

SUMMARY

FRUIT GROWING

1. BIOCOMPATIBLE MANAGEMENT ON POSTHARVEST DISEASES - Dişana ALEKSANDROVA, Gabor ZSIVANOVITS	17
2. EFFECTS OF BAGGING ON FRUIT DEVELOPMENT AND QUALITY IN ‘KANZI’ APPLES - Orşolya BORSAL, Andrei CRISTEA, Sándor RÓZSA, Tincuţa-Marta GOCAN, Cosmin Alexandru MIHAI, Viorel MITRE, Lehel LUKÁCS	23
3. DIGITAL MANAGEMENT OF ARONIA CROP: THE BENEFITS OF HUMIDITY AND TEMPERATURE MONITORING THROUGH SPECIFIC SENSORS - Anca Maria CHIOREAN, Zsolt JAKAB- ILYEFALVI, Ioan ZAGRAI, Smaranda ROŞU- MAREŞ, Georgeta Maria GUZU, Claudiu MOLDOVAN, Adrian ASĂNICĂ	33
4. FRUIT CHARACTERISTICS OF DIFFERENT AUTOCHTHONOUS CHERRY GENOTYPES SELECTED FOR THE INTERACTION WITH THE PLUM POX VIRUS - Florentina DOBRINESCU, Viorel Cătălin OLTENACU, Ligia ION	39
5. STUDY ON THE IMPACT OF SEMI-TRANSPARENT PHOTOVOLTAIC PANELS IN HORTIVOLTAIC SYSTEMS ON MICROCLIMATE AND STRAWBERRY PRODUCTION IN ROMANIA - Damian DRAGOMIR, Cătălin-Viorel OLTENACU, Dragos Vasile OFRIM, Cristian CĂLINIŢĂ, Bogdan Alexandru OFRIM, Dragoş Mihai OFRIM	44
6. PLANT MATERIAL IN SOME STONE FRUIT SPECIES ROOTSTOCKS - Elena Andreea VOCHIN (DUMITRESCU), Valentina ISAC, Florin STĂNICĂ	54
7. EFFECTS OF DWARFING ROOTSTOCKS ON THE VEGETATIVE AND GENERATIVE DEVELOPMENT OF SEVERAL CHERRY CULTIVARS IN PEDOCLIMATIC CONDITIONS OF BISTRITA FRUIT REGION - Zsolt JAKAB-ILYEFALVI, Daniela-Larisa VLASIN, Anca Maria CHIOREAN, Georgeta-Maria GUZU, Claudiu MOLDOVAN, Smaranda ROŞU-MAREŞ	60
8. POMOLOGICAL AND CHEMICAL CHARACTERIZATION OF SOME SWEET CHERRY VARIETIES GROWN IN URBAN ORCHARD - Lehel LUKACS, Gabriela Maria ROMAN, Ioana MOLDOVAN, Sándor RÓZSA, Tincuţa-Marta GOCAN, Orşolya BORSAL	70
9. THE IMPACT OF CLIMATE CHANGES ON THE PHENOLOGICAL DYNAMICS OF SOME PEAR VARIETIES IN THE MĂRĂCINENI AREA, ROMANIA - Eugenia GHERGHINA (MAREŞI), Mădălina MILITARU, Mădălina BUTAC, Dorel HOZA	81
10. MULTIVARIATE ANALYSIS OF GENOTYPE BY YEAR INTERACTION FOR SOME FRUIT TRAITS IN ROSEHIP (<i>ROSA CANINA</i> L.) - Adina Gabriela MARIŞ, Sorin CIULCA	87
11. THE REACTION OF SOME APRICOT CULTIVARS AND SELECTIONS TO THE ATTACK OF SOME PATHOGENS AND FROST IN THE CONTEXT OF CLIMATE CHANGE - Cristina MOALE, Vlăduţ Alexandru OPRIŢA, Leinar SEPTAR, Ion CAPLAN, Ioan STOLI	98

