

**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

**“60 YEARS OF HORTICULTURE EDUCATION IN CRAIOVA,
1962-2022”**

13 -14 October, 2022

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 13th-14th October 2022.

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,
Lecturer 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
- Adrian BACIU - Faculty of Horticulture, University of Craiova, Romania
- Valerian BĂLAN - Agrarian State University, Republic of Moldova
- Radu SESTRĂȘ - University of Agronomic Sciences and Veterinary Medicine Cluj-Napoca, Romania
- Constantin BĂDUCĂ - Faculty of Horticulture, University of Craiova, Romania
- Mihai BOTU - Faculty of Horticulture, University of Craiova, Romania
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- Dorin CAMEN - Banat University of Agricultural Sciences and Veterinary Medicine Timisoara, Romania
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- Vily CIMPOIAȘU - Faculty of Horticulture, University of Craiova, Romania
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- Alexandros PAPACHATZIS - Technological Education Institution of Thessaly, Larissa, Greece
- Jocelyne PÉRARD - Responsable de la Chaire UNESCO „Culture et tradition de Vin”, Université Bourgogne, France
- 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
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- Ramona CĂPRUCIU, Faculty of Horticulture, University of Craiova

PARTNERS:

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TELE U CRAIOVA

SOCIETY OF HORTICULTURISTS IN OLTENIA

HORTUS OLTENIA 1962 SOCIETY

UNIVERSITARIA PUBLISHING HOUSE

International Scientific Symposium

HORTICULTURE, FOOD AND ENVIRONMENT

Priorities and perspectives

SCIENTIFIC PROGRAM

13 October 2022	
9h00 – 09h30	Reception of participants
9h30 – 10h00	Opening ceremony
10h00 – 11h00	Celebration messages
11h00 – 11h30	Coffee break, visit the exhibition
11h30 – 13h00	Oral presentations
13h00 – 14h00	Lunch, visit the exhibition
14h00 – 14h50	Oral presentations
15h00 – 17h00	Poster presentation
17h00 – 17h30	Debates in plenum and final conclusions
18h00	Gala dinner (The university house)
14 October 2020	
Post symposium trip - optional Drobeta Turnu Severin, Stârmina (additional fee 70 lei)	

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. Cimpoiașu Vily Marius

11h30-11h40 – Bilal Acar (Department of Farm Buildings and Irrigation, Faculty of Agriculture, University of Selçuk, Konya, Turkey)

ASSESSMENT OF SPRINKLER IRRIGATION SYSTEMS FOR SUGAR BEET IRRIGATION IN KARAMAN PROVINCE, TÜRKİYE

Şaban Hamur, Bilal Acar

11h40-11h50 Nicolaescu Gheorghe (Technical University of Moldova, Republic of Moldova)

THE INFLUENCES DEGREE OF VARIOUS FACTORS ON THE DEVELOPMENT OF ENTERPRISES IN THE AGRICULTURAL SECTOR OF MOLDOVA REPUBLIC

Nicolaescu Gheorghe, Draghia Lucia, Colibaba Cintia, Cociorva Svetlana, Novac Tatiana, Nicolaescu Ana, Nicolaescu Ana Maria, Godoroja Mariana, Cotoros Inga, Dosca I., Voinesco Cornelia, Mogîldea Olga, Procopenco Valeria

11h50 – 12h00 Trif Andreea (University of Craiova, Faculty of Horticulture)

URBAN PUBLIC SPACE ANALYSIS - THE CASE STUDY OF BRAZDA RESIDENTIAL DISTRICT IN CRAIOVA

Trif Andreea

12h00-12h10 Pleșoianu Alina Mădălina (Dunarea de Jos University of Galați)

EFFECT OF PECTIN BASED EDIBLE COATINGS COMBINED WITH CHEMICAL DIPS CONTAINING ANTIMICROBIAL ADDITIVES AND ANTIBROWNING AGENTS ON THE QUALITY OF FRESH-CUT PEARS

Pleșoianu Alina Mădălina, Nour Violeta

12h10 – 12h20 Popoviciu Dan Răzvan (Ovidius University of Constanța, Faculty of Natural Sciences and Agricultural Sciences)

