

## CONTENTS - VOL. L/1/2020

### Working Group No. 1

## PLANT CULTIVATION AND ANIMAL GROWING TECHNOLOGIES

BABEANU CRISTINA, CIOBANU ANDI - Chemical fruit characteristics of four plum ( <i>Prunus domestica</i> L.) cultivars .....	7
BAILESTIANU NORITA ANISIA, MITREA RODI - Research on the variability of quality and productivity traits in some vine varieties in Vârju Mare wine area – Orevita .....	11
BANU IULIANA, ONICĂ ANDREEA MARILENA, APRODUI IULIANA - Millet flour addition improves the quality of the gluten-free breads based on rice flours .....	15
BÎRZANU FELICIA, MITREA ION - Research on the useful entomofauna of some vegetable crops in southern of Oltenia .....	19
BÜHLER CRISTINA, CONSTANTINESCU EMILIA - Studies on the conversion from a conventional agriculture system to an ecological and biodynamic one, within the farm „Terra nostra ecoland farms“ Bailesti, Dolj – Romania .....	25
CICHI DANIELA DOLORIS, CICHI M., GHEORGHIU N. - The current state of the vitiviniculture sector in Romania .....	32
CICHI MIHAI, CICHI DANIELA DOLORIS - The influence of rootstock on the phenological aspect for some apple tree varieties .....	40
CIUCĂ (PARASCHIV) ALINA-NICOLETA, DIACONU AURELIA, POPA DANIELA VALENTINA - Aspects regarding the physiological parameters in some local populations of <i>Capsicum annuum ssp. grossum</i> under stress conditions .....	47
COCOLOŞ (FIRICĂ) MARCELA ALINA, GIUGEÀ NICOLAE, MÂRĂCINEANU ECATERINA - Views on some of the more important weeds from the Corcova viticulture plantations .....	53
COLĂ FLORICA, COLĂ M. - Evaluation of the effects of accelerated body growth and development on the health and fertility of holstein friesian females in the period subsequent to first calving .....	57
COLA M., COLA FLORICA - Study on N.T.G. and Escherichia coli contamination of cattle and pig carcasses .....	63
CONSTANTINESCU EMILIA, COŞERAN (BURNEA) MIHAELA ANCA - The behavior of some local wheat varieties in the ecopedological conditions of the Romanati plain .....	69
DIACONU AURELIA, PARASCHIV ALINA-NICOLETA, NANU ŞTEFAN - Results regarding the tolerance to thermo-hydric stress of some potato lines cultivated on the sandy soils from the south of Oltenia .....	80
DINUĂ NICOLAE CĂTĂLIN, BERCEA IULIAN - The ecological reconstruction through afforestation works on the Runcurelul dump having the area of 27 ha .....	86
DOBRE ȘERBAN CĂTĂLIN - Research on the leaf area through the prism of hybrid x densities x moment of determination interaction to an assortment of the sunflower tested on the chernozem from Caracal .....	91
DRĂGHICI RETA, DRĂGHICI IULIAN, CROITORU MIHAELA, PARASCHIV ALINA NICOLETA - Results regarding the fertilization of the sunflower crop with an effluent obtained by wastewater treatment .....	99
DUBIT DANIELA, BURDUJAN V., RURAC M., MELNIC ANGELA, ROTARI E. - The influence of technological elements on the winter triticale yield .....	107
DUMITRIU DAIANA GRETA, MITREA RODI - Results regarding the influence of the climatic conditions of the year 2020 on the dynamics of the attack of pathogens from the vine culture from the Segarcea viticultural farm, Craiova archdiocese, Dolj county .....	112
DUMITRIU DAIANA GRETA, MITREA RODI - Results regarding the attack of <i>Uncinula necator</i> and <i>Fuckeliana botryotinia</i> in the climate conditions of 2019-2020 from the vine culture from the Segarcea viticultural farm, Craiova archdiocese, Dolj county .....	116
DUNĂREANU IOANA CLAUDIA, BONEA DORINA - Comparative evaluation of some wheat varieties for yield and quality attributes .....	120
DUNĂREANU IOANA CLAUDIA, RADU VALERIU LUCIAN - Sunflower yield and yield components under field conditions of ARDS Simnic .....	127
GHEORGHE CR., COTIGĂ C., SALCEANU C. - Partial results regarding the establishment of the nutrition space for fodder sorghum in the central area of Oltenia .....	132
GHEORGHE CR., COTIGĂ C. - The behaviour of certain sorghum hybrids cultivated for fodder in the central area of Oltenia .....	136

