CULTIVARS GRAFTED ON OHF 333 ROOTSTOCK - **Diyana ALEKSANDROVA, Petar CHAVDAROV, Marieta NESHEVA** 19
3. SUSCEPTIBILITY OF PEAR CULTIVARS AFTER INOCULATION WITH BULGARIAN STRAINS OF *ERWINIA AMYLOVORA* - **Diyana ALEKSANDROVA, Artur MIKICIŃSKI** 25
4. REPRODUCTIVE POTENTIAL OF *IN VITRO* RASPBERRY CULTIVARS GROWN ON POORLY PRODUCTIVE SOILS - **Stanislava ATANASOVA, Maria GEORGIEVA, Dyan GEORGIEV** 35
5. SENSORIAL ANALYSIS OF APPLES BEFORE AND AFTER STORAGE IN CONTROLLED ATMOSPHERE CONDITIONS - **Ioana CĂTUNEANU, Andreea STAN, Liliana BĂDULESCU, Dorel HOZA** 39
6. EFFECT OF BIOSTIMULATOR REGOPLANT ON ACCLIMATIZATION OF MICROPROPAGATED GiSe1A 6 CHERRY ROOTSTOCK IN FLOATING SYSTEM - **Nataliya DIMITROVA, Viktorija NIKOLOVA, Diyana ALEKSANDROVA, Lilyana NACHEVA** 49
7. DRYING BLACKCURRANT FRUIT IN A DRYER WITH AN ALTERNATIVE SOURCE OF ENERGY - **Diyan GEORGIEV, Maria GEORGIEVA** 57
8. PRELIMINARY RESULTS REGARDING THE POSTHARVEST PATHOLOGY OF PAWPAW (*ASIMINA TRILOBA* DUNAL) FRUITS - **Elena Ștefania IVAN, Oana Alina NIȚU, Ionuț Ovidiu JERCA, Florin STĂNICĂ** 61
9. STORAGE AND QUALITY OF AUTUMN PEARS, DEPENDING ON THE DOSE OF POST-HARVEST TREATMENT WITH ETHYLENE INHIBITOR 1-MCP - **Oleksandr MELNYK, Olga DROZD** 67
10. INVESTIGATION OF THE BIOCHEMICAL COMPOSITION OF FRUITS FROM TWO GENOTYPES OF SEA BUCKTHORN (*HIPPOPHAE RHAMNOIDES* L.) - **Teodora MIHOVA, Petya IVANOVA** 73
11. LOCAL PLANT RESOURCES OF GENUS *MALUS* IN THE REGION OF TROYAN - **Petko MINKOV, Teodora MIHOVA, Ivan MINEV** 77
12. DETERMINATION OF THE SENSORY QUALITY OF APRICOTS DEPENDING ON THE BIOLOGICAL TREATMENTS IN ORCHARD - **Cristina MOALE, Leinar SEPTAR, Ion CAPLAN, Mirela TITISINA, Mariana TOMA SINGH** 81
13. SIRMA AND PAGANE – NEW BULGARIAN PLUM CULTIVARS - **Marieta NESHEVA, Valentina BOZHKOVA** 87
14. A PERSPECTIVE APRICOT SELECTION FOR THE DOBROGEOA AREA - **Vlăduț Alexandru OPRITĂ** 93

15. PERFORMANCE IN BREEDING SCAB RESISTANT APPLE VARIETIES AT RESEARCH AND DEVELOPMENT STATION FOR FRUIT GROWING VOINEȘTI - Valeria PETRE, Gheorghe PETRE, Adrian ASĂNICĂ	97
16. POST-HARVEST TECHNOLOGIES INFLUENCES IN ORGANIC ‘TITA’ PLUMS QUALITY - Andreea STAN, Mădălina BUTAC, Violeta Alexandra ION, Ioana CĂTUNEANU, Mihai FRÎNCU, Liliana BĂDULESCU	105
17. THE INFLUENCE OF SOME BIOPRODUCTS ON THE YIELD AND CHEMICAL COMPOSITION OF THE PEACHES UNDER THE CONDITIONS OF INTEGRATED PLANT PRODUCTION - Irina STANEVA, Vanya AKOVA, Georgi KORNOV	113
18. THE GRAFTING BEHAVIOR OF THE ‘ANDREEA’ PLUM CULTIVAR GRAFTED ON GENERATIVE ROOTSTOCK WITH INTERMEDIARY - Valeriu ZANFIR, Aurelian Adrian BACIU	119

