

CONTENTS

***HORTICULTURE AND
FOOD PRODUCTS PROCESSING TECHNOLOGY***

RESEARCH REGARDING THE INFLUENCE OF THE VARIETY AND CULTURE CONDITIONS ON CERTAIN FRUIT QUALITY FEATURES FOR SEVERAL CHERRY VARIETIES

Albulescu Carmen Maria Andrada, Hoza Dorel 5

OPTIMIZATION OF ECOLOGICAL FACTORS AND THE INFLUENCE OF LIGHT ON THE RATIONAL USE OF RESERVE CARBOHYDRATES IN PERIOD DURING FORCING CUTTINGS

Bădulescu Adriana, Ficiu Lidia 11

FAVORABILITY OF CLIMATIC FACTORS FROM SANDY AREAS (OLTENIA, ROMANIA) REGARDING THE WALNUT CULTURE

Birsanu Ionescu Mariana, Cosmulescu Sina Niculina 17

EXTRACTS OF HERBS AND SPICES AS NATURAL ANTIOXIDANTS FOR IMPROVING THE FUNCTIONAL VALUE OF MEAT PRODUCTS

Boruzi Andrei Iulian, Nour Violeta 25

CHARACTERIZATION OF THE *ON-FARM* PLUM COLLECTION FROM PLENIȚA - DOLJ COUNTY AND THE DEVELOPMENT OF GENETIC RESOURCES IN ROMANIA

Botu Mihai, Pamfil Doru, Botu Ion, Hârța Monica, Scutelnicu Anca, Giura Simona, Popa Mihai 33

RESEARCH ON THE MULTIPLE WAYS FOR OBTAINING ECOLOGICAL AND QUALITY SEEDS OF LAVANDULA

Broșteanu Elena 39

THE CONCEPT OF „ROAD OF THE WINE” IN OLTENIA AND THE PLUS OF VALUE FOR A TOURISTIC DESTINATION

Călugăru Iulian Viorel, Giugea Nicolae, Mărăcineanu Liviu, Berta Corina, Perț Carmen 45

THE OENO-TURISM A CONSTANT FORM OF TOURISM IN OLTENIA Călugăru Iulian Viorel, Giugea Nicolae, Berta Corina, Carmen Perț, Mărăcineanu Liviu	51
DETERMINATION OF FACTORS THAT REDUCE THE POTENTIAL OF DEGRADATION OF VEGETABLE OILS Ramona Căpruciu	55
QUALITATIVE ANALYSIS OF TYPES OF ICE CREAM Ramona Căpruciu	63
ASSESSMENT OF THE TECHNOLOGICAL QUALITIES OF THE SOME INTRASPECIFIC HYBRID ELITES FOR THE TABLE GRAPES COMPARED WITH THE PARENTAL FORMS BY THE METHOD OF THE DISTRIBUTION ON THE FREQUENCY CLASSES Ciobotea Cristina-Magdalena, Popa Camelia, Radomir Ana-Maria	69
STUDY ON THE BEHAVIOR OF CAPSICUM GRAFTED ON DIFFERENT ROOTSTOCKS IN SANDY SOIL CONDITIONS Ciuciuc Elena, Croitoru Mihaela, Vânătoru Costel	75
DEVELOPMENT AND EVALUATION OF A REVERSE-PHASE HPLC METHOD FOR THE ANALYSIS OF CAROTENOIDS IN EGG YOLK Corbu Alexandru Radu, Violeta Nour	81
THE INFLUENCE OF APPLYING SUMMER PRUNING OPERATIONS ON THE QUANTITY AND QUALITY OF CARDINAL VARIETIES Costea Dorin Constantin, Cichi Daniela Doloris, Căpruciu Ramona	89
DEVELOPMENT OF VINE-GROWING FARMS IN BULGARIA Dimitrova Daniela, Dimitrov Vladimir	95
INFLUENCE OF DIFFERENT GIBBERELIC ACID (GA 3) CONCENTRATIONS ON THE INTENSITY OF THE MAIN PHYSIOLOGICAL PROCESSES ON VARIOUS GREEN LETTUCE HYBRIDS Dobrescu Aurelia, Hoza Gheorghita, Neață Gabriela, Petre Ana Maria, Badea Monica Luminița, Mohammed Jasim Mohammed	101
INFLUENCE OF FERTILIZATION MODE ON PRODUCTION OF SOME TOMATO CULTIVARS GROWN IN AN ECOLOGICAL SYSTEM Domocoș Daniela, Apahidean Alexandru Silviu, Cărbunar Mihai, Mariana Bei, Apahidean Alexandru Ioan, Ștef Adrian Valeriu	107
TRENDS IN THE EVOLUTION OF CLIMATIC FACTORS IN THE DEALUL BUJORUI VINEYARD UNDER THE CURRENT CLIMATE CHANGES CONDITIONS Enache Viorica, Donici Alina, Tabaranu Gabriel	113

