

## CONTENTS

BARNABÁS WODALA, LANTOS ERIKA, CSISZÁR JOLÁN, MADOŠÁ E.,  
TARI IRMA, VASHEGYI ÁGNES, HORVÁTH F., PÉCSVÁRADI A., SZÁBO  
MARGIT, BARTHA BERNADETT, LAZÁR A., CORADINI GIANCARLA,  
STAIKU MIHAELA, POSTELNICU SIMONA, MIHACEA SORINA,  
NEDELEA G., ERDEI L.

INITIAL RESPONSES TO DROUGHT: APPARENT DIFFERENTIAL  
STRATEGIES OBSERVED IN AN ARRAY OF *BRASSICA* AND *PISUM*  
LANDRACES .....1

BALÁZS G., SZAMOSI C.

EFFECT OF GRAFTING ON MUSKMELON ZIELDS AND ON EARLY  
FRUIT SET .....10

SLEZÁK KATALIN, SZILÁGYI ZSÓFIA, TERBE I.

PEPPER PRODUCTION IN GREENHOUSE BY USING PLASTIC TUBES  
AND BUCKETS FILLED WITH EXPANDED CLAY PELLETS .....15

OROSZ F., TERBE I., FERENCZY A., SLEZÁK KATALIN

THE EFFECT OF COVERING ON DIRECT SEEDED SWEET CORN  
GROWING SEASON .....19

MIHĂIESCU ALEXANDRINA, MATILDA CIUCĂ, GIURA A.

PRELIMINARY SCREENING WITH A RETROTRANSPOSON-LIKE DNA  
SEQUENCE OF THE INTERSPECIFIC HYBRIDS (BARLEY DHL x  
H.BULBOSUM) AND RECOMBINANT DESCENDANTS .....25

GIURA, A.

HAPLOIDS AND DOUBLED HAPLOID LINES PRODUCTION BY ZEA  
SYSTEM IN TRITICUM DURUM AND TRITICALE .....32

TÓTH BEÁTA, MESTERHÁZY Á., VARGA J.

POPULATION GENETICS OF EUROPEAN FHB PATHOGENS AND THEIR  
IMPACT ON BREEDING FOR RESISTANCE .....38

CSOSZ MARIA, TOTH BEATA, KOPAHNKE DORIS, VARGA J.

OCCURRENCE AND PATHOGENICITY OF *PYRENOPHORA TERES* ON  
WHEAT IN HUNGARY .....46

**PURNHAUSER L., CSOSZ MARIA, TOTH BEATA, CSEUZ L., SARAC I., BUTNARU GALLIA**

**PERFORMANCE OF ROMANIAN AND HUNGARIAN CEREAL CULTIVARS FOR DISEASE RESISTANCE .....52**

**DUMITRASCU T.**

**STATION UNITS OF DEGRADED LAND IN THE HYDROGRAPHIC BASIN OF BISTRA MARULUI AND CONSEQUENCES OF DEGRADATION PROCESSES ..... 58**

**IENCIU ANISOARA, LAZUREANU A., ONCIA SILVICA, FAZEKAS P., CARCIU G.**

**ON THE CORRELATION BETWEEN THE GROWTH PARAMETERS OF SOME VEGETATIVE APPLE TREE ORGANS AND THE DRIP IRRIGATION NORM IN THE CONDITIONS OF THE LOW BANAT'S PLAIN (ROMANIA) .....65**

**IENCIU ANISOARA, DRAGANESCU E., ONCIA SILVICA, FAZAKAS P., TARAU D.**

**STUDIES CONCERNING THE NECESSARY RAINFALL WATER IN AN INTENSIVE APPLE TREE PLANTATION IN THE CONDITIONS OF THE LOW BANAT'S PLAIN (ROMANIA) ..... 71**

