

**UNIVERSITY OF CRAIOVA  
FACULTY OF HORTICULTURE**

in collaboration with

**Ministry of Education  
The Academy of Agricultural and Forestry Sciences  
Society of Horticulturists in Oltenia**



**PROGRAM BOOKLET**

**International Scientific Symposium**

**HORTICULTURE, FOOD AND  
ENVIRONMENT**

**Priorities and perspectives**

**27 -28 October, 2023**

**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, which will take place in Craiova, Romania on 27th-28th October 2023.***

***The Symposium is getting established as an interdisciplinary forum within horticulture, food, biology and environment sciences, providing opportunities for the exchange of knowledge, expertise, ideas and great networking.***

***A wide range of scientific topics will be addressed, such as biodiversity, plant physiology and biology, biotechnology, post-harvest technology, food quality and safety, plant and environmental protection, landscape architecture, urban environment, etc.***

***The conference welcomes the scientists, researchers, teachers and students as well as the professionals in horticulture, food industry, biology and environment, to establish new collaborations and contacts, to present and discuss their findings.***

***We are looking forward to seeing you in Craiova!***

***Thank you!***

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

**Dean,  
Prof. PhD COSMULESCU SINA**

**Vice-dean,  
Assoc. Prof. PhD Răduțoiu Daniel**

## SCIENTIFIC BOARD

- Bilal ACAR, Faculty of Agriculture, University of Selcuk, Konya-Turkey
- Adrian ASĂNICĂ - University of Agronomic Sciences and Veterinary Medicine Bucharest, Romania
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- Mihai BOTU - Faculty of Horticulture, University of Craiova, Romania
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- Gheorghe GLĂMAN - President of the Romanian Horticultural Society, Romania
- Nicolae GIUGEĂ - Faculty of Horticulture, University of Craiova, Romania
- Stefano GREGO - University of Tuscia, Viterbo, Italy
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- Dorel HOZA - University of Agronomic Sciences and Veterinary Medicine Bucharest, Romania
- Stavros LALAS - Technological Education Institution of Thessaly, Larissa, Greece
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- Aurel POPA - Faculty of Horticulture, University of Craiova, Romania
- Daniela POPA - Faculty of Horticulture, University of Craiova, Romania
- Daniel RĂDUȚOIU - Faculty of Horticulture, University of Craiova, Romania
- Felicia TUȚULESCU - Faculty of Horticulture, University of Craiova, Romania

## ORGANIZING COMMITTEE

- Sina COSMULESCU - Dean Faculty of Horticulture, University of Craiova
- Daniel RĂDUȚOIU - Vice-Dean, Faculty of Horticulture, University of Craiova
- Cristian MĂRĂCINEANU - Faculty of Horticulture, University of Craiova
- Ana Maria DODOCIOIU - Department Director, Faculty of Horticulture, University of Craiova
- Dragoș ȘTEFĂNESCU - Department Director, Faculty of Horticulture, University of Craiova
- Ramona CĂPRUCIU - Faculty of Horticulture, University of Craiova
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- Maria DINU - Faculty of Horticulture, University of Craiova
- Nicolae GHEORGHIU - Faculty of Horticulture, University of Craiova
- Ana Maria STOENESCU - Faculty of Horticulture, University of Craiova
- Patricia POPA - Faculty of Horticulture, University of Craiova