COMPARATIVE QUANTITATIVE ANALYSIS OF SOME CLASSES OF BIOACTIVE COMPOUNDS IN SOME TEA SORTIMENTS AND TEALIKE INFUSIONS AVAILABLE ON THE ROMANIAN MARKET

Popoviciu Dan Răzvan, Mălureanu Raluca-Alexandra

12h20 – 12h30 Popescu Carmen Florentina (National Research&Development Institute for Biotechnology in Horticulture Stefanesti)

PROTOCOL FOR *IN VITRO* ANTHHER CULTURE IN TOMATO AND THE CHARACTERIZATION OF REGENERATED PLANTS

Popescu Carmen Florentina, Manolescu Andreea Elena, Sumedrea Dorin Ioan, Popescu Aurel

12h30 – 12h40 Boștinăru Ion (University of Craiova, Faculty of Horticulture)

THE QUALITATIVE OENOLOGICAL POTENTIAL OF THE VINE VARIETIES FROM THE AMPELOGRAPHIC COLLECTION AT SCDVV DRĂGĂȘANI

Boștinăru Ion, Gorjan Sergiu-Ștefan, Botu Mihai

12h40 – 12h50 Bilici Inna (The State Agricultural University of Moldova)
THE PRODUCTIVITY OF APPLE TREES DEPENDING ON THE STRUCTURE OF THE CROWN AND THE BIOLOGICAL CHARACTERISTICS OF THE VARIETY

Bilici Inna, Balan Petru

12h50 – 13h00 Ionescu Nicolaie (Agricultural Research and Development Station Pitești)

VARIABILITY OF SOME MORPHOLOGICAL CHARACTERISTICS OF *Lamium purpureum* L. WEED

Ionescu Nicolaie, Popescu Diana, Badea Oana.

LUNCH, VISIT THE EXHIBITION

14h00 – 14h10 Petcov Andreea Adriana (University of Life Sciences "King Mihai I" from Timisoara)

THE STUDY OF SOME LANDRACES OF GARLIC FROM THE WESTERN REGION OF ROMANIA REGARDING CERTAIN QUANTITATIVE CHARACTERS

Petcov Andreea Adriana, Buzdugan Emilia, Moatăr Maria Mihaela, Velciov Ariana, Orboi Manuela Dora

14h10 – 14h20 Bîrzanu Felicia-Oana (University of Craiova, Faculty of Horticulture)

STUDIES ON THE HARMFUL ENTOMOFAUNA IN SOME VEGETABLE CROPS IN SOUTH OF OLTENIA

Bîrzanu Felicia-Oana, Mitrea Ion

14h20 – 14h30 Nasui Vasile (Department of Engineering and Technologic Management, Faculty of Engineering, Technical University of Cluj Napoca, Victor Babes 62A, 430083, Baia Mare, Romania.)

ANALYSIS OF DYNAMIC PARAMETERS FOR ELECTROMECHANICAL ACTUATORS USED IN AGRICULTURAL MACHINERY

Nasui Vasile, Banica Mihai, Butnar Lucian

14h30 – 14h40 Şugar Ioan Radu (Department of Engineering and Technologic Management, Faculty of Engineering, Technical University of Cluj Napoca, Victor Babes 62A, 430083, Baia Mare, Romania)

THE STUDY ON METHODS OF COMBATING WEEDS FROM RED CLOVER CULTURE IN THE CONDITIONS OF SATU MARE COUNTY

Mondici Susana, Moisa Floare, Smit Gergely-Andrei, Brejea Radu, Şugar Ioan Radu

14h40 – 14h50 Răduţoiu Daniel (University of Craiova, Faculty of Horticulture)

THE CHOROLOGY OF *PLANTAGO MAXIMA* (PLANTAGINACEAE) IN ROMANIA

Răduţoiu Daniel

**POSTER PRESENTATION
15h00 – 17h00**

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

COMPARATIVE QUANTITATIVE ANALYSIS OF SOME CLASSES OF BIOACTIVE COMPOUNDS IN SOME COFFEE SORTIMENTS AVAILABLE ON THE ROMANIAN MARKET