**COSAC AURELIA CORINA**

**THE PRELEVATION EPOCH OF PEAR (*PYRUS COMMUNIS* L.) BRANCHES AND MERISTEMS .....77**

**IANCU PAULA, SOARE M.**

**THE EVALUATION OF VARIABILITY INDUCED BY GAMMA RADIATIONS ON QUANTITATIVE AN QUALITATIVE TRAITS TO GROUNDNUTS .....81**

**IANCU PAULA, BONCIU ELENA**

**THE INFLUENCE OF RADIATIONS ON THE MITOTIC DIVISION TO GROUNDNUTS .....85**

**PARASCHIVESCU MAGDALENA ROXANA**

**THE EFFICIENCY OF SOME HERBICIDES FOR CONTROLLING THE HERBS IN FIELD-GROWN TREES OF VOINESTI RESEARCH STATION, DAMBOVITA DISTRICT .....89**

**BONCIU ELENA**

**THE CORRELATIONS BETWEEN MORPHOLOGICAL AND PRODUCTIVITY TRAITS TO SUNFLOWER .....93**

**BONCIU ELENA, IANCU PAULA**

**SATURN – THE PROMISING ROMANIAN HYBRID IN SUNFLOWER BREEDING .....97**

**STANCIU S.**

**THE EUROPEAN UNION LEGISLATIVE REFORM PLAN CONCERNING FRUIT AND VEGETABLE SECTORS .....101**

**STANCIU S.**

**CHALLENGES AND OPPORTUNITIES FOR EUROPEAN WINE'S LEGISLATION .....105**

**STANCIU S., STANCIU ALINA ANA**

**ANALYSE OF THE LEGISLATION REGARDING AGRICULTURAL WATER POLLUTION IN THE EUROPEAN UNION .....109**

**STAIKU MIHAELA**

**EFFECTS OF THE LIGHT AND GIBERELIC ACID ACTION ON A-AMYLASE ACTIVITY TIME DEPENDENCE .....116**

**CIOROGA ELENA ADRIANA, NEDELEA G.**

**RESEARCH REGARDING THE PROTEIN CONTENT VARIABILITY IN SOME AUTUMN BARLEY CULTIVARS .....120**

**BUCUREAN EVA**

**THE EFFECT OF CUTTING AT THE APPLE TREE CULTIVATED IN SUPER INTENSIVE SYSTEM REGARDING COPSE CULTIVATION AND FRUIT PRODUCTION IN ORADEA GROWING CONDITIONS .....124**

**BUCUREAN EVA**

**THE BEHAVIOUR OF SOME VARIETIES OF APRICOT TREE NEWLY INTRODUCED IN THE CROP WITHIN ORADEA FRUIT GROWING ECOSYSTEM .....130**