## SECRETARIAT

- Ramona CĂPRUCIU, Faculty of Horticulture, University of Craiova

## PARTNERS:

**CHAIRE UNESCO „CULTURE ET TRADITION DE VIN”, UNIVERSITÉ BOURGOGNE, FRANCE**

**TELE U CRAIOVA**

**SOCIETY OF HORTICULTURISTS IN OLTENIA**

**HORTUS OLTENIA 1962 SOCIETY**

**GALICEA MARE ESTATE**

**UNIVERSITARIA PUBLISHING HOUSE**

## **International Scientific Symposium**

### **HORTICULTURE, FOOD AND ENVIRONMENT**

#### **Priorities and perspectives**

#### **SCIENTIFIC PROGRAM**

<b>27 October 2023</b>	
<b>9h00 – 09h30</b>	Reception of participants
<b>9h30 – 10h00</b>	Opening ceremony
<b>10h00 – 12h30</b>	Oral presentations
<b>12h30 – 14h00</b>	Lunch, visit the exhibition
<b>14h00 – 15h30</b>	Poster presentation (I)
<b>15h30 – 15h45</b>	Coffee break
<b>15h45 – 17h00</b>	Poster presentation (II)
<b>17h00 – 17h30</b>	Debates in plenum and final conclusions
<b>18h00</b>	Gala dinner (The university house)
<b>28 October 2023</b>	
Post symposium trip - optional The Museums of Oltenia and Galicea Mare Estate (additional fee 70 RON)	

**Place of Symposium:**

FACULTY OF HORTICULTURE

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

Mihai I of Romania Auditorium

## ORAL PRESENTATIONS

### Moderators:

**Prof. PhD. Botu Mihai**  
**Prof. PhD. Cimpoiășu Vily Marius**

10h00-10h10 – Glăman Gheorghe (Romanian Society of Horticulturists)

### **100 YEARS SINCE THE APPEARANCE OF THE FIRST HORTICULTURAL MAGAZINE**

Glăman Gheorghe

10h10-10h20 – Bilal Acar (Department of Farm Buildings and Irrigation, Faculty of Agriculture, University of Selçuk, Konya, Turkey)

### **EFFICACY OF SINGLE DRIP LATERAL DESIGN FOR TWO PLANT ROWS OF GRAIN MAIZE IN KONYA-KADINHANI-KOLUKISA PROVINCE, TURKEY**

Bilal Acar, Yasemin Demir Yurteri

10h20-10h30 Trif Andreea (University of Craiova, Faculty of Horticulture)

### **POSSIBLE LANDSCAPE ARCHITECTURE SOLUTIONS FOR THE NEIGHBORHOODS OF CRAIOVA**

Trif Andreea, Stoenica Andreea

10h30-10h40 Pricină Gabriel Nicolae (University of Craiova, Faculty of Social Sciences)

### **URBAN REGENERATION DIRECTIONS IN THE MUNICIPALITY OF CRAIOVA**

Pricină Gabriel Nicolae

10h40-10h50 Ionescu Nicolaie (Agricultural Research and Development Station Pitești)

### **ASPECTS OF *Linaria vulgaris* Mill. WEED FRUITS VARIABILITY**

Ionescu Nicolaie, Șimon Alina Mariana, Popescu Diana, Badea Oana, Nicolae Mariana, Gheorghe Robert

10h50 – 11h00 Popoviciu Dan Răzvan („Ovidius” University of Constanța, Faculty of Natural Sciences and Agricultural Sciences, Constanța, Romania)

### **QUANTITATIVE ANALYSIS OF NUTRITIONAL AND BIOACTIVE COMPOUNDS IN BITTER GOURD (*MOMORDICA CHARANTIA* L.) FRUITS**

Popoviciu Dan Răzvan, Pricop Simona-Mariana, Radu Marius-Daniel

11h00-11h10 - Catița Plopa (Research Institute for Fruit Growing Pitesti).

### **DETECTION OF PLUM AND CHERRY VIRUSES IN THE SOUTHERN PART OF ROMANIA**

Catița Plopa, Mădalina Butac

11h10-11h20 Pricop Simona-Mariana („Ovidius” University of Constanța, Faculty of Natural Sciences and Agricultural Sciences, Constanța, Romania)

### **QUANTITATIVE ANALYSIS OF ANTIOXIDANT COMPOUND CLASSES IN VEGETATIVE ORGANS OF BITTER GOURD (*MOMORDICA CHARANTIA* L.)**

Pricop Simona-Mariana, Popoviciu Dan Răzvan, Radu Marius-Daniel

11h20 – 11h30 Iliana Dumitru I. Anamaria-Mirabela. (Doctoral School of Plant and Animal Resources Engineering, Faculty of Horticulture, University of Craiova, Romania.

