

**UNIVERSITY OF CRAIOVA  
FACULTY OF HORTICULTURE**

in collaboration with

**The Ministry of Research and Innovation  
The Ministry of Agriculture and Rural Development  
The Academy of Agricultural and Forestry Sciences  
The Romanian Horticultural Society - Craiova Branch**



**55 YEARS OF HORTICULTURAL EDUCATION IN CRAIOVA**

## **PROGRAM BOOKLET**

**International Scientific Symposium**

**HORTICULTURE, FOOD AND  
ENVIRONMENT**

**Priorities and perspectives**

**26-27 October, 2017**

**CRAIOVA**

***Dear Colleagues and Friends,***

***It is a great pleasure for us to invite you to attend the Symposium on Horticulture, Food and Environment – Priorities and perspectives celebrating the 55th anniversary of the Faculty of Horticulture, University of Craiova, that will take place in Craiova, Romania on 26th -27th October 2017.***

***The Symposium is getting established as an interdisciplinary forum within horticulture, food, biology and environment sciences providing opportunities for exchange of knowledge, expertise, ideas and great networking. A wide array of scientific areas such as biodiversity, breeding, physiology, biotechnology, post-harvest technology, food quality and safety, biology, plant and environmental protection, ornamentals, landscape and urban environment etc. merge together and cross with recent developments in fruit, vegetable and ornamental crops.***

***The conference welcomes the scientists, researchers, teachers and students as well as professionals of the horticulture, food industry, biology and environment to establish new collaborations and contacts, to present and discuss their findings. On this occasion, we will celebrate the people and moments that have marked the history of our faculty. We are looking forward seeing you in Craiova!***

***On behalf of the organizing committee,***

***Dean,  
Prof.PhD Cosmulescu Sina***

***Vice-dean,  
Assoc. Prof.PhD Mărăcineanu Cristian***

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## International Scientific Symposium

### HORTICULTURE, FOOD AND ENVIRONMENT

#### Priorities and perspectives

Date	Hours	Event
26.10.2017	08.30-12.00	Registration
	8.30-10.30	<b>Festivity "55 YEARS OF HORTICULTURAL EDUCATION IN CRAIOVA AND OLTENIA"</b>
	8.30-8.40	Opening ceremony - Dean, Prof. Sina COSMULESCU, PhD
	8.40-8.50	Welcome Speech – Rector, Prof. Cezar SPÎNU, PhD
	8.50-9.20	55 years of Horticulture – Dean, Prof. Sina COSMULESCU, PhD
	9.20-10.30	Anniversary messages
	10.30-11.00	Coffee break
	11.00-12.00	<b>"Doctor Honoris Causa" Award Ceremony - Prof. Sorin Mihai CÎMPEANU, USAMV Bucharest</b>
	12.00-13.30	Lunch
	13.30-18.30	<b>Conference "55 YEARS OF HORTICULTURAL EDUCATION IN CRAIOVA AND OLTENIA"</b>
	13.30-15.00	Oral presentations
	15.00-15.15	Coffee break
	15.15-17.30	Oral presentations
	17.30-18.30	Poster presentation
	19.00-24.00	Gala Dinner (Casa Universitarilor)
27.10.2017	Technical tour on the route Craiova – Vânju Mare (Mehedinți) - Stârmina (Mehedinți) – Craiova (additional fee)	

#### Place of Symposium:

FACULTY OF HORTICULTURE

Address: 13 A.I. Cuza St., Craiova, Romania

The Blue Hall

## PLENARY SESSION

**Moderators: Prof. POPA DANIELA, PhD.  
Prof. BOTU MIHAI, PhD.**

13h30 - 13h45 Zheljazkov Valtcho D (Oregon State University, Department of Crop and Soil Sciences, Corvallis, OR 97331, U.S.A.).

### **ORGANIC FOOD PRODUCTION IN THE UNITED STATES**

Zheljazkov Valtcho D.