Popoviciu Dan Răzvan, David Roxana-Valentina

STUDIES ON THE DEVELOPMENT OF SOME STRATEGIES FOR SWEET CHERRY TREE PLANTING DISTANCE AND MANAGEMENT

Bălan Valerian, Sarban Vasile, Ivanov Igor

LABORATORY ASSESSMENT OF SOME POTATO GENOTYPES WITH POTENTIAL RESISTANCE TO LATE BLIGHT DISEASE (*PHYTOPHTHORA INFESTANS*)

Hermeziu Manuela

CHLOROPHYLL ESTIMATION OF SOME POTATO CLONES WITH POTENTIAL RESISTANCE TO LATE BLIGHT DISEASE (*PHYTOPHTHORA INFESTANS*)

Hermeziu Radu, Hermeziu Manuela, Nitu Sorina, Adam Lorena, Petre Diana, Chelmea Carmen

THE STATISTICAL SITUATION OF EAFRD INVESTMENTS IN THE SW OLTENIA REGION, THROUGH SUBMEASURE 4.1. - INVESTMENTS IN FRUIT-GROWING HOLDINGS – DURING THE 2014-2020 PERIOD

Ciobanu Banța Alin, Cosmulescu Sina

IDENTIFICATION OF CHANGES IN THE METABOLIC PROCESSES OF GERMINATION AND GROWTH OF MAIZE SEEDLINGS UNDER THE INFLUENCE OF HEAT STRESS AND THE USE OF REGLALG

Caus Maria, Dascaluic Alexandru, Borozan Pantelimon

THE BEHAVIOR OF SOME TOMATO GENOTYPES UNDER CONDITIONS OF THERMO-HYDRIC STRESS IN THE AREA OF SANDY SOILS

Sfirloagă Loredana Mirela, Nanu Ștefan, Diaconu Aurelia, Șerban Maria Diana, Băjenaru Maria-Florentina, Bârsoghe Cristina, Frățuțu Felicia, Dima Milica.

ON TWO POLYCELIS SPECIES FROM ROMANIA – *POLYCELIS PANTHERINA* SP. NOV. AND *POLYCELIS FELINA LOMENSIS* BABALEAN, 2019 WITH EMENDATION AND COMPLETION OF THE 2019 NOMENCLATURAL ACT UNDER ARTICLE 10.1 (PLATYHELMINTHES, TRICLADIDA, PLANARIIDAE)

Babalean Anda Felicia

***CHALCOLESTES COLORAENEUS* (ODONATA, ZYGOPTERA, LESTIDAE) SP. NOV. FROM ROMANIA**

Babalean Anda Felicia

EFFECT OF PEPERMINT AND OREGANO ESSENTIAL OIL ON OLIVE SEED GERMINATION

Kalorizou Helen, Giannoulis Paschalis, Kiritsaka Eirini, Papachatzis Alexandros

VARIATION OF SOME NEW MORPHOLOGICAL CHARACTERS OF SOYBEAN PLANTS

Nicolaie Ionescu, Oana Badea, Diana Popescu

THE BEHAVIOR OF SOME VINE VARIETIES WITH WHITE GRAPES IN THE AMPELOGRAPHIC COLLECTION OF SCDCPN DĂBULENI

Băjenaru Maria-Florentina, Diaconu Aurelia, Nanu Ștefan, Bîrsoghe Cristina, Paraschiv Alina, Sfîrloagă Loredana, Dima Milica, Rățoi Iulian.