National Research and Development Institute for Biotechnology in Horticulture – Stefanesti, Arges, Romania)

**EVALUATION OF THE AMPELOGRAPHIC CHARACTERISTICS OF THE NEW ACCESSIONS INTRODUCED IN GRAPEVINE GERMOPLASM COLLECTION (*VITIS VINIFERA* L.)**

Iliana (Dumitru) A.M., Manolescu A.E., Sumedrea D.I., Popescu C.F., Cosmulescu S.N.

11h30 – 11h40 Alexandrescu Manolescu A. Andreea Elena (Doctoral School of Plant and Animal Resources Engineering, Faculty of Horticulture, University of Craiova, Romania.

National Research and Development Institute for Biotechnology in Horticulture – Stefanesti, Arges, Romania)

**ASSESSMENT OF GENETIC DIVERSITY OBTAINED BY REGENERATION FROM ANTHÉR-CULTURE WITH TOMATO ‘COSTATE 21’ CULTIVAR**

Alexandrescu Manolescu A. Andreea Elena, Sumedrea D.I. , Popescu C.F., Dumitru A.M., Cosmulescu S.N.

11h40 – 11h50 Untaru Aurelian Valentin (University of Craiova, Doctoral School of Engineering of Animal and Plant Resources)

**PARTIAL RESULTS ON FRUITS ASSESSMENT OF SOME WALNUT GENOTYPES PRESERVED AT RIFG PITESTI, ROMANIA**

Untaru Aurelian Valentin, Botu Mihai, Stan Adelina, Butac Mădălina

11h50 – 12h00 Stoenescu Ana-Maria (University of Craiova, Faculty of Horticulture)

**ELLAGIC ACID: A REVIEW ON SOURCES AND MEDICINAL IMPORTANCE**

Stoenescu Ana-Maria, Trandafir Ion

12h00 – 12h10 Matei Ioana-Cristiana (University of Craiova, Faculty of Horticulture)

**MUSCLES - PHYSIOLOGICAL CONSIDERATIONS AND PATHOPATHOLOGY**

Olaru Mariana Luminița, Matei Ioana-Cristiana

12h10 – 12h20 Stamin Florin Daniel (University of Craiova, Faculty of Horticulture)

**SYSTEMATIC ANALYSIS OF MAMMALS FROM THE VLĂDILA FOREST PROTECTED ARIA ROSCI0183**

Stamin Florin Daniel, Olaru Mariana Luminița

12h20 – 12h30 Raicu Maria (Botanic Garden ‘D. Brandza’, University of Bucharest)

**OXALIS DEBILIS, AN INDOOR ORNAMENTAL PLANT NEW NATURALIZED IN ROMANIA**

Raicu Maria, Camen-Comănescu Petronela, Petra Sorina, Toma Florin

**LUNCH, VISIT THE EXHIBITION**

**12h30 – 14h00**

**POSTER PRESENTATION**

**14h00 – 15h30**

**Moderators: Assoc. Prof. PhD. Dinu Maria  
Assoc. Prof. PhD. Dodocioiu Ana Maria**

**ENVIRONMENTAL PRESSURES AND THREATS OF THE RIPARIAN FOREST VEGETATION IN LAKE TRICHONIDA (GR2310009)**

Stergiannis Panagiotis, Efthimiou Georgios, Mertzanis Aristeidis

**ENHANCING THE NUTRITIONAL PROFILE OF *TENEBRIO MOLITOR* USING THE LEAVES OF *MORINGA OLEIFERA***

Konstantina Kotsou, Theodoros Chatzimitakos, Vassilis Athanasiadis, Eleni Bozinou, Christos I. Rumbos, Christos G. Athanassiou, Stavros I. Lalas