12. COMPARISON OF QUALITY CHARACTERISTICS OF FRESH AND PROCESSED STRAWBERRIES - Ioana MOLDOVAN, Lehel LUKÁCS, Gabriela Maria ROMAN, Sándor RÓZSA, Tincuța-Marta GOCAN, Orsolya BORSAL	105
13. <i>IN SITU</i> SELECTION OF LOCAL SOUR CHERRY VARIETIES RESISTANT TO THERMOHYDRIC STRESS - Silvia NICOLAE, Corina GAVĂȚ, Mihai CHIVU, Adelina Ioana STAN	114
14. THE ACTION OF PRODUCTS BASED ON NAD, ANA AND BA ON THE FRUIT LOAD CONTROL IN GOLDEN REINDERS APPLE TREES - Ananie PEȘTEANU, Oleg CALESTRU	121
15. THE GROWTH SEASON FOLLOWING BBCH SCALE AND THE GDD REQUIREMENT FOR <i>RUBUS IDAEUS</i> VAR. 'PROMYK'. DURING THE ADAPTATION PERIOD, PLACED IN THE URBAN GARDEN - Alin Laviniu POPA, Anamaria VÂTCĂ, Valentina STOIAN, Mădălina TRUȘCĂ, Ștefania GÂDEA, Sorin VÂTCĂ	129
16. <i>IN VITRO</i> PROPAGATION OF THREE CULTIVARS OF BLUE HONEYSUCKLE (<i>LONICERA CAERULEA</i> L.) - Ana-Maria RADOMIR, Ramona STAN, Dorin Ioan SUMEDREA	141
17. THE EFFECT OF ALTERNATIVE TREATMENT METHODS ON THE EVOLUTION OF THE <i>PHILAENUS SPUMARIUS</i> POPULATION IN GOOSEBERRY CULTIVATION - Liliana-Aurora RĂDULESCU (NICHIFOR), Dorel HOZA	153
18. VARIABILITY OF BIOMETRIC AND BIOCHEMICAL CHARACTERISTICS IN SOME APPLE VARIETIES - Daniela Nicoleta SCEDEI, Olimpia IORDANESCU, Casiana MIHUȚ, Renata SUMĂLAN, Ramona ȘTEF, Carmen DURĂU, Antonela COZMA, Vlad Dragoslav MIRCOV, Maria Mihaela MOATAR, Dacian LALESCU	158
19. BLOSSOMING PHENOPHASE AT SOME APRICOT AND PEACH CULTIVARS DEPENDING ON AIR TEMPERATURE IN SOUTH-EASTERN AREA OF ROMANIA - Leinar SEPTAR, Corina GAVĂȚ, Vlăduț Alexandru OPRÎȚA, Cristina MOALE, Ion CAPLAN, Ioan STOLI	166
20. NITROGEN CONTENT IN APPLE LEAVES UNDER VARIOUS FERTIGATION TREATMENTS IN YOUNG, SEMI-YOUNG AND OLD LEAVES - Antun ŠOKEC, Goran FRUK, Tomislav KARAŽIJA, Martina SKENDROVIĆ BABOJELIĆ, Mihaela ŠATVAR VRBANČIĆ, Kristijan KONOPKA, Boris LAZAREVIĆ, Marko PETEK	172
21. FLORAL BIOLOGY OF SOME AUTOCHTHONOUS SOUR CHERRY GENOTYPES FROM THE GERMPLASM FUND - Ioana Adelina STAN (ZOICAN), Mădălina BUTAC, Dorel HOZA	178
22. REPRODUCTIVE MANIFESTATIONS OF APPLES BY CONVENTIONAL FARMING - Vera STEFANOVA, Galya DOBREVSKA, Manol DALLEV	184
23. PRELIMINARY ASSESSMENT OF SOME MORPHOLOGICAL TRAITS OF JUJUBE FRUITS PRODUCED IN SOUTHERN OLTENIA - Ana-Maria STOENESCU, Florin STĂNICĂ	191
24. DAMAGES ON FRAGARIA ANANASSA VAR. 'SNOW WHITE' CAUSED BY <i>ERWINIA AMYLOVORA</i> AND POTENTIAL OF <i>CHAENOMELES</i> EXTRACT FOR DISEASE CONTROL - Mariya STOYANOVA, Elena GRANCHAROVA, Miroslava VALKOVA, Teodora MIHOVA	199
25. TOWARDS <i>IN VITRO</i> CONSERVATION OF SEVERAL PLUM CULTIVARS (<i>PRUNUS DOMESTICA</i> L.) - Larisa-Daniela STRÎMBU (VLAȘIN), Luminița-Antonela ZAGRAI, Zsolt JAKAB-ILYEFALVI, Ioan ZAGRAI, Georgeta Maria GUZU, Mirela Irina CORDEA	207

26. EVALUATION OF SOME QUALITY PARAMETERS OF ‘ENROSADIRA’ RASPBERRY VARIETY UPON DIFFERENT GROWING SYSTEMS - Monica STURZEANU, Oana HERA, Loredana VÎJAN, Adrian ASĂNICĂ	215
27. THE EFFECT OF PHOTOVOLTAIC SYSTEMS ON BERRIES PRODUCTION. A REVIEW - Lavinia-Mihaela UDREA (ILIESCU), Mirela Florina CĂLINESCU, Ivona Cristina MAZILU, Emil CHIȚU, Florin PLĂIAȘU	223
28. PROXIMATE COMPOSITION AS A FORM OF NUTRITIONAL QUALITY ASSESSMENT OF BANANA PEEL - Ariana-Bianca VELCIOV, Antoanela COZMA, Georgeta-Sofia POPESCU, Virgil-Dacian LALESCU, Daniela STOIN, Laura RĂDULESCU, Maria RADA	236
29. GRAFTING EFFICIENCY OF APPLE TREES IN THE NURSERY BY APPLYING DIFFERENT TECHNOLOGY ELEMENTS - Adelina VENIG, Florin STĂNICĂ, Adrian PETICILĂ	246
30. INVESTIGATING THE RELATIONSHIP BETWEEN WATER/NUTRIENT AVAILABILITY AND YIELD EFFICIENCY IN GRAFTED CHERRY TREES - Adelina VENIG, Florin STĂNICĂ, Adrian PETICILĂ	255