VITICULTURE AND OENOLOGY

1. STUDY ON THE MATURITY EVOLUTION OF SOME GRAPE VARIETIES FOR ESTABLISHING THE CORRECT HARVEST TIME IN THE CERNAVODA VINE CENTER - Grigore-Valentin BELENIUC, Nicolae GIUGEA, Georgeta BELENIUC	127
2. VRANCEA - NEW VARIETY OF VINE FOR OBTAINING WHITE WINES OF HIGHER QUALITY CREATED AT S.C.D.V.V. ODOBEȘTI - Ionica BOSOI, Liliana ROTARU, Marioara PUȘCALĂU	133
3. STUDY CONCERNING THE INFLUENCE OF SULPHUR DIOXIDE AND DIMETHYL DICARBONATE TREATMENTS IN WINE - Ioana CĂLIN, Camelia Elena LUCHIAN, Lucia Cintia COLIBABA, Elena-Cristina SCUTARAȘU, Andreea POPÎRDĂ, Vlăduț Ion CIMPOI, Cătălin Ioan ZAMFIR, Valeriu V. COTEA	139
4. LONG-TERM EFFECTS OF ORGANIC FERTILIZERS ON MACROELEMENTS STATUS IN GRAPEVINE LEAF ON CALCAREOUS SOIL - Tomislav KARAŽIJA, Mihaela ŠATVAR, Tihana KEŠER, Sanja SLUNJSKI, Boris LAZAREVIĆ, Marko PETEK	149
5. STUDIES ON THE AGROBIOLOGICAL AND TECHNOLOGICAL VALUE OF GRAPE VARIETIES FOR WHITE WINES GROWN IN STEFANESTI WINE CENTRE - Petronela Anca ONACHE, Dorin Ioan SUMEDREA, Andrei TĂNASE, Alina FLOREA	159
6. APPLICATION OF PHEROMON TRAPS FOR THE DYNAMIC TRACKING OF <i>LOBESIA BOTRANA</i> FLYING IN VINEYARDS - Boyan STALEV	169

VEGETABLE GROWING

1. ASSESSMENT OF STEVIA (<i>STEVIA REBAUDIANA</i> B.) SEEDS VITALITY IN THE CONDITIONS OF BULGARIA - Stanislav BOJIMIROV, Tzvetan KIKINDONOV, Ahmed MEHMED	177
2. SILICON TREATMENT EFFECTS ON <i>TETRANYCHUS URTICAE</i> AND PHYSIOLOGY OF ZUCCHINI PLANTS - Adelina HARIZANOVA, Lyubka KOLEVA-VALKOVA, Atanaska STOIEVA, Atanas SEVOV	183
3. INFLUENCE OF BIOCHAR AND MANURE FERTILIZATION ON THE MICROBIOLOGICAL ACTIVITY OF AGRICULTURAL SOIL - Boyka MALCHEVA, Vera PETROVA, Milena YORDANOVA, Pavlina NASKOVA, Dragomir PLAMENOV	191