**QUANTITATIVE ANALYSIS OF SOME CLASSES OF BIOACTIVE ANTIOXIDANT COMPOUNDS IN FENNEL (*FOENICULUM VULGARE* MILL.) LEAVES**

Popoviciu Dan Răzvan, Pricop Simona-Mariana

**EFFECT OF NEGATIVE TEMPERATURE SHOCK ON THE PRIMARY RESISTANCE OF MAIZE HYBRIDS**

Caus Maria, Dascalu Alexandru, Borozan Pantelimon

**CONTRIBUTION TO THE DAMSELFLY FAUNA (ODONATA: ZYGOPTERA) OF DOLJ COUNTY (SW ROMANIA)**

Babalean Anda Felicia

**ODONATA OF ROMANESCU PARK (CRAIOVA, ROMANIA) IN THE YEARS 2022 AND 2023**

Babalean Anda Felicia

**EFFICACY AND SELECTIVITY OF HERBICIDES TO CONTROL WEEDS IN CHICKPEA CROP AT MOARA DOMNEASCĂ, ROMANIA**

Ciontu Valentin-Marius, Gradilă Marga, Gîdea Mihai

**ORCHARD EVALUATION OF CHERRY VARIETY-ROOTSTOCK ASSOCIATIONS IN THE SECOND YEAR AFTER PLANTING**

Moga Andreea Anamaria

**DISCOVERY AND IMPACT OF THE SPOTTED WING DROSOPHILA (*DROSOPHILA SUZUKII*) (MATSUMURA 1931) (DIPTERA: DROSOPHILIDAE) IN A MIXED RASPBERRY AND BLACKBERRY PLANTATION IN PERIȘOR, DOLJ, ROMANIA**

Toma Oana-Mihaela, Mitrea Ion

**EVALUATION OF THE *IN VITRO* ANTIFUNGAL POTENTIAL OF NATURAL EXTRACTS AND SYNTHETIC PESTICIDES ON THE GROWTH AND DEVELOPMENT OF THE PATHOGEN *BOTRYTIS CINEREA***

Din Alin, Cristea Stelica, Sardaescu Ionela-Daniela, Vizitiu Diana-Elena, Nedelea Gina, Vilcoci Denisa, Cirstea Georgiana, Mihaescu Cristina, Mitrea Rodi

**THE IMPACT OF THE PRUNING TIME ON THE BIOLOGICAL PROPERTIES OF CHERRY VARIETIES GRAFTED ON MAXMA 14**

Bălan Valerian, Șarban Vasile

**THE BIOSTIMULATORY EFFECT OF BROWN ALGAE *ASCOPHYLLUM NODOSUM* ON GRAPEVINE**

Sirbu Carmen, Cioroianu Traian Mihai, Marin Nicoleta, Birescu Geanina

**MICROSCOPICAL TESTS FOR *MELILOTI HERBA***

Anghel Cristina Ștefania, Enache Monica

**ANTHROPOGENIC RESOURCES - OPPORTUNITIES FOR THE DEVELOPMENT OF WINE TOURISM IN OLTENIA**

Vintilescu V., Mărăcineanu L.C., Giugea N., Muntean C., Căpruciu R.

