

## SUMMARY

### FRUIT GROWING

<b>Quality assessment of 'southland' cultivar peaches according to certain technological factors of culture and storage - Constanța ALEXE, M. VINTILĂ, Simona POPESCU, Veronica TĂNASA, Liana-Melania DUMITRU, Gh. LĂMURANU, Lenuța CHIRĂ .....</b>	13
<b>Frost resistance of some sweet cherry cultivars in the Bucharest area - Adrian ASĂNICĂ, Valerica TUDOR, Jeni Veronica ȚIU .....</b>	19
<b>The growth and fructification of cherry trees depending on cutting systems - Valerian BĂLAN, Igor IVANOV .....</b>	25
<b>Research concerning the influence of different storage conditions on the preservation capacity of some new apple varieties - Lenuța CHIRĂ, Adrian CHIRĂ, Elena DELIAN, Constanța ALEXE, Lixandru Marin .....</b>	29
<b>The behaviour of some peach cultivars pertaining to the peach world collection in pedoclimatic conditions of Timișoara area - Olimpia Alina IORDĂNESCU, Adriana COSTEA .....</b>	33
<b>The behaviour of some hazelnut varieties in the south area of Timiș county in terms of external features of the fruits - Olimpia Alina IORDĂNESCU, Diana Ramona BRĂDEAN (TODOR), Aurelia BLIDARIU .....</b>	39
<b>Study on starch iodine test for determining maturation stage at several apple cultivars in correlation with climatic factors at SCDP Bistrița using a one year model by means of image analysis in imagej - Zs. JAKAB, I. PLATON, Angela FESTILA .....</b>	43
<b>The quantity of wood eliminated through cutting according to the cultivar and the shape of the head at certain nectarine tree cultivars from the R.S.F.G Constanța - Cristina MOALE .....</b>	51
<b>The behaviour of certain peach tree cultivars towards the attack of the main pathogen agents - Cristina MOALE, Corina GAVĂȚ, Leinar SEPTAR, Ligia ION .....</b>	59
<b>Influence of the drip irrigation on the physical and chemical plums characteristics - Nicoleta OLΤENACU, Cătălin Viorel OLΤENACU .....</b>	67
<b>Contributions regarding the apple trees genetic variability increase in the process of obtaining improving biological material - Valeria PETRE, Gheorghe PETRE .....</b>	71
<b>Peculiarities of growth and fruitfulness of apple cultivars with genetic resistance to diseases grown under high density system - Gheorghe PETRE, Daniel Nicolae COMĂNESCU, Valeria PETRE .....</b>	75

<b>Biotechnological producing of natural fertilizers through microbial composting of fruit wastes</b> - Violeta PETRE, Marian PETRE, Magdalena DUȚĂ .....	81
<b>Impact of foliar fertilizer on physiological compounds in different apricot varieties</b> - Cristina PETRIȘOR, Adrian ASĂNICĂ, Gheorghe CÂMPEANU, Adela BĂRBULESCU .....	87
<b>Study on the accumulation of nutritious substances in gooseberry fruits</b> - Parascovia SAVA .....	91
<b>Agro-morpho-productivity potential of some apricot cultivars in the south-east Romanian plain</b> - Jeni Veronica ȚIU, Sorin Mihai CÎMPEANU, Valerica TUDOR, Adrian ASĂNICĂ .....	95
<b>Behavior in the Bucharest area conditions</b> - Valerica TUDOR, Adrian ASĂNICĂ, Tudora NEAGU .....	101
<b>Thinning and foliar fertilization influence on the yield of idared apple cultivar</b> - Sergiu VĂMĂȘESCU, Valerian BĂLAN .....	107