USE OF EXTRACTS FROM RED GRAPE POMACE IN VINE PROTECTION	
Fîciu Lidia, Bădulescu Adriana	119
CHARACTERIZATION OF SPONTANEUS FLORA AND INSECTS IN VALEA CALUGAREASCA VITICULTURAL ECOSYSTEM	
Fîciu Lidia, Bădulescu Adriana, Brîndușe Elena	123
SOME FRUIT CHARACTERISTICS OF BLACKTHORN (<i>PRUNUS SPINOSA</i> L.)	
Gavrilă Călușaru Florentina Claudia, Ionica Mira Elena, Cosmulescu Sina Niculina	129
RESEARCH CONCERNING THE BEHAVIOUR OF WALNUT GENOTYPES WITH DIFFERENT GEOGRAPHIC ORIGIN UNDER THE ECOLOGICAL CONDITIONS OF NORTH OF VÂLCEA COUNTY	
Giura Simona, Scutelnicu Anca, Preda Silvia, Botu Mihai, Manthos Ioannis, Mitrea Rodi	137
COMPARATIVE STUDY ON POLYPHENOLS CONTENT AND ANTIOXIDANT EFFECT OF OLIVE CULTIVARS FROM THE THESSALY REGION, GREECE	
Gougoulias Nikolaos, Kamvoukou Christina- Anna, Ntalla Maria-Nektaria, Papachatzis Alexandros	147
THE EFFECT OF <i>POSIDONIA OCEANICA</i> ON SOIL ORGANIC MATTER BIODEGRADATION AND OTHER SOIL CHEMICAL PROPERTIES	
Gougoulias Nikolaos, Goula Ioanna-Maria, Papachatzis Achilleas, Ntalla Maria-Nektaria, Efthimiou Spyridoula	153
RESEARCHES CONCERNING THE USE OF TWO IRRIGATION SYSTEMS WITH REDUCED CONSUMATION OF WATER IN ORDER TO CONTROL THE WATER STRESS AT GRAPEVINE	
Ion Marian, Burlacu Cristian, Pircalabu Liliana, Filip Vlad Andrei, Brinduse Elena	159
THE BEHAVIOUR OF SOME PEACH VARIETIES (<i>PRUNUS PERSICA</i> L.) BELONGING TO THE WORLD GERMOPLASM COLLECTION, CONCERNING THEIR GROWTH AND FRUCTIFICATION IN CONDITIONS OF BANAT PLAIN AREA	
lordănescu Olimpia Alina, Cosmulescu Sina Niculina, Becherescu Alexandra, Murgu Viorica Adriana , Sala Florin, Scedei Daniela	165
THE INFLUENCE OF THE PLANTING DISTANCE ON THE DEVELOPMENT OF THE CHERRY ROOT SYSTEM	
Ivanov I., Balan V., Balan P.	175

EFFECT OF EXTRACTION TEMPERATURES AND SOLVENT ON THE ANTIOXIDANT POTENTIAL OF GREEN ARABICA AND ROBUSTA COFFEE BEANS

Kamvoukou Christina-Anna, Gougoulias Nikolaos, Giannoulis Kyriakos, Papachatzis Alexandros, Papathanasiou Theodoros, Malamis Asterios 179

EFFECT OF CYCOGAN ON GROWTH AND FLOWERING OF BOUGAINVILLEA SPP.