<b>PEJANOVIC R., KRAJINOVIC M., KONSTANTINOVIC B., DELIC S.</b>	
<b>TRANSITION OF AGRICULTURE/ECONOMY IN THE REPUBLIC OF SERBIA (ACHIEVEMENTS, EFFECTS AND LIMITATIONS) .....</b>	<b>137</b>
<b>MADOSA E., NEDELEA G., CIULCA S., AVADANEI C., SULEA DIANA, VELICEVICI GIANCARLA, SASU LAVINIA, CHIS S.</b>	
<b>STUDIES REGARDING THE BREEDING VALUE OF AN ONION LOCAL LANDRACE COLLECTION .....</b>	<b>142</b>
<b>SASU LAVINIA, NEDELEA G.</b>	
<b>STUDIES REGARDING THE BREEDING VALUE OF HOT PEPPER LOCAL LANDRACE COLLECTION .....</b>	<b>146</b>
<b>MURESAN CLAUDIA, CHIS S., PALCU S., IVAN ELISABETA</b>	
<b>THE INFLUENCE OF EXTERNAL ENZYMATIC MIXTURES ON THE PHYSICO-CHEMICAL CHARACTERISTICS OF RED WINES FROM MINIS VINEYARD .....</b>	<b>150</b>
<b>MURESAN CLAUDIA, CIUTINA V., CHIS S.</b>	
<b>THE COMPARATIVE EVOLUTION OF RED WINES TOTAL POLYPHENOLS OBTAINED FROM BURGUND VARIETY IN MINIS AND MURLFATLAR VINEYARD .....</b>	<b>153</b>
<b>PESTEANU A.</b>	
<b>PRODUCTIVITY OF THE APPLE ORCHARD WITH VARIOUS TYPES OF PLANTINGS .....</b>	<b>156</b>
<b>VANC. F, PANDA V., ZARIE A., POPI-MORODAN C.</b>	
<b>RESEARCH CONCERNING THE HYDRIC BALANCE IN THE WESTERN AREA OF THE ZARAND MOUNTAINS .....</b>	<b>160</b>
<b>VANC F., PODRUMAR T., POPI – MORODAN C, VANC ANIȚA, OANA MARIA, DUMA M.</b>	
<b>THE ECOLOGICAL FACTOR IN THE FORECAST OF PLANT PROTECTION .....</b>	<b>165</b>
<b>SILIVASAN M., DRAGANESCU E.</b>	
<b>RESEARCHES REGARDING THE SELECTION OF THE SPECIES AND VARIETIES OF FRUIT TREES FOR PRIVATE GARDENS .....</b>	<b>170</b>

**SILIVASAN M.**

**RESEARCHES REGARDING THE SUSTENABILITY OF SPECIE AND VARIETIES FOR TRAINING IN ARTISTIC ESPALIER SYSTEMS .....175**

**OLARU DANIELA NICOLETA**

**RESEARCHES CONCERNINGTHE EFFECTIVENESS OF HERBICIDES AND MECANICAL PRACTICES APPLIED TO CONTROL WEEDS FROM GRAPEVINE PLANTATION OF DIDACTIC STATION TIMISOARA .....180**

**DANCI M., NEDELEA G., DANCI OANA**

**STUDIES REGARDING PLANTS HIGH VARIABILITY FOR THE CULTIVAR DROPIA'S GAMETOCLONES AND SOMACLONES .....185**

**VELICEVICI GIANCARLA, NEDELEA G.**

**STUDIES CONCERNIG THE CONCORDANCE BETWEEN DIFFERENT METHODS USED FOR TESTING GOLD TOLERANCE OF SOME BARLEY CULTIVARS .....189**

**BALINT S., LAZUREANU A.**

**RESEARCHES CONCERNING THE CONTAMINATION WITH NITRATES, NITRITES AND AMONIUM OF THE SURFACE AND UNERGRAOUND WATER IN THE TIMIS AREA .....193**

**BALINT S., LAZUREANU A.**

**RESEARCHES CONCERNING THE CONTAMINATION WITH HEAVY METALS OF THE SURFACE AND UNERGRAOUND WATER IN THE TIMIS AREA .....200**

**BANCILA MARIUTA, MARINCA C., SIMERIA G., DAMIANOV SNEJANA, CHIARITA RAMONA**

**RESEARCHES CONCERNING STRAWBERRY FRUIT QUALITY AND THEIR BEHAVIOUR UNDER THE ATTACK CAUSED BY VARIOUS DISEASES .....205**

**SABAU I., NEDELEA G.**

**STUDIES CONCERNING THE BEHAVIOR OF SOME WINTER WHEAT VARIETIES CULTIVATED IN CRISURI PLAIN .....209**

**NEDELEA G., SABAU I.**

**RESEARCHES CONCERNING THE YIELDING POTENTIAL AND SOME OF ITS CHARACTERISTICS IN WINTER WHEAT CULTIVATED IN CRISURI FIELD .....215**