## **VITICULTURE AND OENOLOGY**

<b>Evaluation of the quality of organically grown grapes in the viticultural center of Murfatlar</b> - Victoria ARTEM, Arina Oana ANTOCE, Ioan NĂMOLOȘANU, Aurora RANCA, Anamaria PETRESCU .....	113
<b>Evaluation of the suitability of several cultivars for organic growing in the viticultural center of Murfatlar</b> - Victoria ARTEM, Arina Oana ANTOCE, Ioan NĂMOLOȘANU, Aurora RANCA, Anamaria PETRESCU .....	119
<b>Studies regarding the food safety management system implementation in production of wine grapes</b> - Georgeta BELENIUC, Constantin Băducă CÂMPEANU, Liliana MIRON, Claudia ȘTEFAN, Jose PARDO .....	125
<b>Taxonomic identification of two yeasts strains isolated from concentrated must and suprasulfited must</b> - Georgeta BELENIUC, Constantin Băducă CÂMPEANU, Florin AONOFRIESEI, Liviu GRIGORICĂ, Jose PARDO .....	129
<b>Influence of climate variability on growth, yield and quality of grapes in the south part of Romania</b> - Georgeta Mihaela BUCUR, L. DEJEU .....	133
<b>Abundance and population dynamics of flavescence dorée phytoplasma vector <i>Scaphoideus titanus</i> Ball on abandoned grapevine in southern Romania</b> - Constantina CHIRECEANU .....	139
<b>A review of the conversion rate in monitoring the marketing performance of retail wine shops</b> - Cătălina CHIVU, Arina Oana ANTOCE .....	145
<b>Application of the conversion rate as an useful tool for assessing and monitoring the marketing performance of a wine shop</b> - Cătălina CHIVU, Liviu DEJEU, Arina Oana ANTOCE .....	153
<b>Implementation of a decision support system for acidity corrections in the framework of precision oenology</b> - George A. COJOCARU, Arina Oana ANTOCE .....	163

<b>Optimization of the alcoholic fermentation by correlating the initial sugar concentration with the inoculum size of yeasts and assimilable nitrogen requirements</b> - George A. COJOCARU, Arina Oana ANTOCE .....	171
<b>Agrotechnics applied to varieties of table grapes grown in vineyard Ștefănești-Argeș</b> - Adriana COSTESCU, Liviu DEJEU, Violeta DINUȚĂ .....	181
<b>Foundation of red wine making strategies on assessment of grapes maturation and maturity</b> - Laura FOTESCU, Aurelia TUDORACHE, Elena BRÎNDUȘE .....	185
<b>Assessment of genotypes and elites of grape vines <i>on farm</i> identified in Drăgășani vineyard</b> - Sergiu Ștefan GORJAN, Mihai BOTU .....	189
<b>The identification of the climate profiles in the viticultural area doc Dealu Mare-Valea Călugărească. The database associated to the climatic profile</b> - Liliana PÎRCĂLABU, Aurelia TUDORACHE .....	195
<b>Influence of soil maintenance systems and fruit load on grapes quality under drought conditions</b> - A. ȘERDINESCU, L. PÎRCĂLABU , L. FOTESCU .....	201
<b>Evaluation of qualitative parameters of table grapes varieties in ecopedoclimatic conditions of the experimental field U.S.A.M.V. Bucharest</b> - Marinela STROE, Carmen BEJAN .....	205
<b>Use of primary ampelographic descriptors in establishing the similarity-difference degree between vine varieties with different origins</b> - Marinela STROE, Marius Cristian ANDREI .....	213
<b>The variability of the antioxidant capacity of red wines in relation with grapevine variety</b> - Aurelia TUDORACHE, Elena BRINDUSE, Roxana PORUMB .....	219
<b>Effect of a new complex of trace elements Microcom-V on some metabolic processes and productivity of <i>Vitis vinifera</i> L .</b> - Sofia VELIKSAR, Simion TOMA, Dumitru BRATCO .....	223
<b>Behavior of vine varieties with biological resistance under the south romanian conditions</b> - Luminița VIȘAN, Ricuța DOBRINOIU, Silvana GUIDEADĂNAILĂ .....	229

## VEGETABLE GROWING

<b>Effect of foliar spraying with zinc and/or gamma radiation on oil content and oil composition of anethum graveolens during three developing stages</b> - Hussein ABDEL-BASIT HUSSEIN SAID-AL AHL, Atef MOHAMED SARHAN, Abou-dahab MOHAMED ABOU-DAHAB, El-Shahat NASR ABOU-ZEID, Mohamed SAYED ALI, Nabila YAHYA NAGUIB .....	239
<b>Floating hydroponic crops proposal: Tonle Sap lake, Cambodia</b> - Vladimir BOC, Ioana STREZA .....	245
<b>The influence of temporary protection on production precocity of eggplants cultivated on sandy soils in southern Oltenia</b> –Elena CIUCIU .....	249