13h45 – 14h00 Nicolaescu Gh. (State Agrarian University from Moldova)

### **THE LOCAL WINE VARIETIES COME BACK TO MOLDAVIAN VITICULTURE**

Nicolaescu Gheorghe, Mogîldea Olga, Godoroja Mariana, Procopenco Valeria

## ORAL PRESENTATIONS I

**Moderators: Prof. NOUR VIOLETA, PhD.  
Assoc. Prof. MUNTEAN CAMELIA, PhD. PhD.**

### **14h00 – 14h15 DETERMINING THE HEALTH STATUS OF *PLATANUS X ACERIFOLIA* TREES BY MEANS OF TOMOGRAPHY**

Sima Sanda (Petredeanu), Baci Aurelian Adrian

### **14h15 – 14h30 GENETIC DIVERSITY AMONG JUGLANS REGIA GENOTYPES BASED ON MORPHOLOGICAL CHARACTERS OF NUT**

Birsanu Ionescu Mariana, Ștefănescu Dragoș, Cosmulescu Sina Niculina

### **14h30 – 14h45 THE BEHAVIOR OF ROXANA AND CLERY STRAWBERRY CULTIVARS GROWN ORGANICALLY IN ARAD CAUNTY, ROMANIA**

Bujdei Andreea Raluca, Stănică Florin, Ciceoi Roxana

### **14h45 – 15h00 DETERMINATION OF FACTORS THAT REDUCE THE POTENTIAL OF DEGRADATION OF VEGETABLE OILS**

Ramona Căpruciu

### **15h00 – 15h15 SOME FRUIT CHARACTERISTICS OF BLACKTHORN (*PRUNUS SPINOSA L.*)**

Gavrila Calusaru Florentina Claudia, Ionica Mira Elena, Cosmulescu Sina Niculina

### **15h15 – 15h30 THE HOMEOPATHIC PRODUCTS USED IN PLANT PROTECTION: AN ALTERNATIVE CHOICE**

Rîndașu Ileana, Ciceoi Roxana, Stănică Florin

15h30 – 15h45 Coffee break

## **ORAL PRESENTATIONS II**

**Moderators: Assoc. Prof. CICHI DANIELA, PhD.  
Assoc. Prof. CIUPEANU DANIELA, PhD.**

**15h45 – 16h00 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

**16h00 – 16h15 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., MEHEDINȚI COUNTY**

Băileștianu Norita, Mitrea Rodi

**16h15 – 16h30 THE PASSERIFORMES OF CRAIOVA CITY (DOLJ COUNTY, ROMANIA)**

Bălescu Carmen Daniela, Ștefănescu Mihail Dragoș

**16h30 – 16h45 DIVERSITY OF *Lolium multiflorum* Lam. CHARACTERS FROM WINTER WHEAT CROP**

Ionescu Nicolae

**16h45 – 17h00 CLIMATIC CONSIDERATIONS ON THE DROUGHTY SUMMER OF 2016 IN OLTENIA**

Marinică I., Marinică Andreea Floriana, Vătămanu V.V

**17h00 – 17h15 ABOUT THE MEADOWS EDIFIED BY *CHRYSOPOGON GRYPHUS* WITHIN OLTENIA REGION**

Răduțoiu Daniel, Stan Ion, Ștefănescu Dragoș-Mihail

**17h15 – 17h30 HABITATS NATURA 2000 WITH HALOPHILOUS VEGETATION FROM (ROMANIA)**

Răduțoiu Daniel, Stan Ion, Simeanu C.G., Răduțoiu Amira

## **POSTER PRESENTATIONS**

**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

**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

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

Boruzi Andrei Iulian, Nour Violeta

**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

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

Broșteanu Elena

**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

**THE OENO-TURISM A CONSTANT FORM OF TOURISM IN OLTENIA**

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

**QUALITATIVE ANALYSIS OF TYPES OF ICE CREAM**

Ramona Căpruciu

**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

**STUDY ON THE BEHAVIOR OF CAPSICUM GRAFTED ON DIFFERENT ROOTSTOCKS IN SANDY SOIL CONDITIONS**

Elena Ciuciuc, Mihaela Croitoru, Vânătoru Costel

**DEVELOPMENT AND EVALUATION OF A REVERSE-PHASE HPLC METHOD FOR THE ANALYSIS OF CAROTENOIDS IN EGG YOLK**

Corbu Alexandru Radu, Violeta Nour