VITICULTURE AND OENOLOGY

1. STUDIES ON THE EVALUATION OF THE PHENOLIC POTENTIAL OF GRAPE POMACE FOR RED WINES - Victoria ARTEM, Cristina CIOBANU, Arina Oana ANTOCE, Ancuta NECHITA, Georgeta TUDOR	265
2. INVESTIGATING THE IMPACT OF CLUSTER LOAD ON THE CHARACTERISTICS OF TWO WHITE WINE GRAPE VARIETIES (‘KIRÁLYLEÁNYKA’/‘FETEASCĂ REGALĂ’ AND ‘KERNER’) - Géza BALLA, Zsolt SZEKELY-VARGA, Attila BANDI, Csaba MOLDOVAN, Endre KENTELKY	272
3. ELICITORS IN VITICULTURE AND THEIR EFFECT IN WINEMAKING: A SUSTAINABLE APPROACH TO CLIMATE RESILIENCE - Traian Ștefan COSMA, Aurora RANCA, Anamaria TĂNASE, Iulia Cristina CIOBANU, Sergiu Ayar ENE, Arina Oana ANTOCE	279
4. RESEARCH ON THE REACTION OF THE CABERNET SAUVIGNON GRAPEVINE VARIETY TO THE VARIABILITY OF CLIMATIC CONDITIONS - Dorin Constantin COSTEA, Daniela Doloris CICHI, Constantin BĂDUCĂ-CÎMPEANU	291
5. EVALUATION OF SOME WHITE WINES’ DYNAMIC VISCOSITY AND CORRELATION WITH OTHER PHYSICAL PARAMETERS - Iuliana CREȚESCU, Giancarla VELICEVICI, Mihaela MĂLĂESCU, Oana MUNTEANU, Raluca HORHAT	298
6. THE INFLUENCE OF CLIMATE VARIABILITY ON GRAPE RIPENING AND QUALITY IN A VINEYARD LOCATED IN MINIȘ-MĂDERAT AREA - Alina Georgeta DOBREI, Eleonora NISTOR, Daniela DOBROMIR, Simion ALDA, Marcel DANCI, Daniela SCEDEI, George Dragoș CONSTANTINESCU, Alin DOBREI	306
7. OPTIMIZING PRODUCTIVITY AND FRUIT QUALITY OF ‘MUSCAT HAMBURG’ CULTIVAR THROUGH PRUNING INTENSITY - Sergiu-Ayar ENE, Ionica DINA, Anamaria TĂNASE, Traian-Ștefan COSMA, Aurora RANCA, Răzvan-Ionuț TEODORESCU	318
8. VALIDATION OF <i>GRAPEVINE PINOT GRIS VIRUS</i> ELIMINATION IN GRAPEVINE BY <i>IN VITRO</i> CHEMOTHERAPY - Ionela-Cătălina GUȚĂ, Elena-Cocuța BUCIUMEANU	326

9. INVESTIGATION OF THE PHENOLOGICAL PHASES OF THE PINOT NOIR CLONE 777 UNDER THE INFLUENCE OF CLIMATE CHANGE IN THE SOUTHERN VINE-GROWING REGION IN BULGARIA - Marko MIHAYLOV, Boyan STALEV	334
10. STUDY ON THE OENOLOGICAL POTENTIAL OF SOME NATIVE YEASTS STRAINS ISOLATED FROM WINE CENTER ȘTEFĂNEȘTI - Petronela Anca ONACHE, Andreea Elena MANOLESCU, Dorin Ioan SUMEDREA, Andrei TĂNASE, Stan BONTEA	339
11. EVALUATION OF THE TECHNOLOGICAL POTENTIAL OF WINE GRAPE VARIETIES IN THE CONTEXT OF CLIMATE CHANGE IN THE DEALU MARE VINEYARD - Liliana PÎRCĂLABU, Steliana Paula BARBU, Marian ION, Georgeta TUDOR, Alexandra BUCUR	345
12. RESEARCH ON THE AGROBIOLOGICAL AND TECHNOLOGICAL VALUE OF SOME OLD ROMANIAN VINE VARIETIES IN THE CONTEXT OF CLIMATE CHANGES IN THE ODOBESTI VINEYARD, VRANCEA COUNTY - Marioara PUȘCALĂU, Ionica BOSOI, Alina Camelia DÎRLOMAN	351
13. INFLUENCE OF SOME SOIL HERBICIDES ON THE VEGETATIVE MANIFESTATIONS OF GRAFTED CUTTINGS OF SIYANA VINE VARIETY - Svetlana STOYANOVA, Galina DYAKOVA, Ralitsa MINCHEVA, Evgeniya ZHEKOVA	360
14. RESEARCH ON THE TECHNOLOGICAL CHARACTERISTICS OF SELECTED CLONAL ELITES FROM TWO POPULATIONS OF TABLE GRAPE VARIETIES UNDER THE CONDITIONS OF THE MURFATLAR VINEYARD - Anamaria TĂNASE, Aurora RANCA, Ana NEGRARU, Traian Ștefan COSMA, Ayar-Sergiu ENE, Ionica DINA, Traian Ciprian STROE	368
15. CHEMICAL WEED CONTROL IN FRUIT-BEARING TABLE GRAPE VINEYARDS (<i>VITIS VINIFERA</i> L.) - Iliyan ZHELYAZKOV	374