**BANCILA MARIUTA, MARINCA C., SIMERIA G., DAMIANOV SNEJANA, CHIARITA RAMONA**

**STUDY UPON THE BEHAVIOR OF NEW STRAWBERRY VARIETIES FOR THE RE-ESTABLISHMENT OF THIS CROP IN BANAT'S AREA .....220**

**VENIG AURORA**

**DIFFERENT APRICOT PARENT STOCKS REVEALING AND SELECTION OF NEW ROOTSTOCKS FOR THE SPECIES APRICOT .....225**

**VENIG AURORA**

**ESTABLISHMENT OF THE SUITABLE PARENT STOCK FOR PLUM AT S.C.D.P. BIHOR**

**LASLAU AMALIA LAURA**

**RESEARCHES CONCERNING THE FRUIT YIELD AND QUALITY OF SOME DWARF TYPE PEACH HYBRID PROGENIES .....234**

**LASLAU AMALIA LAURA**

**EXPERIMENTAL RESULTS CONCERNING THE TREE GROWTH VIGOR OF DWARF TYPE PEACH HYBRID PROGENIES .....240**

**GUDUMAC E.**

**GROWTH AND DEVELOPMENT OF APPLE TREES IN THE FRUIT NURSERY ACCORDING TO THE METHOD OF CROWN FORMATION.....244**

**DOBREI A., MALAESCU MIHAELA, DARABUS RODICA, GHITA ALINA, CRISTEA T.**

**RESEARCHES CONCERNING GROWTH AND WOOD MATURING OF SOME GRAPEVINE VARIETIES CULTIVATED IN BUZIAS-SILAGIU VITICULTURAL CENTER AFTER A COUPLE OF YEARS FORM PLANTING .....248**

**GHITA ALINA, DRAGANESCU E.**

**RESEARCHES CONCERNING GREEN-PRUNING INFLUENCE UPON APRICOTS SIZE .....252**

<b>ALDA S., LAZUREANU A., CARCIU G., MANEA D., ALDA LIANA</b>	
<b>ON THE EFFICACY OF POST-EMERGENT HERBICIDES ON WEEDS IN <i>LOLIUM PERENE</i> CULTIVATED FOR SEED PRODUCTION .....</b>	<b>256</b>
<b>CARCIU G., LAZUREANU A., MANEA D., ALDA S., POPOVICIU LENUTA</b>	
<b>ON THE IMPACT OF SOME HERBICIDES APPLIED AT DIFFERENT TIMES ON EFFICACY AND PRODUCTIVITY IN TWO WINTER WHEAT CULTIVARS .....</b>	<b>260</b>
<b>LAZAR A., NEDELEA G.</b>	
<b>RESEARCHES CONCERNING THE DETERMINATION OF ANTHOCYANIN FRACTIONS USING THIN LAYER CROMATHOGRAPHY FROM <i>VITIS VINIFERA</i> L. CELL LINES .....</b>	<b>265</b>
<b>ALDA LIANA MARIA, LAZUREANU A.</b>	
<b>ON THE IMPACT OF SOME AGRICULTURAL TECHNIQUES ON QUANTITY INDICES IN TWO WINTER WHEAT CULTIVARS .....</b>	<b>269</b>
<b>MOTROC P., LAZUREANU A.</b>	
<b>RESEARCH CONCERNING THE IMPACT OF HERBICIDES AND TILLAGE ON WEEDING AND YIELD IN GRAIN MAIZE .....</b>	<b>276</b>
<b>MUNTEAN DOINA ALEXANDRINA, LAZUREANU A.</b>	
<b>ON THE EFFICIENCY OF HERBICIDES ON WEEDING AND YIELD IN WINTER WHEAT .....</b>	<b>280</b>
<b>BOTAU DORICA, LAZAR A., BUT S.</b>	
<b>CELL BIOMASS PRODUCING TO <i>VITIS VINIFERA</i> IN DIFFERENT SYSTEM CULTURES .....</b>	<b>284</b>
<b>ASAFTEI VASILICA IONELA, BALA MARIA</b>	
<b>THE RESPONSE OF SOME ANNUAL FLOWER SPECIES SEEDLINGS TO DIFFERENT NUTRITIVE SUBSTRATES .....</b>	<b>289</b>
<b>ASAFTEI VASILICA IONELA, BERAR V.</b>	
<b>RESEARCHES CONCERNING VIGOUR INFLUENCE OF ORNAMENTAL VEGETABLE PLANTS OF BRASSICA GENUS UPON PLACING MANNER IN LANDSCAPING .....</b>	<b>293</b>