**THE INFLUENCE OF APPLYING SUMMER PRUNING OPERATIONS ON THE QUANTITY AND QUALITY OF CARDINAL VARIETIES**

Costea Dorin Constantin, Cichi Daniela Doloris, Căpruciu Ramona

**DEVELOPMENT OF VINE-GROWING FARMS IN BULGARIA**

Dimitrova Daniela, Dimitrov Vladimir

**INFLUENCE OF DIFFERENT GIBBERELIC ACID (GA 3) CONCENTRATIONS ON THE INTENSITY OF THE MAIN PHYSIOLOGICAL PROCESSES ON VARIOUS GREEN LETTUCE HYBRIDS**

Aurelia Dobrescu, Gheorghita Hoza, Gabriela Neață, Ana Maria Petre, Monica Luminița Badea, Mohammed Jasim Mohammed

**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

**TRENDS IN THE EVOLUTION OF CLIMATIC FACTORS IN THE DEALUL BUJORUI VINEYARD UNDER THE CURRENT CLIMATE CHANGES CONDITIONS**

Enache Viorica, Donici Alina, Tabaranu Gabriel

**USE OF EXTRACTS FROM RED GRAPE POMACE IN VINE PROTECTION**

Fîciu Lidia, Bădulescu Adriana

**CHARACTERIZATION OF SPONTANEOUS FLORA AND INSECTS IN VALEA CALUGAREASCA VITICULTURAL ECOSYSTEM**

Fîciu Lidia, Bădulescu Adriana, Brîndușe Elena

**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

**COMPARATIVE STUDY ON POLYPHENOLS CONTENT AND ANTIOXIDANT EFFECT OF OLIVE CULTIVARS FROM THE THESSALY REGION, GREECE**

Gougoulas Nikolaos, Kamvoukou Christina- Anna, Ntalla Maria-Nektaria, Papachatzis Alexandros

**THE EFFECT OF *POSIDONIA OCEANICA* ON SOIL ORGANIC MATTER BIODEGRADATION AND OTHER SOIL CHEMICAL PROPERTIES**

Gougoulas Nikolaos, Goula Ioanna-Maria, Papachatzis Achilleas, Ntalla Maria-Nektaria Efthimiou Spyridoula

**RESEARCHES CONCERNING THE USE OF TWO IRRIGATION SYSTEMS WITH REDUCED CONSUMPTION OF WATER IN ORDER TO CONTROL THE WATER STRESS AT GRAPEVINE**

Ion Marian, Burlacu Cristian, Pircalabu Liliana, Filip Vlad Andrei, Brinduse Elena

**THE BEHAVIOUR OF SOME PEACH VARIETIES (*PRUNUS PERSICA* L.) BELONGING TO THE WORLD GERMOPLASM COLLECTION, CONCERNING THEIR GROWTH AND FRUCTIFICATION IN CONDITIONS OF BANAT PLAIN AREA**

Iordănescu Olimpia Alina, Cosmulescu Sina Niculina, Becherescu Alexandra, Murgu Viorica Adriana, Sala Florin, Scedei Daniela

**THE INFLUENCE OF THE PLANTING DISTANCE ON THE DEVELOPMENT OF THE CHERRY ROOT SYSTEM**

Ivanov I., Balan V., Balan P

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

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

**EFFECT OF CYCOGAN ON GROWTH AND FLOWERING OF *BOUGAINVILLEA* SPP.**

Mandă Manuela, Nicu Carmen

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

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

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Nakov Zdravko, Ivanov Miroslav, Simeonov Iliyan

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

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

Peșteanu Ananie

**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

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

Pîrcălabu Liliana, Tudor Georgeta, Ion Marian

**NOROCEL - A NEW SEEDLESS GRAPE VARIETY CREATED IN ROMANIA**

Popa Camelia, Cichi Daniela Doloris, Ciobotea Cristina Magdalena

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Radomir Ana-Maria, Ciobotea Cristina-Magdalena