VEGETABLE GROWING

1. RESEARCH ON FEED BACK REACTIONS OF PLANTS SUBJECTED TO EXTERNAL FREQUENCY FIELDS FROM AN EPIGENETICAL POINT OF VIEW - Maria ADOCHIȚEI, Adrian CHIRA, Daniel NAGY, Constantin PĂUN, Ligia ION	385
2. EVALUATION OF THE INTEGRATED EFFECTS OF SOIL MANAGEMENT AND FERTILIZATION STRATEGIES ON THE GROWTH, YIELD AND QUALITY OF SWEET PEPPER (<i>CAPSICUM ANNUUM</i> L.) CULTIVATED IN POLYETHYLENE GREENHOUSES - Dan-Ioan AVASILOAIEI, Claudia BĂLĂIȚĂ, Carmina BENCHEA, Gabriel-Alin IOSOB, Emilian MIREA, Mariana CALARA	391
3. MATHEMATICAL MODELING IN THE APPLICATION OF BIOFERTILIZERS IN BELL PEPPER CROPS - Claudia BĂLĂIȚĂ, Mariana CALARA, Ionuț STOICA, Ana-Maria GEORGESCU, Dumitru RĂDUCANU, Elena Maria DRĂGHICI	401
4. THE RESPONSE OF SOME CHERRY TOMATO HYBRIDS TO FOLIAR FERTILIZATION - Alexandra BECHERESCU, Gheorghita HOZA, Florin SALA	409
5. ASSESMENT OF VARIOUS CONCENTRATION OF SALICYLIC ACID IN TISSUE CULTURE <i>IN VITRO</i> SYSTEMS FOR THEIR EFFECT ON MODULATING ABIOTIC STRESS TOLERANCE MECHANISMS IN PEPPER (<i>CAPSICUM ANNUUM</i> L.) PLANTS - Tina Oana CRISTEA, Gabriel-Alin IOSOB, Creola BREZEANU, Petre Marian BREZEANU, Claudia BĂLĂIȚĂ, Mariana CALARA, Dan Ioan AVASILOAIEI	417

