

## Table of Contents

<b>Mousa Solgi, Kheirola Dastyari and Ebrahim Hadavi</b> - The Evaluation Effects of Some Vegetative Propagation Methods and Plant Growth Regulators on Bulblet Production Rate in Crown Imperial ( <i>Fritillaria imperialis</i> L.)	1
<b>Apahidean Al. S., Apahidean Al. I., Brîndușa Aniela Rusu</b> - Research on the behavior of autumn grown cauliflower cultivars	7
<b>Apahidean, Al. S., Chiper Lidia-Ioana, Heitz Minerva, Căpușan Janina, Apahidean Al.I.</b> - Study of autumn cabbage cultivation in the specific conditions of Iernut area, Mures county	12
<b>Alexe Constanta, Lamureanu Gh., Pricop Simona</b> - Aspects regarding the vegetative multiplication of Begonia x tuberhybrida plants	16
<b>Brezeanu Creola, Robu T., Brezeanu P. M. , Ambarus Silvica</b> - Promoting Breeding of New Mung Bean Genotypes for Sustainable Agriculture and Food Security	21
<b>Bunta Gh., Toma I., Gorunoiu Gabriela, Pițu S.</b> - The relationship between genotypes, diseases attack, yield and quality in winter wheat in western Romania	24
<b>Conțiu Ioana, Lazăr V., Gocan Tincuța, Cantor Maria</b> - Effect of preservative solutions on morpho-decorative characters of rose cut flowers obtained in soil less culture	34
<b>Conțiu Ioana, Husti Anca, Macavei Laura, Cantor Maria</b> - Evaluation of Pests and Diseases Level of Some Rose Cultivars in Soil less Culture	41
<b>Becherescu Alexandra, Horgoș A., Popa D., Hoza Gheorghîța, Crețu Ioana Alina</b> - Study on the impact of coverage mixture recipe and of some phytosanitary products upon <i>Agaricus bisporus</i> yield, in intensive bizonal system	45
<b>Becherescu Alexandra , Horgoș A., Popa D., Hoza Gheorghîța, Ienciu Anișoara</b> - Study on the impact of culture substratum and fertilization system upon the productive potential of some tomato hybrids cultivated in industrial greenhouses	52
<b>Căprariu Al. D. , Apahidean Maria, Apahidean Al. I.</b> - Research concerning the possibility of improve the onion ( <i>Allium cepa</i> L.) Culture technology by direct sowing in Transylvania	59
<b>Enache V., Baciu A.A.</b> - The effect of low temperatures in Southern Oltenia on fruit plants	65
<b>Enescu C.M., Loghin C.C., Ștefan V.</b> - Wild privet ( <i>Ligustrum vulgare</i> L.): A Multipurpose Species with an important role in Forest Land Reclamation	70
<b>Giugea N., Mărăcineanu L.C., Popa C.</b> - The possibilities of multiple characterization of the ecological potential of a viticulture region by graphic and numerical methods	74
<b>Dinu Maria, Soare Rodica</b> - Researches on the sweet potato ( <i>Ipomea batatas</i> L.)	79