THE EFFECT OF ORGANIC FERTILIZATION ON THE FENNEL CROP

Simion Enuță

RESEARCH ON THE BEHAVIOR OF SOME GENOTYPES OF GARDEN BEANS ON THE SANDY SOILS OF SOUTHERN OLTENIA

Bîrsoghe Cristina, Nanu Ștefan, Diaconu Aurelia, Paraschiv Alina-Nicoleta, Sfîrloagă Loredana-Mirela, Băjenaru Maria-Florentina, Șerban Maria-Diana, Dima Milica

EVALUAREA POTENȚIALULUI TEHNOLOGIC AL UNOR SOIURI DE VIȚĂ DE VIE PENTRU STRUGURI DE VIN ÎN CONDIȚII DE RISC CLIMATIC

Enache Viorica, Ciubucă Aurel, Tabaranu Gabriel

VITICULTURAL AND WINEMAKING TECHNOLOGY FOR HIGH QUALITY RED WINE DEVELOPMENT AT SCDVV BUJORU

Ciubuca Aurel, Cioroi Oana, Enache Viorica, Stoica Marius Florin, Ponor Liviu

HIGHLIGHTING OF EXTRACELLULAR ENZYMES FROM YEAST AND THEIR ROLE IN WINEMAKING

Ciubuca Aurel, Cioroi Oana, Enache Viorica, Stoica Marius Florin, Ponor Liviu

PHYSICOCHEMICAL PROPERTIES AND ANTIOXIDANT ACTIVITY OF SOME TROPICAL FRUITS

Ionică Mira Elena, Tutulescu Felicia, Nour Violeta

RESPONSES OF SEED GERMINATION AND SEEDLING GROWTH OF DIFFERENT MAIZE HYBRIDS TO LOW POSITIVE TEMPERATURE STRESS

Caus Maria, Dascaluic Alexandru, Borozan Pantelimon

STUDY OF APHID POPULATION IN SEED POTATO CROP

Bărăscu Nina, Donescu Daniela, Petre Diana, Adam Lorena

INFLUENCE OF REGALIS PLUS PRODUCT ON THE GROWTH AND FRUITING OF APPLE TREES

Peșteanu Ananie

THE EVOLUTION OF THE WATERMELONS CULTURE OVER TIME

Nanu Ștefan, Paraschiv Alina-Nicoleta, Sfîrloagă Loredana Mirela, Diaconu Aurelia, Frățuțu Felicia, Ciuciuc Elena, Băjenaru Maria-Florentina, Bîrsoghe Cristina, Șerban Maria.

STUDIES CONCERNING THE USEFUL ENTOMOFAUNA IN SOME VEGETABLE CROPS IN SOUTHERN OLTENIA

Bîrzanu Felicia-Oana, Mitrea Ion

IMPACT OF TECHNOLOGICAL INTERVENTIONS ON THE FAUNA STRUCTURE IN SWEET POTATO AGRO-ECOSYSTEM IN THE CONDITIONS OF SANDY SOILS FROM SCDCPN DABULENI

Iamandei Maria, Cotet George, Radulea Mădălina, Popa Ionuț Cristian, Georgescu Raluca, Nanu Ștefan

ENTOMOPATHOGENIC EFFECT OF SOME *Beauveria* ISOLATES ON THE TOMATO LEAF MINER *Tuta absoluta* (MEYRICK) (LEPIDOPTERA: GELECHIIDAE) LARVAE UNDER LABORATORY CONDITIONS

Iamandei Maria, Fătu Ana-Cristina, Rădulea Mădălina, Popa Ionuț Cristian, Roșca Ioan

TWO YEARS OF POPULATION DYNAMICS FOR THE GRAPEVINE LEAFHOPPER *SCAPHOIDEUS TITANUS* ON PERGOLA VINE IN A HOME GARDEN.

Florescu Ioana, Teodoru Andrei

BIOCHEMICAL ATTRIBUTES OF SOME FIG (*FICUS CARICA* L.) GENOTYPES GROWN IN THE SOUTH-WEST REGION OF ROMANIA

Bona Ana, Camen Dorin, Becherescu Alexandra, Alexa Ersilia, Cocan Ileana Dascălu Ionuț, Iordănescu Olimpia Alina.