6. CARBON FOOTPRINT OF LETTUCE GROWN WITH MINERAL AND BIOLOGICAL FERTILIZATION IN GREENHOUSES. - Dimitar Dimitrov, Kostadin KOSTADINOV, Stoyan FILIPOV	423
7. THE INFLUENCE OF MICROORGANISMS ON THE QUANTITATIVE AND QUALITATIVE CHARACTERISTICS OF TOMATO FRUITS - Claudia-Loredana DRAGOMIR, Gheorghita HOZA, Alexandra BECHERESCU, Mihaela PARASCHIV, Claudia NICOLA, Mihai FRÎNCU, Liliana BĂDULESCU, Dorel HOZA	433
8. PHYSICO-CHEMICAL CHARACTERISTICS OF WATERMELON FRUITS (<i>CITRULLUS LANATUS</i>) OF GENOTYPES CULTIVATED ON SANDY SOILS IN SOUTHWESTERN ROMANIA - Felicia-Constantina FRĂTUȚU, Ștefan NANU, Cristina BÎRSOGHE, Alina-Nicoleta PARASCHIV, Loredana-Mirela SFÎRLOAGĂ, Maria-Diana ILINA	444
9. CONVENTIONAL AND BIOLOGICAL CONTROL OF PESTS IN PEPPERS AND EGGPLANTS CROPS IN THE GREENHOUSE. A REVIEW - Simona HOGEA, Gabriela Șovărel	450
10. PARAMETRIC EVALUATION OF POD YIELD STABILITY IN BUSHING SNAP BEAN (<i>PHASEOLUS VULGARIS</i> L.) - Corneliu IACOB, Sorin CIULCA	458
11. CORRELATION BETWEEN CLIMATIC FACTORS AND DYNAMICS OF PATHOGENS AND PESTS: A CASE STUDY IN CABBAGE CROPS - Gabriel-Alin IOSOB, Tina Oana CRISTEA, Petre Marian BREZEANU, Claudia BĂLĂIȚĂ, Alexandru BUTE, Dan Ioan AVASILOAIEI	466
12. RESPONSE OF TARRAGON (<i>ARTEMISIA DRACUNCULUS</i> L.) TO THE APPLICATION OF ZINC SULFATE AND GLYCINE BETAINE UNDER WATER STRESS CONDITIONS - Soheil KHANCHI, Asad ROKHZADI, Sirwan MOHAMMDIAZAR, Elena Maria DRĂGHICI	473
13. PRODUCTION OF POLYPHENOLIC COMPOUNDS WITH HIGH ANTIOXIDANT ACTIVITY IN <i>MELISSA OFFICINALIS</i> L. CALLUS LINE - Elena Monica MITOI, Alexandra Gabriela CIOCAN, Florentina ALDEA, Irina HOLOBIUC	479
14. SCREENING OF GENE EXPRESSION ASSOCIATED WITH SALINITY AND UVB TOLERANCE IN LOCAL TOMATO LANDRACES - Lia ȘERBAN (MLADIN), Oana SICORA, Tunde JAKO, Cosmin SICORA, Monica HÂRȚA, Mirela Irina CORDEA	488
15. EFFECTS OF MONTMORILLONITE-ENRICHED HYDROGELS ON LETTUCE MORPHOLOGY UNDER DROUGHT STRESS - Ion NIȚU, Elisabeta Elena POPA, Amalia Carmen MITELUȚ	498
16. INFLUENCE OF CONVENTIONAL AND BIOLOGICAL CONTROL ON POSTHARVEST QUALITY OF TOMATOES - Mihaela PARASCHIV, Gabriela ȘOVĂREL	505
17. <i>ALLIUM CEPA</i> SEEDLINGS RESPONSE TO STRESS GENERATED BY CHEMICALS - Andreea Adriana PETCOV, Florin SALA	517
18. CONTENT OF MICROELEMENTS IN FRENCH BEAN PODS FROM DIFFERENT CULTIVATIONS - Marko PETEK, Ema KLARIĆ, Sanja FABEK UHER, Antun ŠOKEC, Szilvia VERES, Šic Žlabur JANA	525
19. THE INFLUENCE OF GENOTYPE AND ENVIRONMENTAL FACTORS ON THE NUTRITIONAL COMPOSITION OF <i>ROSA CANINA</i> L. FRUITS - Rodica SOARE, Cristina BĂBEANU, Maria DINU	532
20. APPLICATION OF WEB-BASED TOOLS FOR DOCUMENTATION OF HORTICULTURE LOCAL VARIETIES - BULGARIAN AND SLOVAKIAN EXAMPLE - Nikolaya VELCHEVA, Asya STOYANOVA-DOYCHEVA, Pencho MALINOV, Sebiha MADANSKA, Ľubomír MENDEL, René HAUPTVOGEL	538

21. INNOVATIVE TECHNIQUES FOR MONITORING AND EFFICIENT MANAGEMENT OF THE BULGARIAN GENE BANK - Nikolaya VELCHEVA, Gergana DESHEVA, Katya UZUNDZHALIEVA, Asya STOYANOVA-DOYCHEVA, Lyubka DOUKOVSKA, Valko NESHEV	544
22. EVALUATION OF THE COMBINING ABILITY AND HETEROSIS IN EGGPLANT PARENTS FROM BRGV BUZĂU FOR OBTAINING VALUABLE F1 HYBRIDS - Costel VÎNĂTORU, Adrian PETICILĂ, Bianca MUȘAT, Camelia BRATU, Geanina NEGOȘANU, Matilda POPESCU	551
23. GLOBAL DEVELOPMENT TRENDS AND STRATEGIC OUTLOOK OF VERTICAL AGRICULTURE - Qichang YANG, Florin STĂNICĂ, Yuxin TONG, Bateer BAIYIN	558