<b>Techniques of companion planting for improving fruit quality and the protection against diseases and pests in tomato culture - Gabriel CORBU, Stefana JURCOANE, Viorica LAGUNOVSCHI LUCHIAN .....</b>	253
<b>The grafting influence on some characteristics at a romanian eggplants collection cultivated in greenhouse - Mădălina DOLTU, Marian BOGOESCU .....</b>	257
<b>Biochemical changes in garden egg (<i>Solanum melongena L.</i>) fruits caused by fungi – Musa Filibus GUGU .....</b>	261
<b>Research regarding the influence of some rooting stimulators on the production of solano-fruiting vegetable seedlings – Gheorghita HOZA .....</b>	265
<b>Effect of foliar fertilizers spray, boron and their interaction on broad bean (<i>Vicia faba L.</i>) yield-Ali Husain Jasim, Amir Sadiq Obaid .....</b>	271
<b>Local population of long hot pepper, 'cornul caprei' improved at V.R.D.S. Buzau-Costel VÎNĂTORU, Bianca ZAMFIR, Camelia BRATU, Petre Marian BREZEANU .....</b>	277
<b>Research concerning the acclimatization and breeding of <i>Momordica cochinchinensis</i>, a Cucurbitaceae species - Costel VÎNĂTORU, Bianca ZAMFIR, Camelia BRATU, Viorica LAGUNOVSCHI .....</b>	281
<b>The impact of biofertilisers on the quality parameters of the pepper fruit (<i>Capsicum annuum L.</i>) in organic agriculture conditions - Veselka VLAHOVA .....</b>	289

## FLORICULTURE, ORNAMENTAL PLANTS, DESIGN AND LANDSCAPE ARHITECTURE

<b>Green infrastructures from the perspective of european institutions - Vladimir BOC .....</b>	297
<b>How to regenerate plantlets from protoplasts of <i>Fritillaria imperialis</i> - Esmail CHAMANI, Seyyed Karim TAHAMI .....</b>	301
<b>Contributions to the development of alternative forms of active recreation - dirt par - Elisabeta DOBRESCU .....</b>	311
<b>Micropagation of of <i>Orchis catasetum</i> - a rare and endangered orchid - Mohammad Vali FAKOURI GHAZIANI, Ahmad BAKER, Naser NEGAHDAR, Behzad KAVIANI .....</b>	317
<b><i>Crambidae</i> associated with parks and ornamental gardens of Bucharest - Cătălin GUTUE, Minodora GUTUE, Ioan ROŞCA .....</b>	323
<b>Identification of male and female <i>Cycas revoluta</i> Thunb. before maturity using morphological and anatomical features - Behzad KAVIANI, Habib MAHTABI, Shahryar SAEDI MEHRVARZ, Mohammad Vali FAKOURI GHAZIANI .....</b>	327

<b>The effect of iron nano-chelate and cycocel on some morphological and physiological characteristics, proliferation and enhancing the quality of <i>Euphorbia pulcherrima</i> Willd</b> - Behzad KAVIANI, Naser NEGAHDAR, Mohammad Vali FAKOURI GHAZIANI .....	337
<b>The gardens of the central school in Bucharest - display of national history and outdoor cultural spaces</b> - Alexandru MEXI, Maria BRATU, Elena GUDUMAC, Daniela LAZAREANU, Luana Andreea SIMION, Violeta RADUCAN .....	343
<b>Using the technique of vegetal endotherapy against the horse chestnut's leaf miner (Lepidoptera: <i>Cameraria ohridella</i> Deschka &amp; Dimie)</b> - Margit PÁL, János BÁLINT, Adalbert BALOG .....	353
<b>Militant ephemeral in Mogosoaia ensemble</b> - Violeta RADUCAN, Ioana STREZA .....	359

#### **MISCELLANEOUS**

<b>The implementation of food safety management system in the horticultural products processing company</b> - Adrian CHIRĂ, Lenuța CHIRĂ, Constanța ALEXE, Elena DELIAN .....	371
---	-----