4. MANIFESTATION OF RESISTANCE TO SOME PATHOGENIC FUNGI AND PRODUCTIVITY CHARACTERISTICS IN TOMATOES - Nadejda MIHNEA, Galina LUPASCU, Costel VINATORU, Viorica LAGUNOVSKI LUCHIAN	199
5. GENOTYPE RESPONSE OF DIFFERENT PEPPER VARIETIES TO THE ACCELERATED AGING TEST OF THE SEEDS - Nikolay PANAYOTOV, Dorota JADCHAK	207
6. PRODUCTIVITY AND ELEMENTS OF THE YIELD OF CARROT SEEDS IN THE APPLICATION OF DIFFERENT REGIMES OF FERTILIZATION - Nikolay PANAYOTOV, Alexander TRAYANOV	215
7. THE INFLUENCE OF COVER CROPS AND ANTAGONISTIC FUNGI ON THE HEALTHINESS OF CARROT (<i>DAUCUS CAROTA</i> L.) – Elżbieta PATKOWSKA, Elżbieta MIELNICZUK, Agnieszka JAMIOLKOWSKA	223
8. MACROELEMENTS STATUS IN LETTUCE AFFECTED BY DIFFERENT FORMS OF PHOSPHORUS FERTILIZATION - Marko PETEK, Lucija KRVAVICA, Tomislav KARAŽIJA, Jana ŠIC ŽLABUR, Mirjana HERAK ĆUSTIĆ	227
9. IMPACT OF BIOLOGICAL FERTILIZER ON THE ANATOMICAL STRUCTURES OF SHEET FROM LEAF LETTUCE (<i>LACTUCA SATIVA</i>) - Tzenka RADOUKOVA, Krasimir TODOROV, Kostadin KOSTADINOV, Stoyan FILIPOV	235
10. STUDY OF THE VEGETATIVE BEHAVIOUR AND PRODUCTIVITY OF SOME GENOTYPES OF FABA BEAN (<i>VICIA FABA</i> L.) - Nikolina SHOPOVA, Miroslav PAVLOV, Nikolay PANAYOTOV, Dimka HAYTOVA	245
11. CLIMATE ANALYSIS AND EFFECTS OF ABIOTIC STRESS ON SALAD GROUNDED IN UNDERGROUND GREENHOUSE AND OUTDOOR AND EFFECTS OF ORGANIC FERTILIZERS IN THE FIGHT WITH STRESS FACTORS - Desislava SLAVCHEVA-SIRAKOVA, Nadezhda SHOPOVA, Kostadin KOSTSDINOV, Stoyan FILIPOV, Katya VELICHKOVA	251
12. PATHOGENICITY AND VIRULENCE OF SOME STRAINS OF <i>CLAVIBACTER MICHIGANENSIS</i> SUBSP. <i>MICHIGANENSIS</i> FROM ROMANIA - Mariana-Simona STANCU, Rodi MITREA	261
13. THE EFFECTS OF BIOCHAR ON THE GROWTH AND YIELD OF ZUCCHINI (<i>CUCURBITA PEPO</i> VAR. <i>GIRAUMONTIA</i> FILOV) - Milena YORDANOVA, Vera PETROVA, Tsvetelina NIKOLOVA	267
14. SPREAD OF STOLBUR IN SOME TOMATO VARIETIES AND INDICATORS OF THEIR PRODUCTIVITY - Irina ZAMORZAEVA, Aighiuni BAHSEV, Nadejda MIHNEA	273

FLORICULTURE, ORNAMENTAL PLANTS, DESIGN AND LANDSCAPE ARCHITECTURE

1. ROLES OF SPRAYING AMINO ACIDS AND CHELATED MAGNESIUM ON GROWTH, FLOWERING AND PRODUCTION OF CORMS OF <i>FRESSIA HYBRIDA</i> - Jamal Ahmed ABBASS, Mushtaq Talib Hammadi AL-ZURFI, Laith Jaafar Hussein HNOOSH, Ahmed Abdul ALI, Ahmed Ali ABBAS	281
2. MORPHOLOGICAL AND PHYSIOLOGICAL PARTICULARITIES OF HOSTA LEAVES VARIETIES CULTIVATED IN ROMANIA - Ruxandra Ileana AELENEI, Monica Luminița BADEA, Ana Cornelia BUTCARU, Liliana BĂDULESCU, Florin TOMA	287

3.	MORPHOMETRIC AND MORPHOLOGICAL ANALYSES OF <i>ANACAMPTIS X TIMBALI</i> NOTHOSUBSPECIES <i>REINHARDII</i> , A NEW ORCHID HYBRID POPULATION TO ROMANIA - Nora Eugenia D. G. ANGHELESCU, Alina E. ROVINA, Mihaela I. GEORGESCU, Sorina A. PETRA, Florin TOMA	293
4.	PARTIAL RESULTS OBTAINED ON PROPAGATING HERBACEOUS PEONY FROM GREEN SHOOTS CUTTINGS - George Nicolae CAZAN, Sorina PETRA, Florin TOMA	305
5.	PHYSIOLOGICAL PARAMETERS CHANGES IN TULIP BULBS DURING COLD STORAGE - Daniela ENCIU (BUNICELU), Ioana CĂTUNEANU, Liliana BĂDULESCU, Florin TOMA	313
6.	SOME METHODS OF IDENTIFYING SURFACES WITH COMPACT SOILS FROM RESIDENTIAL AREAS - Feodor FILIPOV, Elena-Liliana CHELARIU	321
7.	ANALYSIS OF THE EXISTING RESEARCH REGARDING THE USE OF THE SPECIES <i>ROSA CANINA</i> L. - Paula IANCU, Rodica SOARE, Maria DINU, Marin SOARE, Dorina BONEA, Mihaela POPESCU	325
8.	INFLUENCE OF WEATHER AND MINERAL FERTILIZERS ON GROWTH, FLOWERING AND FLOWER QUALITY OF CHINA ASTER IN THE NORTHEASTERN FOREST-STEPPE OF UKRAINE - Andrii MELNYK, Tetiana MELNYK, Oksana SURGAN, Volodymyr TOKMANS, Jones AKUAKU	333
9.	PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY OF WATER EXTRACTS FROM <i>ROSA DAMASCENA</i> PETALS GROWN IN KAZANLAK VALLEY, BULGARIA - Nadezhda PETKOVA, Mima TODOROVA, Neli GROZEVA, Maria GERDZHIKOVA	345
10.	SARMIZEGETUSA REGIA BETWEEN AN ARCHAEOLOGICAL SITE AND A NATURAL PROTECTED AREA. CULTURAL LANDSCAPE AS THE MISSING LINK - Ioana TUDORA, Diana CULESCU	353