FLORICULTURE, ORNAMENTAL PLANTS, DESIGN AND LANDSCAPE ARCHITECTURE

1. THE BEHAVIOR OF <i>ARUM ITALICUM</i> MILL. IN IAȘI ECOLOGICAL CONDITIONS (NORTHEASTERN ROMANIA) - Lucia DRAGHIA, Maria CANTOR, Maria APOSTOL, Roberto-Renato BERNARDIS, Iulia MINEAȚĂ	565
2. MORE THAN JUST AESTHETICS: QUANTIFYING THE MONETARY VALUE OF TREE ALIGNMENTS IN “CATACUZIO” PARK FROM FLOREȘTI – PRAHOVA COUNTY - Cristina DRĂGHICI, Diana Lavinia CULESCU	573
3. CENOLOGY, ECOLOGY AND DISTRIBUTION OF POPULATIONS OF <i>VIOLA HYMETTIA</i> BOISS & HELDR. (VIOLA, SECT. MELANIUM) ON THE SANDS OF SOUTHERN OLTENIA, ROMANIA - Paula IANCU, Mariana NICULESCU	583
4. THE ROLE OF RESIDENTIAL GREEN SPACES IN ENHANCING WELL-BEING, BIODIVERSITY, AND SUSTAINABILITY: A CASE STUDY OF IAȘI, ROMANIA - Ana-Maria-Roxana ISTRATE, Clara-Teodora BALAN, Mirela COJOCARIU	590
5. <i>DENDROBIUM ANTENNATUM</i> LINDL. MICROPROPAGATED UNDER THE INFLUENCE OF VARIOUS CONCENTRATIONS OF FERBANAT L® - Endre KENTELKY, Zsolt SZEKELY-VARGA, Csanád Tas SZABÓ, Andrea TILLYNÉ-MÁNDY	599
6. DESIGNING A PRIVATE GARDEN WITH AN ORNAMENTAL AND UTILITARIAN CHARACTER - Manuela MANDA, Carmen NICU, Ruxandra BĂLUȚĂ, Andreea TRIF	611
7. RESILIENCE OF URBAN TREES TO EXTREME WEATHER IN BUCHAREST, ROMANIA - Cristina Rodica MĂNESCU, Elisabeta DOBRESCU, Ana VIȚA	617
8. LAVENDER GROWTH AND FLOWERING IN COMPARATIVE PLANTING METHODS - Cristina Rodica MĂNESCU, Elisabeta DOBRESCU, Iona LICSANDRU	625
9. THE AUTUMN LEAF CHROMATICS OF FRUIT TREE SPECIES AND THEIR AESTHETIC EFFECT - Andreea MELINESCU, Sina COSMULESCU	632
10. <i>TULIPA HUNGARICA</i> BORBÁS – CONSERVATION STATUS, SPECIES DISTRIBUTION AND POTENTIAL THREATS - Luiza Silvia MIHAI, Marilena ONETE, Tiberiu SAHLEAN, Minodora MANU, Simona MIHĂILESCU	639
11. INFLUENCE OF SOME FERTILIZERS ON THE GROWTH AND FLOWERING OF <i>CROSSANDRA INFUNDIBULIFORMIS</i> (L.) NEES PLANTS - Carmen NICU, Manuela MANDA	647

12. THE INFLUENCE OF SUBSTRATE TYPE ON THE MORPHOLOGICAL AND ORNAMENTAL CHARACTERS OF SOME VARIETIES OF <i>IPOMOEA BATATAS</i> GROWN IN CONTAINERS - Alina-Stefana OZARCHEVICI, Irina CARA, Gerard JITĂREANU, Bogdan-Ionel CIOROIU, Maria APOSTOL, Lucia DRAGHIA	654
13. SPREAD AND STABILITY OF ORNAMENTAL ALIEN PLANT SPECIES ON URBAN AND PERI-URBAN RIVERBANKS OF BUCHAREST, ROMANIA - Maria RAICU, Mihaela URZICEANU, Petronela CAMEN-COMĂNESCU, Florin TOMA	665
14. THE MORPHOLOGICAL STRUCTURE OF THE RENEWAL BUD IN <i>KNIPHOFIA NELSONII</i> MAST. - Irina SFECLĂ	674
15. RESEARCH ON THE IMPACT OF THE GROWING MEDIUM ON PRODUCTION AND QUALITY OF <i>GERBERA HYBRIDA</i> FLOWERS IN PROTECTED CULTIVATION - Ioana Andra VLAD, Laviniu Ioan-Nuțu BURESCU, Bartha SZILÁRD, Călin Gheorghe PĂȘCUT, Goji GYÖZÖ, Florin-Alexandru REBREAN	682
16. FROM NEGLECT TO VITALITY: LANDSCAPE DESIGN APPROACHES FOR RECONVERTING LOST URBAN SPACES - Ina VLADIMIR (ASIMINEI), Mirela COJOCARIU	687
17. GARDENS DESIGN AS OUTDOOR EVENT SPACES - Cristina ZLATI, Măriuca ȘTIRBAN, Alice CHIHAIA, Roxana PAȘCU	693

