

## Table of Contents

<b>Adnan Younis, Atif Riaz, Sabi-ul-Hasan, Nouman Mustaq, Mansoor Hameed</b> - Response of <i>Hedera helix</i> (English Ivy) to various salinity levels	1
<b>Ehsan Karimi, Azim Ghasemnejad, Javad Hadian, Raziye Akhundi, Mansour Ghorbanpour</b> - Evaluation of morphological diversity and essential oil yield of <i>Satureja mutica</i> Fisch. & C. A. Mey. populations growing wild in Iran	7
<b>Alexe Constanta, Vintila M., Lamureanu Gh.</b> - Researches regarding the maintaining of the quality of the roses depending on storage temperature	17
<b>Cantor Maria, Singureanu V., Horț Denisa, Buta Erszebet</b> - <b>Heliconias</b> - Novelties and applicability in floral art	22
<b>Cantor Maria, Singureanu V., Buta Erzsebet</b> - Researches concerning the diversification of <i>Callistephus chinensis</i> assortment at the floral collection of UASMV Cluj-Napoca	28
<b>Ceuca V., Colișar A., Ivan Ancuța Maria, Hoble Adela</b> - <i>Pinus cembra</i> L. leading shoots and needles variation from Romanian natural stand samples	35
<b>Ceuca V., Colișar A., Ivan Ancuța Maria, Hoble Adela</b> - <i>Pinus cembra</i> L. cones and seeds variation from Romanian natural stand samples	40
<b>Gocan Tincuța Marta, Andreica Ileana</b> - Correlations between the soluble dry matter and the content of vitamin C in the carrot roots	45
<b>Dima Milica, Diaconu Aurelia, Croitoru Mihaela, Constantinescu Emilia</b> - The influence of climatic conditions on the yield and quality of potato varieties cultivated on sandy soils	49
<b>Croitoru D.C., Baciú A.A.</b> - The influence of the shape crown and of variety on the quince phenological indicators in Oltenia's hilly area	54
<b>Croitoru Mihaela, Diaconu Aurelia, Toma V., Milica Dima, Drăghici Reta, Ciuciuc Elena, Rățoi I. Pintilie I.</b> - Researches regarding determining of sources of carbohydrates and vitamin C in the horticultural products on sandy soils	58
<b>Boja N., Boja F., Darau P. A., Teușdea A.C., Popescu I.</b> - A method to improve the sprinkler irrigation uniformity in forest nurseries	65
<b>Negrean G., Ciortan Ioana</b> - Nemoral habitats from Geopark Plateau Mehedinți (România)	75
<b>Negrean G., Ciortan Ioana</b> - Alien and potentially invasive plants from Geopark Plateau Mehedinți	84
<b>Mălăescu Ioana Mihaela, Dobrei A., Dobrei Alina, Drăgunescu Anca, Velicevici Giancarla, Nistor Eleonora</b> - Studies concerning the development of viticulture on Arad, Timis and Caras-Severin areas	96

<b>Mălăescu Ioana Mihaela, Dobrei A., Dobrei Alina, Drăgunescu Anca, Nistor Eleonora, Velicevici Giancarla</b> - Research concerning the quality of some grapes wine varieties grown in backyards vineyards	104
<b>Crăciunescu A., Moatăr Mihaela, Stanciu S.</b> - Considerations regarding the afforestation fields	108
<b>Crăciunescu A., Moatăr Mihaela, Stanciu S.</b> - Planning research on hydrographic basin Cerna	112
<b>Caprar M., Cantor Maria, Sicora Oana, Copaci Cristina, Sicora C.</b> - Optimization of DNA isolation from four species of <i>Rhododendron</i> from Europe	117
<b>Căprar M., Cantor Maria, Szatmari P., Sicora C.</b> - <i>Rhododendron ferrugineum</i> L. and <i>Rhododendron myrtifolium</i> Schott & Kotschy in habitats from Eastern Alps mountains and Carpathian Mountains	123
<b>Berar C., Silivășan M., Băla Maria, Toța Cristina</b> - Researches concerning landscape development project of a roof garden in Timisoara Municipality	131
<b>Berar C., Silivășan M., Toța Cristina, Fora C.</b> - Researches concerning landscape planning of the banks of the Timis River in Lugoj, Timis County	139
<b>Balint Alina, Cîrciu G., Alexa Ersilia, Cozma Antoanela</b> - Monitoring of nitrogen compounds long ways Timis River basin	144
<b>Cadar N.</b> - National Forest Office of France and his involvement in environmental education	151
<b>Dobrei A., Dobrei Alina Georgeta, Sala F., Nistor Eleonora, Mălăescu Mihaela, Dragunescu Anca, Cristea T.</b> - Research concerning the influence of soil maintenance on financial performance of vineyards	156
<b>Dobrei A., Dobrei Alina Georgeta, Sala F., Nistor Eleonora, Mălăescu Mihaela, Dragunescu Anca, Cristea T.</b> - Correlations concerning the grape must sugar concentration and acidity as a result of soil maintenance influence	165
<b>Dobrei Alina Georgeta, Dobrei A., Sala F., Nistor Eleonora, Mălăescu Mihaela, Drăgunescu Anca, Cristea T., Costea B.</b> - Researches concerning the evolution of grapes ripeness in some varieties from Recaș vineyards	174
<b>Dobrei Alina Georgeta, Dobrei A., Nistor Eleonora, Mălăescu Mihaela, Drăgunescu Anca, Moatăr Mihaela, Cristea T.</b> - Researches concerning the suitability of local wine grape varieties in western of Romania, to obtain certain types of wine	182
<b>Poșta Gh., Berar V., Balint M.</b> - Researches regarding the comparative analysis of the influence of different morphological characters in achieving the yield at broccoli in field conditions at the Didactic Base in Timisoara (Romania)	190
<b>Mansour Ghorbanpour, Atena Alaghemand</b> - Tropane alkaloids elicitation of black henbane parts with calcium and nitrogen application under hydroponics culture	194
<b>Sărac N., Nedelea G.</b> - General and specific combining ability for ear traits in maize	201
<b>Sărac N*1., Nedelea G.</b> - Genetic analysis of plant height in a half diallel population of maize	205
<b>Trava, I. D., Turcu, D.O., Borlea G.F., Hollerbach W.</b> - Experimenting the control of a new pest – <i>Agriotes</i> spp. – in <i>Salix</i> energetic cultures of Western Romania	209

<b>Trava, I. D., Borlea G.F., Hollerbach W.</b> - Identification of the most productive species from the <i>Salix</i> genus and its use in energetic cultures	216
<b>Velicevici Giancarla, Madosa E., Ciulca S., Sumalan R., Ciulca Adriana, Petolescu Cerasela., Lazar A., Cretescu Iuliana, Malaescu Mihaela</b> - Genetic analysis of roots growth in barley ( <i>Hordeum vulgare</i> )	221
<b>Velicevici Giancarla, Madosa E., Ciulca Adriana, Coradini R., Oproi E., Petolescu Cerasela, Malaescu Mihaela, Danci M., Merghes P.</b> - Influence of salt stress upon chlorophyll content at some wheat genotypes	227