<b>GONȚA LEONTINA MONICA</b> - Biological particularities of some varieties of <i>Corylus avellana</i> of food and decorative importance .....	<b>139</b>
<b>GOȘEA MIHAELA, COTIGĂ C., SĂLCEANU C.</b> - Experimental results on nitrogen fertilizer forms and dosage applications for productivities .....	<b>145</b>
<b>GOȘEA MIHAELA, COTIGĂ C.</b> - Research on the level of nitrogen fertilization on the productivity of mixtures of perennial species specific to the ecopedological area of experimentation S.C.D.A. Simnic-Craiova .....	<b>149</b>
<b>HOROIAS ROXANA, CRISTEA CARMEN MIHAELA, CIOINEAG CRISTIAN FLORINEL, BOROVINA PAUL MIHAIL</b> - Research on mycoflora present on soybean seeds ( <i>Glycine max L.</i> ) ....	<b>153</b>
<b>IANCU PAULA</b> - Biotechnologies and their use in wheat research in Romania .....	<b>156</b>
<b>MANDA MANUELA, NICU CARMEN</b> - Influence of container volume on the plants quality in the production of some <i>Begonia L.</i> species .....	<b>162</b>
<b>MĂRĂCINEANU LIVIU, GIUGEA NICOLAE, MĂRĂCINEANU ECATERINA</b> - Climate trends in Oltenia. Case study: Drăgășani .....	<b>168</b>
<b>MATEI GHEORGHE, VLĂDUT VALENTIN, ISTICIOAIA SIMONA, PARASCHIVU MIRELA</b> - Study on the productive capacity of an assortment of Jerusalem artichoke grown at ARDS Caracal .....	<b>173</b>
<b>PAUNESCU GABRIELA, PETRESCU EUGEN, DOBRE ȘERBAN CATALIN, MARCU CATALIN</b> - Basal sterility of wheat ears - index of sensitivity to delayed spring frozen and its relationship with yield and productivity elements, in the climatic conditions of 2020 year at ARDS Caracal .....	<b>180</b>
<b>RADU VALERIU LUCIAN, BONEA DORINA</b> - Evaluation of grain yield and of some yield traits at different foreign corn hybrids cultivated in central part of Oltenia .....	<b>185</b>
<b>ROSCULETE ELENA, BONCIU ELENA, ROȘCULETE CATALIN AURELIAN, DOBRE ȘERBAN CĂTĂLIN</b> - Study on the yield and productivity elements of an assortment of winter wheat cultivated at ARDS Caracal .....	<b>192</b>
<b>SĂLCEANU CALIN, OLARU LIVIU AUREL, DOBRE MARIAN</b> - Research on the chemical control of the invasive species <i>Ailanthus altissima</i> from pastures .....	<b>198</b>
<b>SALCUDEAN (IONIȚA) THEODORA, ȘTEFAN CAMELINA, MITREA RODI</b> - Quantification of the attack of some pathogens that produce spots on some florical and ornamental plants from different green spaces of Craiova municipality .....	<b>204</b>
<b>STOICA FELICIA, MUÑTEAN CAMELIA, RALUCA POPESCU</b> - Research on the naturalness and authenticity of some wines expressed by main parameters and quality indices .....	<b>210</b>
<b>STOYANOVA SVETLANA, DOCHEV VESELIN, ATANASOV ATANAS</b> - A study on the selectivity and efficiency of a group of herbicides in „Dunaviya” wheat variety .....	<b>216</b>
<b>STROE C.T., BOTU M., BĂDUCA ȘIMPEANU C.</b> - The influence of ageing on lees on the quality of white wines from the Murfatlar vineyard .....	<b>221</b>
<b>STROE C.T., BĂDUCA ȘIMPEANU C., BOTU M.</b> - The influence of maceration duration on the quality of red wines from the Murfatlar vineyard .....	<b>225</b>
<b>CRIȘAN VLAD, MARCU CRISTIANA, DINCA LUCIAN CONSTANTIN</b> - The characteristics of some animal species from Dolj county and the importance of their capitalization .....	<b>230</b>
<b>VOICU LALA</b> - Research on the influence of basic soil tillages and crop care works on biometric parameters and sunflower production .....	<b>236</b>
<b>VOICU LALA</b> - Research on the influence of complex chemical fertilizers on winter wheat crop .....	<b>243</b>