**CONSIDERATIONS REGARDING THE VASCULAR FLORA OF APPLE, PLUM AND CHERRY PLANTATIONS IN DOLJ COUNTY, ROMANIA**

Răduțoiu Daniel, Cosmulescu Sina Niculina, Gheorghiu Nicolae, Stoenescu Ana Maria

**THE EFFECT OF PEPPERMINT, CLOVE, CINNAMON, SAGE AND ORANGE ESSENTIAL OILS ON *LACTOBACILLUS BULGARICUS* BACTERIA**

Tuțulescu Felicia, Niculae Laura Gabriela, Ristea Camelia Ramona

**PRELIMINARY RESULTS ON FRUIT QUALITY OF THE APPLE CULTIVATED IN ECOLOGICAL SYSTEM**

Ștefan (Untaru) Roxana Ionela, Botu Mihai, Mareși Eugenia, Militaru Mădălina

**RESEARCH REGARDING THE RESURSELE VEGETALE DIN ZONA TISMANA AREA, GORJ COUNTY**

Stan Catalin, Schinteie Ion

**POSTER PRESENTATION**

**15h45 – 17h00**

**Moderators: Assoc. Prof. PhD. Daniel Răduțoiu  
Assoc. Prof. PhD. Mărăcineanu Cristian**

**MAKING YOGHURT FLAVOURED WITH ESSENTIAL OILS**

Tuțulescu Felicia, Ionică Mira Elena, Niculae Laura Gabriela

**INSECTS SPECIES INVOLVED IN WASTE BIOCONVERSION AND USE AS ANIMAL FEED**

Țucă Ovidiu, Stan Cătălin

**ASSESSMENT OF SOME AGROBIOLOGICAL AND TECHNOLOGICAL DESCRIPTORS WITHIN THE CLONAL SELECTION APPLIED TO *AUGUSTA* AND *VICTORIA* VARIETIES**

Ciobotea Cristina-Magdalena, Bănuță Florina Mădălina

**IMPLEMENTATION OF THE HACCP QUALITY SYSTEM FOR AMANDINA CAKE**

Căpruciu Ramona, Lazăr Mihaela-Nicoleta

**RESEARCH REGARDING THE PRESENCE OF BROWN MARMORATED STINK BUG *Halyomorpha halys* Stål IN DOLJ COUNTY**

Stan Catalin, Tuca Ovidiu Andrei



**THE GEOGRAPHICAL LOCATION AND VOCATION FOR QUALITY OF THE VINEYARDS AND WINE CENTERS IN OLTENIA – ARGUMENTS FOR THE DESIGN OF WINE TOURISM**

Badea George Lucian, Giugea Nicolae, Liviu Mărăcineanu

**EVALUATION OF SOME GENETIC RESOURCES USED IN THE APPLE IMPROVEMENT PROGRAM AT SCDP VOINEȘTI**

Gavrilă Marian Florin, Petre Gheorghe, Sina-Niculina Cosmulescu

**FAMOUS HYBRID TEA ROSES FROM THE BOTANIC GARDEN “DIMITRIE BRANDZA” ROSARIUM IN BUCHAREST**

Negulici Eduard Marius

**QUANTITATIVE ANALYSIS OF SOME CLASSES OF BIOACTIVE ANTIOXIDANT COMPOUNDS IN CARAWAY (*CARUM CARVI* L.) LEAVES**

Pricop Simona-Mariana, Popoviciu Dan Răzvan

**BIODIVERSITY AND HABITATS OF THE PROTECTED AREA ROSCIO174 STUDINITA FOREST**

Olaru Mariana Luminița, Cheptănariu Andrada Maria, Stamin Florin Daniel

**STUDY REGARDING GROUNDWATER POLLUTION IN THE AREA OF ȘIMNICU DE SUS**

Cazan Petrică-Lucian, Dodocioiu Ana-Maria, Buzatu Gilda-Diana

**EXPLORATION OF THE BIOACTIVE COMPOUNDS OF *MALUS DOMESTICA* AND POSSIBILITIES OF USING BY-PRODUCTS OF FRUIT PROCESSING IN THE JUICE INDUSTRY – REVIEW**