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Iulian Rățoi

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Roșca Adrian, Roșca Daniela

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Roșca Daniela, Roșca Adrian

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Simeonov Iliyan, Ivanov Miroslav, Nakov Zdravko, Iliev Anatoly

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Ștef Adrian Valeriu, Apahidean Alexandru Silviu, Cărbunar Mihai, Bei Mariana, Apahidean Alexandru Ioan, Domocoș Daniela

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Tabaranu Gabriel, Viorica Enache, Donici Alina

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Tița Mihaela-Adriana, Popovici Cristina

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Tița Mihaela-Adriana, Popovici Cristina

**USING THE BIOACTIVE POTENTIAL OF PLANTS BY GETTING TONIC DRINKS**

Tița Ovidiu

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Tudor Georgeta, Pîrcălabu Liliana

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

Diana Elena Vizitiu, Gina Nedelea, Carmen Bejan, Emilia Vișoiu

**THE LABEL. THE EUROPEAN WINE "PASSPORT"**

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

**WINE DESCRIPTION. THE ADDITIONAL TRADITIONAL MENTION**

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

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

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

Babalean Anda Felicia

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

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

**ANATOMY OF *BEGONIA FISCHERI* SCHRANK (BEGONIACEAE) LEAF**

Bercu Rodica, Popoviciu Dan Răzvan

**HISTO-ANATOMICAL AND PRELIMINARY CHROMATOGRAPHIC RESEARCHES ON *GLECHOMA HEDERACEA* L. (LAMIACEAE) SPECIES**

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

**HIGH-SENSITIVITY C-REACTIVE PROTEIN - PREDICTOR MARKER FOR CARDIOVASCULAR DISEASE**

Olaru Mariana Luminița

**STUDY REGARDING THE FEMALE REPRODUCTIVE SYSTEM AND THE FREQUENCY OF THE CLINICAL AND CYTOLOGICAL EXAMINATIONS**

Olimid Diana

**SEASONAL EVOLUTION OF FOLIAR CHLOROPHYLLS, CAROTENOIDS AND FLAVONOIDS IN *PLATYCLADUS ORIENTALIS* (L.) FRANCO**

Popoviciu Dan Răzvan, Bercu Rodica

**PHENOLOGICAL DEVELOPMENT STAGES OF *COLCHICUM AUTUMNALE* L. (LILIACEAE) UNDER THE CONDITIONS IN THE FLORISTIC REGION OF THE RHODOPE MOUNTAINS OF BULGARIA**

Semerdjieva Ivanka

**OBSERVATIONS REGARDING THE ENTOMOFAUNA FROM A NEWLY ESTABLISH VINE PLANTATION AT BANU MARACINE S.D.**

Stan Cătălin, Țucă Ovidiu Andrei, Genoiu Cătălin

**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

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

Carmen Vladulescu, Horatiu Fusariu

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

Carmen Vladulescu, Horatiu Fusariu

## PARTICIPANTS

- Agrarian State University of Moldavia, Moldova
- Agricultural University – Plovdiv, Bulgaria
- Agricultural Research and Development Station Pitești, Romania
- Banat's University of Agricultural Science and Veterinary Medicine "King Michael I" from Timișoara, Romania
- BioBoron Research Institute, Craiova, Romania
- Community Police, Timișoara, Romania
- Development Research Center for Vegetables Buzău, Romania
- Dow AgroSciences, Romania
- "Dunarea de Jos" University of Galati, Romania
- Institute of Plant Breeding & Genetic Resources, Dept. of Nut Trees, HAO-DEMETER, Lamia, Greece
- Institute of Research & Development for Viticulture and Vinification Valea Călugărească, Romania
- Institute of Viticulture and Enology, Pleven, Bulgaria
- "Lucian Blaga" University of Sibiu, Romania
- Meteorological Regional Center Oltenia, Craiova, Romania
- National Research & Development Institute for Biotechnology in Horticulture Ștefănești – Argeș, Romania
- Oregon State University, Department of Crop and Soil Sciences, Corvallis, U.S.A
- „Ovidius” University, Constanța, Romania
- Research and Development Station for Viticultural and Winemaking Bujoru, Romania
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- Veterinary Medical Office FH Vet, Craiova, Romania