Mandă Manuela, Nicu Carmen 185

EFFECTS OF TEMPERATURE ON GROWTH RATE, LIPID AND PROTEIN CONTENT OF THE MICROALGAL SPECIES *Nannochloropsis oculata*

Metsoviti M. N., Katsoulas N., Karapanagiotidis I. T., Papapolymerou G. 191

AMPELOGRAPHIC CHARACTERISTICS OF CHARDONNAY 76

Nakov Zdravko, Ivanov Miroslav, Simeonov Iliyan 197

RESEARCH ON THE BEHAVIOR OF SOME HYBRIDS LETTUCE IN SOLARIUM

Neață Gabriela, Hoza Gheorghita, Dobrescu Aurelia, Basarabă Adrian, Dinu Maria, Mohammed Jasin Mohammed, Hadi Hoobi Shallat 203

COMPARATIVE STUDY ON POLYPHENOLS CONTENT AND ANTIOXIDANT ACTIVITY IN SOME SWEET PEPPER CULTIVARS DURING DEVELOPMENT IN HYDROPONIC CULTURE

Papathanasiou Theodoros, Gougoulias Nikolaos, Kamvoukou Christina- Anna, Efthimiou Spyridoula, Papachatzis Achilleas 209

INFLUENCE OF GROWTH REGULATORS ON PRODUCTIVITY OF PLANTATION AND QUALITY OF APPLE FRUITS

Pesteanu Ananie 215

POSSIBILITIES OF OPTIMIZATION OF THE COMPLEX FERTILIZATION IN CORNICHON CUCUMBERS CROP

Petcuci Andrei-Cătălin, Atanasiu Nicolae, Neață Gabriela, Câmpeanu Gheorghe, Cornea Călina Petruța, Petcuci Alexandra 221

INFLUENCE OF SEVERAL TECHNOLOGICAL LINKS APPLIED IN THE ECOLOGICAL SYSTEM ON THE QUALITY OF GRAPES PRODUCTION

Pîrcălabu Liliana, Tudor Georgeta, Ion Marian 229

NOROCEL - A NEW SEEDLESS GRAPE VARIETY CREATED IN ROMANIA

Popa Camelia, Cichi Daniela Doloris, Ciobotea Cristina Magdalena 235

RESEARCH REGARDING THE EFFECT OF GROWTH REGULATORS OVER THE *IN VITRO* MORPHOGENETIC REACTION AT *SALVIA OFFICINALIS*

Radomir Ana-Maria, Ciobotea Cristina-Magdalena 241

RESEARCH ON DEPENDENCE OF GRAPE PRODUCTION OF TEMPERATURE IN THE REST PERIOD AT SOME WHITE WINE GRAPES IN THE SANDY SOILS FROM SOUTH-WESTERN OLTENIA

Răţoi Iulian 247

THE HOMEOPATHIC PRODUCTS USED IN PLANT PROTECTION: AN ALTERNATIVE CHOICE

Rîndaşu Ileana, Ciceoi Roxana, Stănică Florin 253

CONSIDERATIONS CONCERNING THE INFLUENCE OF VACUUM AND PRESSURE CYCLIC PROCESS UTILISED TO IMPROVE THE TENDERNESS OF ROMANIAN TRADITIONAL GOAT MEAT PRODUCTS