behaviour under the soil and climatic conditions of the South-West of Romania

- Dan Cătălina, Sestras F. Adriana, Bozdog C., Sestras E. Radu** - Estimation of genetic effects implied in apple inheritance of quantitative traits 85
- Fora C.G., Zellner M., Lauer K.F., Stanciu S., Moatăr M., Berar C.** - Monitoring of six *Agriotes* click beetles in areas suitable for the installing of shelterbelts in Banat's plain region 91
- Dobrei Alina Georgeta, Dobrei A., Iordănescu Olimpia, Nistor Eleonora, Balla G., Mălăescu Mihaela, Drăgunescu Anca** - Research concerning the correlation of soil with wines quality in some varieties of wine grapes in Miniș-Măderat vineyards 98
- Dobrei Alina Georgeta, Dobrei A., Nistor Eleonora, Sala F., Mălăescu Mihaela, Drăgunescu Anca, Camen D.** - Research concerning the qualitative potential of the wines obtained from different grape-growing ecosystems 103
- Hermeziu R., Hermeziu Manuela, Stefan Floriana Maria** - New potato varieties created at the National Institute of Research and Development for Potato and Sugar Beet Brasov 108
- Iordănescu Olimpia Alina, Costea Viorica Adriana, Blidariu Aurelia, Olaru Daniela** - Researches concerning vigor of growth by some peach varieties belonging world collection to this species in pedoclimatic conditions of Timisoara 113
- Madoșă E., Velicevici Giancarla, Ciulca Adriana, Avadanei C.** - Study regarding the variability of daffodil's (*Narcissus stellaris* L.) variability from „Bătești protected area” 118
- Alda S., Alda Liana Maria, Cristea T., Gogoasa I., Nita Simona, Negrea Adina, Gergen I.** - Researches regarding the analysis by atomic fluorescence X-ray of scandium content in soil 122
- Alda S., Alda Liana Maria, Cristea T., Gogoasa I., Negrea P., Danci M., Gergen I.** - Researches regarding rubidium content in soil and plants using analysis by atomic fluorescence X-ray 126
- Alecu Anca, Botu M., Burnaz R.** - Research on the way of manifestation of the physiological elements at the *Castanea sativa* Mill identified in the North of Oltenia 130
- Borozan Aurica Breica, Dogaru Diana, Bordean Despina Maria, Moldovan Camelia, Sandoiu I., Dumbrava Delia** - Filamentous fungi variation in the soils from grasslands populated with *a. Capillaris* l from Banat`s Mountains 136
- Dămureanu Andreea Ionela, Baci A.A.** - The influence of climatic factors on the vegetation development phases of peach species (partial observations) 141
- Cosmulescu Sina, Baci A., Gruia M.** - Influence of climatic factors on the phenology spring in Southern Oltenia (Romania) 147
- Cozma Antoanela, Petcu Mihaela, Velicevici Giancarla, Cretescu Iuliana** - Evaluation of physicochemical characteristics on commercially available carrot juice and carrot juice mixed with other fruit 158
- Cîrciu D.V., Manea D.N.** - Weeding levels in grain maize 162
- Glăman, Gh., Lăcătuș, V., Scurtu, I., Vînătoru, C., Floarea Burnichi, Minerva Heitz, Aurelia Diaconu, Gicuța Sbîrciog, Silvica Ambăruș, Luminița Nicoleta Cârstea** - Eating Romanian vegetables with Romanian taste. 166

Supply with Romanian vegetable seeds in the period 2015-2020

<b>Cârciu G., Alda S., Cristea T., Drăgulescu Anca, Turc Alina, Molnar L.</b> - Influence of pre-emergent crop on weeding rate and crop in winter barley	176
<b>Cadar N.</b> - Typological framing of forest from Lunca Muresului Natural Park	181
<b>Cadar N., Chisăliță I., Merce O., Turcu D. O., Cântar I. C., Crăciunescu A., Visoiu D.</b> - The establishment of shelterbelt against the snow cover of national roads in Arad county	186
<b>Beinsan Carmen, Sumalan R., Sumalan Renata</b> - Studies on postharvest quality of some quince genotypes	193
<b>Beinsan Carmen, Sumalan R., Sumalan Renata</b> - The influence of storage conditions on quality in some varieties of pears	197
<b>Buzatu Gilda-Diana, Dodocioiu Ana-Maria</b> - Research regarding agrochemical characteristics and heavy metals content in a vineyard soil	201
<b>Cântar I. C., Chisăliță I., Cadar N., Merce O., Turcu D.</b> - The impact of mining activities from Moldova Noua on forests	207
<b>Cântar I. C.</b> - Forest plantations on the tailing dumps from Moldova Nouă – periurban forest	216
<b>Rățoi I., Toma V., Mihaela Croitoru, Cristina Emanuela Vladu</b> - Research on fertigation culture watermelons on sandy soils	221
<b>Nistor Eleonora, Dobrei Alina, Dobrei A., Camen D., Mălăescu Mihaela, Prundeanu H.</b> - Anthocyanins and phenolics in Cabernet Sauvignon and Pinot noir wines	226
<b>Nistor Eleonora<sup>1*</sup>, Dobrei Alina<sup>1</sup>, Dobrei A.<sup>1</sup>, Camen D.<sup>1</sup>, Mălăescu Mihaela<sup>1</sup>, Prundeanu H.</b> - Red wine benefits and side effects: a Review	230
<b>Olaru Daniela Nicoleta, Iordănescu Olimpia Alina, Blidariu Aurelia, Mălăescu Mihaela, Moatăr Mihaela Maria, David I.</b> - The behavior of some local walnut biotypes in the Western part of Romania	234
<b>Olaru Daniela Nicoleta, Iordănescu Olimpia Alina, Dobrei A., Dobrei Alina, Moatăr Mihaela Maria, David I.</b> - Research upon apricot fruit quality on rod with different generative branches, under green cutting application	238