HERNEA CORNELIA, VISOIU DAGMAR, SARAC I., POSTA DANIELA	
SEED STANDS OF TIMIS COUNTY .....	297
HERNEA CORNELIA	
ASPECTS REGARDING INTRAPOPULATION VARIABILITY OF <i>ACER PSEUDOPLANTANUS</i> STEM CHARACTERISTIC .....	300
HERNEA CORNELIA	
ASPECTS REGARDING INTRAPOPULATION VARIABILITY OF <i>ACER PLATANOIDES</i> STEM CHARACTERISTIC .....	303
HERNEA CORNELIA	
CORRELATION BETWEEN <i>ACER PSEUDOPLATANUS</i> STEAM CHARACTERS .....	306
STEFAN CAROLINA, DAGMAR VISOIU, HERNEA CORNELIA, ASAFTEI IONELA	
TWENTIETH-CENTURY GARDENS OF BRITAIN .....	309
STEFAN CAROLINA, HERNEA CORNELIA, VISOIU DAGMAR, POSTA DANIELA, TARU VIORICA	
PETRODVORETS FOUNTAINS .....	312
BALA MARIA, ASAFTEI VASILICA IONELA, JURJ ARIELA	
POSSIBILITIES OF USING PERENNIAL FLOWER PLANTS IN LANDSCAPING .....	315
BALA MARIA, IORDANESCU OLIMPIA ALINA, PETANEC D.	
CYCOGAN TREATMENTS EFFECT UPON GROWTH AND FLOWERING TO SOME PELARGONIUM SPECIES IN CONDITIONS OF FLORICULTURE DEPARTMENT TIMISOARA .....	319
IORDANESCU OLIMPIA ALINA, MICU ROXANA, SIMERIA G., DAMIANOV SNEJANA, BLIDARIU AURICA, AERTS R., VER BERNE A. ....	323
VER BERNE A., AERTS R., IORDANESCU OLIMPIA ALINA, DRAGANESCU E., MICU ROXANA	
THE INFLUENCE OF PRUNING UPON VEGETATIVE GROWTH TO JONATHAN APPLE TREE VARIETY IN CONDITIONS OF FRUIT TREE PLANTATION OF THE DIDACTIC STATION TIMISOARA .....	327