Roşca Adrian, Roşca Daniela 259

MATHEMATICAL MODEL FOR COMPRESSION STRENGTH OF PORK SHOULDER MEAT TENDERIZED BY USING MECHANICAL PROCESSES

Roşca Daniela, Roşca Adrian 267

DETERMINING THE HEALTH STATUS OF *PLATANUS X ACERIFOLIA* TREES BY MEANS OF TOMOGRAPHY

Sima Sanda (Petredeanu), Baciş Aurelian Adrian 277

BRIEF AGROBIOLOGICAL AND TECHNOLOGICAL CHARACTERISTICS OF NEW TABLE GRAPES CANDIDATE-VARIETIES

Simeonov Iliyan, Ivanov Miroslav, Nakov Zdravko, Iliev Anatoly 283

CULTIVAR INFLUENCE UPON LETTUCE PRODUCTION, CULTIVATED IN AUTUMN IN AN ECOLOGICAL SYSTEM

Ştef Adrian Valeriu, Apahidean Alexandru Silviu, Cărbunar Mihai, Bei Mariana, Apahidean Alexandru Ioan, Domocoş Daniela 289

ON VINEYARD CULTIVATION IN ECOLOGICAL SYSTEM IN DEALUL BUJORULUI VINEYARD UNDER THE CLIMATIC CONDITIONS OF 2016

Tabaranu Gabriel, Viorica Enache, Donici Alina 295

RESEARCH ON OBTAINING FRESH CHEESE FROM GOAT'S MILK WITH TARRAGON

Tiţa Mihaela-Adriana, Popovici Cristina 301

THERMAL ANALYSIS OF CURD OBTAINED BY DIFFERENT METHODS

Tiţa Mihaela-Adriana, Popovici Cristina 305

USING THE BIOACTIVE POTENTIAL OF PLANTS BY GETTING TONIC DRINKS

Tiţa Ovidiu 311

INFLUENCE OF FRUIT LOAD ON THE QUALITY OF GRAPE PRODUCTION AND EVOLUTION OF PHENOLIC COMPOUNDS DURING THE FERMENTATION MACERATION OF WINES IN DEALU MARE VINEYARD

Tudor Georgeta, Pîrcălabu Liliana 315

THE BEHAVIOUR OF SOME GRAPEVINE GENOTYPES CREATED AT INCDBH STEFANESTI ARGES, INITIAL MATERIAL G0, IN DEPOSITORY GREENHOUSE CONDITIONS

Diana Elena Vizitiu, Gina Nedelea, Carmen Bejan, Emilia Vişoiu 321

THE LABEL. THE EUROPEAN WINE "PASSPORT"

Voinea-Mic Cătălin, Giugea Nicolae, Berta Corina, Mărăcineanu Liviu 327

WINE DESCRIPTION. THE ADDITIONAL TRADITIONAL MENTION

Voinea-Mic Cătălin, Giugea Nicolae, Berta Corina, Mărăcineanu Liviu 331

EFFECT OF RESIDUE GREEN ROBUSTA COFFEE, OBTAINED AFTER THE REMOVAL OF HOT AQUEOUS EXTRACT, ON SOIL CHEMICAL PROPERTIES

Wogiatzi Eleni, Gougoulas Nikolaos, Giannoulis Kyriakos, Miliakidi Eleni .. 335

BIOLOGY AND ENVIRONMENTAL ENGINEERING

FAUNISTIC DATA ON THE OPILIONES (ARACHNIDA) IN CRAIOVA AND PERI-URBAN AREAS

Babalean Anda Felicia 343

THE INFLUENCE OF CERTAIN PHYTOSANITARY TREATMENTS ON THE QUALITY INDICES IN THE CASE OF SOME VARIETIES OF VINES FROM VÂNJU MARE-OREVIȚA VITICULTURAL CENTER

Băileștianu Norita, Mitrea Rodi 349

RESULTS REGARDING THE INFLUENCE OF THE CLIMATIC CONDITIONS OF 2016 ON THE EVOLUTION OF PATHOGENS IN THE VINEYARD FROM S.C.VIE VIN VÂNJU MARE S.R.L., MEHEDIŢI COUNTY

Băileștianu Norita Anisia , Mitrea Rodi 355

THE PASSERIFORMES OF CRAIOVA CITY (DOLJ COUNTY, ROMANIA)