MISCELLANEOUS

1.	USE OF VEGETABLE FUNCTIONAL INGREDIENTS TO ACHIEVE HYPOGLYCEMIC BREAD WITH ANTIOXIDANT POTENTIAL, FOR DIABETICS - Anda-Grațiela BURNETE, Luminița CATANĂ, Monica CATANĂ, Monica-Alexandra LAZĂR, Răzvan Ionuț TEODORESCU, Adrian Constantin ASĂNICĂ, Nastasia BELC	367
2.	CONTENT IN BIOACTIVE COMPOUND AND ANTIOXIDANT CAPACITY OF FLOURS OBTAINED FROM WINEMAKING BY-PRODUCTS - Luminița CATANĂ, Monica-Alexandra LAZĂR, Monica CATANĂ, Anda-Grațiela BURNETE, Răzvan Ionuț TEODORESCU, Adrian Constantin ASĂNICĂ, Anca Petronela ONACHE, Dorin SUMEDREA, Nastasia BELC, Nicolae-Valentin VLĂDUȚ	375
3.	THE MAHALEB CHERRY (<i>PRUNUS MAHALEB</i> L.) - A SPECIES SPECIFIC TO DOBROGEA'S PLATEAU - Voichița TIMIȘ-GÂNSAC, Adrian PETICILĂ, Lucian DINCĂ	383
4.	PRELIMINARY STUDY REGARDING THE USE OF MEDICINAL AND DECORATIVE PLANTS IN THE CONCEPT OF PERI-URBAN GARDENS WITH ROLE ON ENVIRONMENTAL PROTECTION - Ana-Maria-Roxana HANGAN, Alexandru COJOCARU, Gabriel-Ciprian TELIBAN, Petronica AMIȘCULESEI, Vasile STOLERU	389
5.	THE USE OF THERMOPHILIC MICROMYCETES IN THE PREPARATION OF SUBSTRATES FOR THE CULTIVATION OF EDIBLE MUSHROOM <i>BICUSPID</i> - Dmitrii ILYIN, Galina ILYINA, Svetlana SASHENKOVA, Elvira POZUBENKOVA	397

6. VALORISATION OF <i>ARONIA MELANOCARPA</i> POMACE FOR DEVELOPMENT OF FUNCTIONAL INGREDIENTS WITH HIGH NUTRITIONAL VALUE AND ANTIOXIDANT CAPACITY - Monica-Alexandra LAZĂR, Monica CATANĂ, Luminița CATANĂ, Anda-Grațîela BURNETE, Răzvan Ionuț TEODORESCU, Adrian Constantin ASĂNICĂ, Nastasia BELC	403
7. JUSTIFICATION OF CONSTRUCTION OF INSTALLATION FOR THERMAL DECOMPOSITION OF BIOMASS - Ivan MITKOV, Manol DALLEV, Galya HRISTOVA, Galin TIHANOV	411
8. RESEARCH ON THE ENTOMOFAUNA STRUCTURE OF COLEOPTERS FROM APPLE TREE PLANTATIONS ACCORDING TO THE GROWING AREA AND IN THE CLIMATE CHANGE CONTEXT - Mihai TĂLMACIU, Nela TĂLMACIU, Mocanu IONELA, Herea MONICA	417