<b>IODANESCU OLIMPIA ALINA, BALA MARIA</b>	
<b>THE SEASONS SUCCESSION IN FLORAL ART .....</b>	<b>330</b>
<b>BLIDARIU AURELIA, IORDANESCU OLIMPIA ALINA, DRAGANESCU E., MIHUT CASIANA, CHIS S.</b>	
<b>RESEARCH CONCERNING THE POLLEN GERMINATION OF SOME NUT TREE BIOTYPES IN BANAT .....</b>	<b>334</b>
<b>SULEA DIANA, NEDELEA G.</b>	
<b>STUDIES CONCERNING THE VARIABILITY OF SOME YIELD COMPONENTS OF GARDEN PEA (<i>PISUM SATIVUM</i> L.) VARIETIES CULTIVATED IN BANAT'S CLIMATE CONDITIONS .....</b>	<b>337</b>
<b>BORUZ VIOLETA</b>	
<b>CHARACTERIZATION OF THE SPECIES <i>ALCHEMILLA CRINITA</i> .....</b>	<b>342</b>
<b>ILEA R., TONEA CORNELIA, PILOCA L., POPA D., DRAGOI G.</b>	
<b>SLIDING REGIMES ON PLANE SIEVES .....</b>	<b>352</b>
<b>POPA D., TONEA CORNELIA, ILEA R., DRAGOI G., PILOCA L.</b>	
<b>TILLAGE SYSTEM'S INFLUENCE UPON ENERGETICALLY CONSUMPTIONS IN MAIZE CROP IN S.D. TIMISOARA .....</b>	<b>358</b>
<b>PILOCA L., TONEA CORNELIA, ILEA R., POPA D., DRAGOI G.</b>	
<b>RESEARCH ON THE MIC-500 CHEMICAL SOLID FERTILIZER SPREADER .....</b>	<b>362</b>
<b>HORGOS A., MEDELEANU A.</b>	
<b>THE EFFECT OF THE THERMIC DISINFECTION METHODS OF CELLULOSE NUTRITIVE SUBSTRATUM AND OF SYSTEMS OF VENTILATION ON THE PRODUCTIVE POTENTIAL OF <i>PLEUROTUS 7 BIS</i> AND <i>H K-35</i> HYBRIDS .....</b>	<b>365</b>
<b>MEDELEANU A., HORGOS A.</b>	
<b>THE ECONOMIC EFFICIENCY OF THE <i>PLEUROTUS</i> MUSHROOMS ON A NUTRITIVE SUBSTRATUM OF FIR SAWDUST WITHIN THE CONDITIONS OF THE DIDACTIC STATION FROM TIMISOARA .....</b>	<b>373</b>

**HORGOS A., BECHERESCU ALEXANDRA, MUNTEANU DOINA**

**THE INFLUENCE OF FERTILIZATIONS WITH COMPLEX FOIL FERTILIZER OVER THE PRODUCTION OF THE TOMATO HYBRID JEREMY F1 IN GREEN HOUSES WARMED BY GEOTHERMAL WATER.....379**

**HORGOS A., MUNTEANU DOINA, BECHERESCU ALEXANDRA**

**THE MANIFESTATION OF THE PRODUCTIVE POTENTIAL AT THE HYBRID CORNICHON AMOUR F1 UNDER THE INFLUENCE OF THE FERTILIZATIONS WITH COMPLEX FOIL FERTILIZERS IN GREEN HOUSES WITH NOTCONVENTIONAL ELECTRIC POWER CONSUMPTION .....383**

**MURESAN NORA, NEDELEA G.**

**STUDY UPON SOME AUTUMN OAT CULTIVARS RESISTANCE TO CROWN RUST (*PUCCINIA CORONATA* VAR. *AVENAE*) .....387**

**MURESAN NORA, NEDELEA G.**

**STUDIES CONCERNING THE VARIABILITY OF PLANT HEIGHT IN A COLLECTION OF AUTUMN OAT GENOTYPES .....393**

**BALAN V.**

**RESEARCH REGARDING THE SOIL PREPARING SYSTEM FOR PLANTING PEACH TREES .....397**

**BALAN V.**

**BASES TO THE NUTRITIVE SUBSTANCES REQUIREMENT DETERMINATION IN PLANTATIONS .....402**

**AERTS R., HELSEN J., IORDANESCU OLIMPIA ALINA, MICU ROXANA, ANGHELACHE I., NICORICI N., CALIN C., BLIDARIU AURELIA, SIMERIA G., DRAGANESCU E., VER BERNE A.**

**MANAGEMENT OF APPLE SCAB (*VENTURIA INAEQUALIS*) IN ROMANIA BASED ON ELECTRONIC WARNINGS .....408**

**DENES A.**

**RESEARCHES CONCERNING THE INFLUENCE OF THE SOIL MAINTENANCE SYSTEMS ON FERTILITY AND PRODUCTIVITY, OF THE CREATA AND MUSTOASA DE MADERAT LOCAL VARIETIES.....414**