Bălescu Carmen Daniela, Ștefănescu Mihail Dragoș 363

HISTO-ANATOMICAL AND CHROMATOGRAPHIC RESEARCHES ON ARTEMISIA ANNUA L. (ASTERACEAE) SPECIES

Bejenaru Ludovic Everard, Mogoșanu George Dan, Bejenaru Cornelia, Scorei Oliviu Mihai, Biță Andrei 373

ANATOMY OF <i>BEGONIA FISCHERI</i> SCHRANK (BEGONIACEAE) LEAF	
Bercu Rodica, Popoviciu Dan Răzvan	383
DIVERSITY OF <i>Lolium multiflorum</i> Lam. CHARACTERS FROM WINTER WHEAT CROP	
Ionescu Nicolae	389
CLIMATIC CONSIDERATIONS ON THE DROUGHTY SUMMER OF 2016 IN OLTENIA	
Marinică I., Marinică Andreea Floriana, Vătămanu V.V.	397
HISTO-ANATOMICAL AND PRELIMINARY CHROMATOGRAPHIC RESEARCHES ON <i>GLECHOMA HEDERACEA</i> L. (<i>LAMIACEAE</i>) SPECIES	
Mogoşanu George Dan, Bejenaru Cornelia, Bejenaru Ludovic Everard, Scorei Oliviu Mihai, Biţă Andrei	403
HIGH-SENSITIVITY C-REACTIVE PROTEIN - PREDICTOR MARKER FOR CARDIOVASCULAR DISEASE	
Olaru Mariana Luminiţa	411
STUDY REGARDING THE FEMALE REPRODUCTIVE SYSTEM AND THE FREQUENCY OF THE CLINICAL AND CYTOLOGICAL EXAMINATIONS	
Olimid Diana	419
SEASONAL EVOLUTION OF FOLIAR CHLOROPHYLLS, CAROTENOIDS AND FLAVONOIDS IN <i>PLATYCLADUS ORIENTALIS</i> (L.) FRANCO	
Popoviciu Dan Răzvan, Bercu Rodica	427
ABOUT THE MEADOWS EDIFIED BY <i>CHRYSOPOGON GRYLLUS</i> WITHIN OLTENIA REGION	
Răduţoiu Daniel, Stan Ion, Ştefănescu Dragoş-Mihail	433
HABITATS NATURA 2000 WITH HALOPHILOUS VEGETATION FROM (ROMANIA)	
Răduţoiu Daniel, Stan Ion, Simeanu C.G., Răduţoiu Amira	439
PHENOLOGICAL DEVELOPMENT STAGES OF <i>COLCHICUM AUTUMNALE</i> L. (<i>LILIACEAE</i>) UNDER THE CONDITIONS IN THE FLORISTIC REGION OF THE RHODOPE MOUNTAINS OF BULGARIA	
Semerdjieva Ivanka	445
OBSERVATIONS REGARDING THE ENTOMOFAUNA FROM A NEWLY ESTABLISH VINE PLANTATION AT BANU MARACINE S.D.	
Stan Cătălin, Țucă Ovidiu Andrei, Genoiu Cătălin	451

**THE INFLUENCE OF TEMPERATURE IN THE FLIGHT DYNAMIC OF THE
MACROSIPHUM ROSE L. SPECIES, AT THE AL. BUIA BOTANICAL
GARDEN, CRAIOVA**

Țucă Ovidiu Andrei, Stan Cătălin, Ciupeanu Călugăru Eleonora Daniela,
Genoiu Cătălin 455

**PATHOLOGICAL ASPECTS OF INTERNAL ORGANS IN BOVINE
LEUCOSE**

Vlădulescu Carmen, Horatiu Fusariu 461

**STUDY ON THE MACROSCOPIC AND MICROSCOPIC ASPECTS ON DOG
MAMMARY TUMOR**

Vlădulescu Carmen, Horatiu Fusariu 465