## Working Group No. 2 SOIL SCIENCES

<b>BĂLAN MIHAELA</b> - Study on the situation of anti-erosionally arranged lands for south-west Oltenia region .....	<b>248</b>
<b>COJOCARU OLESEA, BACEAN ION</b> - Risk of influence and manifestation of drought in the Republic of Moldova .....	<b>254</b>
<b>DODOCIOIU ANA MARIA, BUZATU GILDA-DIANA</b> - The influence of fertilizer doses on some indicators of strawberry fruits cultivated at Polovragi, Gorj county .....	<b>262</b>
<b>KUNCHEVA GERGANA SLAVOVA, DIMITROV PETAR DIMITROV</b> - Empirical approach for assessment of soil organic carbon losses by water erosion on calcic chernozem .....	<b>266</b>
<b>KUNCHEVA GERGANA SLAVOVA, ILIEVA DIMITRIA KOSTOVA</b> - Effect of some soil applied herbicides on soil microflora .....	<b>274</b>
<b>MUSTATEA GABRIEL, UNGUREANU E., POPA MONA ELENA</b> - Levels of lead and cadmium on wheat flours on the romanian market: an atomic absorption spectrometry analysis .....	<b>284</b>

<b>POPA ION, GIUGEA NICOLAE</b> - Study of some pedoclimate factors that characterize the vineyard area from Dragasani .....	<b>290</b>
<b>POPA ION, GIUGEA NICOLAE</b> - Study of some pedoclimatic factors that characterize the viticultural area of Samburesti .....	<b>295</b>
<b>POPESCU C.V.</b> - Soil analysis in potato crop production .....	<b>300</b>
<b>POPESCU C.V., SĂLCEANU C.</b> - Nutrient management for proper alfalfa stand establishment .....	<b>306</b>
<b>POPESCU CRISTIAN</b> - General characterization of the main soils in Oltenia area .....	<b>314</b>
<b>POPESCU CRISTIAN</b> - Theoretical aspects regarding some ecological measures to prevent soil degradation .....	<b>319</b>
<b>PRIOTEASA ALINA MARILENA, OLARU LIVIU AUREL</b> - Effects of microgranulate starter fertilizers on grain corn .....	<b>323</b>
<b>RAICU ADRIAN DANIEL, MITREA ION</b> - Plutellaxylostella- a new challenge for rapeseed culture ....	<b>325</b>
<b>TOADER CONSTANTIN, MARILENA MĂRGHITAȘ, ANDRA PORUȚIU, LAVINIA MOLDOVAN</b> - Effect of differentiated fertilization on soil and fodder production obtained on grasslands in the mountain area .....	<b>331</b>
<b>TOADER CONSTANTIN, MARILENA MĂRGHITAȘ, ANDRA PORUȚIU, LAVINIA MOLDOVAN</b> - The effect of organic, organo-mineral, complex and leaf fertilizations on maize in the Transylvania region .....	<b>340</b>
<b>ZAFIU CARMEN, MIHALACHE MIRCEA</b> - Research on the influence of tillage system on the physico-chemical properties of chernozem cultivated with maize from the Urzicuta locality, Dolj county, Romania .....	<b>347</b>