**DENES A.**

**RESEARCHES CONCERNING THE INFLUENCE OF THE SOIL MAINTENANCE SYSTEM ON THE RELATION: FOLIAR SURFACE/QUANTITY, FOLIAR SURFACE/QUALITY FOR SOME LOCAL VARIETIES .....420**

**COZMA ANTONELA, ALEXA ERSILIA, LAZUREANU A., NEGREA MONICA**

**THE ESTIMATION OF THE ECOLOGICAL IMPACT AND OF THE ATMOSPHERE POLLUTION IN THE SAG-PARTA DEPOSITION AREA.....447**

**BARNOCZKI A., BARNOCZKINE SZTOILOVA ELENA**

**IMPROVEMENT OF BIOLOGICAL CROP TECHNOLOGY OF ONION AND GARLIC CONSIDERING THE WEST PART OF HUNGARY .....453**

**POSTA G., BERAR V.**

**RESEARCHES CONCERNING THE YIELD PERFORMANCES OF THE LATE CABBAGE HYBRIDS CULTIVATED IN THE FIELD CONDITIONS.....459**

**POSTA DANIELA, VISOIU DAGMAR, HERNEA CORNELIA, STEFAN CAROLINA**

**LANDSCAPE DESIGNING OF A PRIVE GARDEN USING THE GEOMETRICAL STYLE .....463**

**CHILOM PELAGHIA, NAVOLAN C.**

**THE AUTOMATIC CONTROL OF THE TECHNOLOGICAL CHAIN OF PRODUCTION FOR THE PLEUROTUS MUSHROOM GENER .....466**

**CHILOM PELAGHIA, ROSCA CAMELIA**

**NEW TOMATOES HYBRIDS FOR EARLY FIELD CULTURES .....471**

**CHILOM PELAGHIA, BALASA M., ROSCA N.**

**THE PRODUCTION OF CUCUMBER SEEDLINGS BY “FLOAT SYSTEM” .....475**

**BOLDURA OANA-MARIA, MIHACEA SORINA, SCHITEA MARIA, BADEA ELENA**

**GENETIC MAPPING IN ALFALFA (*MEDICAGO SATIVA*) WITH MICROSATELLITES MARKERS .....479**

**CIULCA S., NEDELEA G., MADOSA E., CHIS S.**

**STUDIES CONCERNING SOME MALTING QUALITY TRAITS IN DIFFERENT TWO-ROWED AUTUMN BARLEY GENOTYPES .....485**

**DRAGOESCU CERASELA, MIHACEA SORINA, BADEA ELENA, NEDELEA G.**

**RAPD ANALISYS OF THE IN VITRO REGENERATED ALFALFA PLANTS.....491**

**POP M.R., SAND CAMELIA, BOBIT DANA, BARBU C.H.**

**PHENOTYPIC VARIABILITY IN THE SUBTERRANEAN ORGANS OF CERTAIN *GENTIANA LUTEA* L. FAMILIES .....499**

**POP M.R., SAND CAMELIA, BARBU C.H., TOADER A.**

**STUDIES REGARDING SEED PRODUCTION TECHNOLOGY FOR *ANGELICA ARCHANGELICA* L. ....503**

**PALCU S., MURESAN CLAUDIA, CHIS S.**

**RESEARCHES REGARDING THE TOXICITY OF SOME PLANT FROM WILD FLORA OF ARAD COUNTY .....507**

**STEFANESCU ELENA, MILOVICI ELENA LILIANA**

**STUDIES REGARDING THE INFLUENCE OF SOME FACTORS UPON THE PROCESS OF FLOWER INDUCTION TO TIMPURIE DE VIDRA CABBAGE VARIETY .....511**

**STEFANESCU ELENA, MILOVICI ELENA LILIANA**

**THE STUDY OF QUALITY INDEXES TO ONION SEED (*ALLIUM CEPA* L.).....514**