MISCELLANEOUS

1. CHARACTERIZATION OF FOREST TREE SEEDS USING VIBRATIONAL SPECTROSCOPY - Luisa ANDRONIE, Ioana POP, Florica MATEI, Iulia COROIAN, Adina TRUȚĂ, Aurelia COROIAN, Stefania ANDRONIE	701
2. COMPARATIVE RESEARCH ON THE SITUATION, STRUCTURE AND ECOLOGICAL INDICES OF ARTHROPOD SPECIES ENCOUNTERED IN SOME FOREST AND APPLE ORCHARDS IN THE NECHIT AREA, NEAMȚ COUNTY - Vasile BARDAN, Nela TĂLMACIU, Ionela MOCANU, Renata SIPOS, Mihai TĂLMACIU, Monica HEREA	706
3. RESEARCH ON THE DEVELOPMENT OF A LOW CARB MINI-BAGUETTE FORTIFIED WITH <i>SPIRULINA</i> POWDER, INTENDED FOR DIABETICS AND OBESE INDIVIDUALS - Luminița CATANĂ, Monica CATANĂ, Anda-Grațiela BURNETE, Monica-Alexandra DĂRĂ, Florica CONSTANTINESCU, Gabriela CRIVEANU, Adrian ASĂNICĂ	715
4. THE CHEMICAL COMPOSITION OF THE ESSENTIAL OIL AND ASSOCIATED HYDROSOL OBTAINED FROM TWO PLANTS OF THE ASTERACEAE FAMILY, <i>SANTOLINA CHAMAECYPARISSUS</i> L. AND <i>TANACETUM VULGARE</i> L. - Raluca CIUBOTĂRAȘU, Monica Luminița BADEA, Oana LIVADARIU, Mihaela PARASCHIV, Dorel HOZA	725
5. EFFECTIVENESS OF META-TOPOLIN IN <i>IN VITRO</i> PROPAGATION AND GENETIC STABILITY ASSESSMENT OF MEDICINAL AND AROMATIC PLANTS - Doina CLAPA, Monica HÂRȚA, Ana Maria RADOMIR, Adrian PETICILĂ, Dorin Ioan SUMEDREA	734
6. STRUCTURAL CHARACTERISTICS OF TREES OBTAINED THROUGH THE TRANSFORMATION OF SILVOPASTORAL SYSTEMS - Ghiță Cristian CRAINIC, Florin Lucian COVACI	743
7. <i>OXALIS ACETOSSELA</i> IN FORESTS. A SYSTEMATIC BIBLIOMETRIC STUDY OVER THE LAST 47 YEARS - Lucian DINCĂ, Vlad CRIȘAN, Gabriel MURARIU, Eliza ȚUPU	756

8. EFFECT OF ESSENTIAL OILS ON QUALITY AND SHELF LIFE OF STRAWBERRIES DURING COLD STORAGE - Sorina DINU, Lavinia-Diana-Nicoleta BUTURUGĂ-BARBU, Maria-Cristina LUMÎNARE, Daniel-Nicolae COJANU, Viorel FĂTU, Oana-Alina BOIU-SICUIA	762
9. CRAFTED BARREL - AGED BEER: TRADITION AND INNOVATION IN FLAVOR EVOLUTION - REVIEW - Mihai FRÎNCU, Corina DUMITRACHE, Diana-Iuliana BĂRBULESCU, Mihaela BEGEA, Carmen-Rodica VRÎNCEANU, Răzvan-Ionuț TEODORESCU	769
10. <i>LEONTOPODIUM NIVALE</i> SSP. <i>ALPINUM</i> (CASS.) BIOTECHNOLOGY APPLIED FOR ECONOMIC AND CONSERVATIVE PURPOSE - Mihaela Irina HOLOBUIC, Alexandra-Gabriela CIOOCAN, Rodica CATANĂ	779
11. <i>EX SITU</i> CONSERVATION OF <i>SERRATULA BULGARICA</i> ACHT. & STOJ. IN THE REPUBLIC OF MOLDOVA - Olga IONIȚĂ, Elena TOFAN-DOROFEEV	788
12. VARIATION AND CORRELATION OF TEXTURAL AND FRUIT MATURITY PARAMETERS DURING STORAGE OF DALINBEL, JONAFREE, AND REAL APPLE CULTIVARS - Ionuț ISTRATE, Florin STĂNICĂ, Adrian ASĂNICĂ, Ana-Cornelia BUTCARU, Liliana TUDOREANU	794
13. TESTING BIOLOGICAL FERTILIZERS USEFUL FOR SUSTAINABLE AGRICULTURE - Oana-Alexandra LUȚU, Nicolae-Alin VINTILĂ, Liliana Cristina SOARE, Codruța Mihaela DOBRESCU	801
14. CARBON STABILIZATION AND SEQUESTRATION PROCESSES IN SOIL THROUGH SYNTHETIC MICROBIOMES – Sorin MATEI, Gabi Mirela MATEI, Sorina DUMITRU, Victoria MOCANU, Monica DUMITRAȘCU	808
15. CLIMATE TRENDS IN OLTENIA. CASE STUDY: DĂBULENI WINE CENTRE - Cristian MĂRĂCINEANU, Maria BĂJENARU, Aurelia DIACONU, Nicolae GIUGEA, Ramona CĂPRUCIU	820
16. UMBRELLA EFFECT OF EUROPEAN PROTECTED SPECIES OVER NATIONAL RED LISTED <i>BETULA HUMILIS</i> SCHRANK - “MESTECĂNAȘUL DE LA COȘNA” AS A NEW NATURA 2000 SITE - Roxana NICOARĂ, Constanța-Mihaela ION, Gabriela TAMAS, Ana-Maria MOROȘANU, Florența-Elena HELEPCIUC, Tiberiu SAHLEAN, Constantin-Ciprian BÎRSAN, Minodora MANU, MIHAELA CIOBOATĂ, Sanda MAICAN, Viorel-Dumitru GAVRIL, Miruna-Maria ȘTEFĂNUȚ, Daniel Ioan MAFTEI, Mirela-Mădălina MOLDOVEANU, Anca MANOLE, Sorin ȘTEFĂNUȚ	828
17. ECOLOGY AND PHYTOSOCIOLOGY OF THE SPECIES <i>CIRSIIUM CANDELABRUM</i> GRISEB. (SECT. <i>CIRSIIUM</i> , <i>ASTERACEAE</i> , <i>CYNAREAE</i>) IN THE UPPER BASIN OF THE GILORT RIVER, CARPATHIANS MOUNTAINS - Mariana NICULESCU, Paula IANCU	840
18. SOME ASPECTS OF THE MORPHO-ANATOMICAL FEATURES OF THE MEDICINAL PLANT <i>ARNICA MONTANA</i> L. - Sorina NIȚU (NĂSTASE), Vasilica LUCHIAN, Monica TOD, Paul ZEVEDEI, Tudor ENE, Virgil NIȚU, Adrian BLAJ	846
19. METHODS OF COMBATING AND CONTROL REGARDING FALSE INDIGO-BUSH IN CLOSE CORRELATION WITH INVASIVE CAPACITY IN THE FORESTRY PLANT COMMUNITIES IN THE JIU-DANUBE CONFLUENCE ZONE - Silvestru Ilie NUȚĂ, Mariana NICULESCU, Călin SĂLCEANU, Paula IANCU, Marin SOARE	854
20. MODELLING THE DISTRIBUTION OF THE RARE, ENDEMIC, TERTIARY RELICT AND VULNERABLE SPECIES <i>SYRINGA JOSIKAEA</i> JACQ. FROM APUSENI MOUNTAINS (WESTERN ROMANIAN CARPATHIANS) - Marilena ONETE, Florian Paul BODESCU, Roxana NICOARĂ, Minodora MANU, Simona MIHAILESCU	862