Mandache Maria-Bianca, Cosmulescu Sina-Niculina

**UTERINE ARTERIES DOPPLER VELOCIMETRY IN A PREGNANT WOMAN WITH GENETIC RISK FOR THROMBOPHILIA**

Olimid Diana

**ECOLOGICAL RECONSTRUCTION OF DEGRADED LANDS DUE TO WASTE ABANDONMENT IN A SOUTHERN AREA OF DOLJ COUNTY**

Țecu (Licsandru) Mariana-Cornelia, Buzatu Gilda-Diana, Dodocioiu Ana-Maria

**SECONDARY TECHNICAL OPERATIONS USED TO FORM THE CROWN OF THE TREES IN THE CHERRY ORCHARDS ON GISELA 6 IN THE FIRST YEARS AFTER PLANTING**

Peșteanu Ananie

**POSSIBILITIES OF USING EVERGREEN SPECIES IN EXTERIOR DECOR**

Mandă Manuela, Ilie Daniela

**RESEARCH ON THE POSSIBILITY OF USING THE ECOLOGICAL CONDITIONS IN THE RURAL AREA OF ȘIMNICU DE SUS BY GROWING VINES**

Costea Dorin Constantin, Mușuroi M. Alexandra-Nicoleta

**QUANTIFICATION OF ELLAGIC AND GALLIC ACID FROM LEAVES OF WILD FRUIT SPECIES BY UHPLC CHROMATOGRAPHY**

Stoenescu Ana-Maria, Trandafir Ion

**INCIDENCE OF ENTEROBACTERIACEAE IN NOSOCOMIAL INFECTIONS**

Ciupănu-Călugăru Eleonara-Daniela, Robert-Alexandru Bălan

17h00 – 17h30

DEBATES IN PLENUM AND FINAL CONCLUSIONS

## PARTICIPANTS

- Agricultural Research and Development Station Pitești.
- Agricultural Research and Development Station Turda.
- Agricultural University of Athens, Athina, Greece.
- Botanical Garden "D. Brândză" University of Bucharest.
- Department of Farm Buildings and Irrigation, Faculty of Agriculture, University of Selçuk, Konya, Turkey.
- Dolj County Council County Center for Nature Protection, Tourism and Sustainable Rural Development Dolj.
  - Forester MSc, Karaiskaki 2, Karpenisi 36100, Greece.
  - Institute of Biological Research, Iași County, Romania.
  - Institute of Genetics, Physiology & Plant Protection, Republic of Moldova.
  - Laboratory of Entomology and Agricultural Zoology, Department of Agriculture, Crop Production and Rural, Greece.
  - Ministry of Agriculture and Food Industry, Chisinau, Republic of Moldova.
  - National Research and Development Institute for Biotechnology in Horticulture Stefanesti-Arges.
    - National Research and Development Institute for Soil Science, Agro-chemistry and Environment -RISSA, Bucharest, Romania.
    - National University of Science and Technology Politehnica Bucharest, Pitești University Centre.
      - „Ovidius” University of Constanța, Faculty of Natural Sciences and Agricultural Sciences, Constanța, Romania.
      - Public Institution „Porumbeni” Institute of Phytotechnics, Republic of Moldova.
      - Regional Center of Research & Development for Materials, Processes and Innovative Products Dedicated to the Automotive Industry (CRC&D-AUTO), The National University of Science and Technology Politehnica Bucharest, Pitești University.
        - Research Institute for Fruit Growing Pitesti.
        - Research Station for Fruit Growing Constanta, Romania.
        - Research-Development Institute for Plant Protection, Ion Ionescu de la Brad, Bucharest, Romania.
        - Technical University of Moldova, Republic of Moldova.
        - The Voinesti Fruit Cultivation Research-Development Station, Dâmbovița, Romania.
        - University of Agronomic Sciences and Veterinary Medicine of Bucharest, Bucharest, Romania
        - University of Craiova, Faculty of Horticulture.
        - University of Craiova, Sciences Faculty, Department of Chemistry, Romania.
        - University of Thessaly, Department of Food Science and Nutrition, Karditsa, Greece;
        - University of Thessaly, Environment, School of Agricultural Sciences Karditsa, Greece.