21. ANTIOXIDANT CAPACITY AND SEASONAL MINERAL COMPOSITION VARIATION IN <i>ARONIA MELANOCARPA</i> FRUITS - Laura POP (CARPESCU), Rui COSTA, Adrian ASĂNICĂ, Stelica CRISTEA, Corina PREDESCU, Dana TĂPĂLOAGĂ, Liliana TUDOREANU	872
22. CONTRIBUTIONS TO THE KNOWLEDGE OF THE DISTRIBUTION OF SOME RARE TAXA IN THE FLORA OF OLTENIA (ROMANIA) - Daniel RĂDUȚOIU	884
23. PRECISION AGRICULTURE EXTENSION MODEL BASED ON INTERDISCIPLINARY COLLABORATION - Dragoș-Ioan SĂCĂLEANU, Adrian ASĂNICĂ, Abigail BORRON, Daniela FAUR, Horia-Nicolae CIOCAN, Gary L. HAWKINS, Ioan-Ștefan SACALĂ, Dan POPESCU, Mihai-Gabriel MATACHE	893
24. FRUITING BIOLOGY OF <i>STAPHYLEA PINNATA</i> L. (STAPHYLACEAE) IN THE REPUBLIC OF MOLDOVA - Irina SFECLĂ, Elena TOFAN-DOROFEEV, Victor SFECLĂ, Vasiliu SLIVCA	900
25. DEVELOPMENT OF PLANT TISSUE CULTURE AND IN DOOR FARMING SYSTEMS IN A CONTROLLED ENVIRONMENTAL CONDITIONS USING LIGHT-EMITTING DIODES (LEDs) FOR THE PRODUCTION OF HIGH VALUE CROPS - Sreeramanan SUBRAMANIAM, Ayyagari RAMLAL	908
26. ASSESSMENT OF <i>BUXBAUMIA VIRIDIS</i> FROM TWO NATURA 2000 SITES: RETEZAT (ROSCI0217) AND RUSCA MONTANĂ -ȚARCU - RETEZAT CORRIDOR (ROSCI0292) - Sorin ȘTEFĂNUȚ, Ana-Maria CORPADE, Claudia DANAU, Miruna-Maria ȘTEFĂNUȚ	914
27. STUDY ABOUT THE INFLUENCE OF GIBBERELIC ACID AND NAPHTHYL ACETIC ACID ON <i>IN VITRO</i> DEVELOPMENT OF FOUR ROMANIAN POTATO VARIETIES - Andreea TICAN, Mihaela CIOLOCA, Monica POPA	920
28. STUDIES REGARDING THE CYTOTOXICITY OF A BIOPRODUCTS BASED ON POLYSACCHARIDES DERIVED FROM <i>PLANTAGO</i> SP. - Marilena-Gabriela OLTEANU ZAHARIE, Nicoleta RADU, Narcisa Elena BĂBEANU, Marinela BOSTAN, Viviana ROMAN	924
29. COMPARISON OF MULTIANNUAL CLIMATIC DATA IN NORTH BUCHAREST REGION, ROMANIA - Ana Cornelia BUTCARU, Cosmin Alexandru MIHAI, Adrian ASĂNICĂ, Florin STĂNICĂ	934