ABOUT INVASIVE AND POTENTIAL INVASIVE SPECIES FROM OLTENIA, ROMANIA

Răduțoiu Daniel

BIODIVERSITY OF THE DANUBE DELTA

Olaru Mariana Luminița, Dicu Ionela-Cristina

THE BEHAVIOR OF SOME SOYBEAN GENOTYPES FROM SCDA TURDA ON THE STAGNOGLEIZED PRELUVOSOL FROM SCDA LIVADA

Mondici Susana, Ács Peter-Balázs, Goga Nicolae, Chiver Olivian, Giurgiulescu Liviu.

FRUIT JUICE CLARIFICATION WITH BENTONITE

Giurgiulescu Liviu, Chiver Olivian, Hendre Cristian.

QUALITATIVE ANALYSIS OF SOME TYPES OF BREAD

Căpruciu Ramona, Rădănuț Alexandra

RESEARCH REGARDING THE ENTOMOFAUNA FROM PESTISANI AREA, GORJ COUNTY

Stan Catalin, Tuca Ovidiu, Ciupeanu Calugaru Eleonora Daniela

EVALUATION OF SOME APPLE ELITES WITH GENETIC RESISTANCE TO DISEASES, CANDIDATES FOR OBTAINING NEW VARIETIES

Gavrilă Marian Florin, Petre Gheorghe

AIR QUALITY STUDY IN CRAIOVA MUNICIPALITY BASED ON DATA PROVIDED BY URADM INDEPENDENT SENSOR NETWORK

Buzatu Gilda-Diana, Dodocioiu Ana-Maria

POTATO AND SUGAR BEET TECHNOLOGICAL QUALITY AS RESULTS OF DIFFERENT FERTILIZATION

Bărăscu Nina, Gherman Ioan, Cioloca Mihaela

NEWLY INTRODUCED ROSE CULTIVARS IN ROSARIUM OF THE BOTANIC GARDEN "D. BRANDZA", UNIVERSITY OF BUCHAREST

Negulici Eduard Marius

THE BUCF HERBARIUM DATABASE OF ALLOCHTHONOUS OAKS

Pleșca Bogdan-Ionuț, Scărlătescu Virgil, Pleșca Ioana Maria

ULTRASONOGRAPHIC ASPECTS OF THE CERVIX IN CHRONIC CERVICITIS

Olimid Diana

IDENTIFICATION OF THREATS OF FISH PROTECTED SPECIES IN THE SITE ROSCI0045 THE JIU CORRIDOR

Ciupeanu Eleonora Daniela, Țucă Ovidiu Andrei, Stan Cătălin

RESEARCH REGARDING THE ENTOMOFAUNA FROM A MEADOW IN CIUPERCENI (GORJ) AREA

Țucă Ovidiu Andrei, Stan Cătălin, Ciupeanu Eleonora Daniela

"TROPICAL" ROMÂNIA – ADVANTAGES AND DISADVANTAGES

Gruia Marius

THE STUDY REGARDING THE AMPELOGRAPHIC CHARACTERIZATION OF SOME HYBRID ELITES AT I.N.C.D.B.H. ȘTEFĂNEȘTI

Bănuță Mădălina, Cristina-Magdalena Ciobotea, Adriana Bădulescu, Gina Nedelea

PERFORMING THE FIRST STAGES OF THE CLONAL SELECTION SCHEME IN VICTORIA AND AUGUSTA TABLE GRAPE VARIETIES

Ciobotea Cristina-Magdalena, Bănuță Florina-Mădălina, Bădulescu Adriana

17h00 – 17h30

DEBATES IN PLENUM AND FINAL CONCLUSIONS

PARTICIPANTS

- Academy of Economic Studies of Moldova, Republic of Moldova.
- Agricultural Research and Development Station Pitești.
- Center of Excellence for Viticulture and Oenology, Republic of Moldova
- Department of Farm Buildings and Irrigation, Faculty of Agriculture, University of Selçuk, Konya, Turkey.
- “Iași University of Life Sciences (IULS), România.
- Institute of Genetics, Physiology & Plant Protection, Republic of Moldova.
- National Institute of Research and Development for Potato and Sugar Beet Brasov (Romania).
- National Research and Development Institute for Biotechnology in Horticulture Stefanesti-Arges.
- National Institute for Research and Development in Forestry “Marin Drăcea”, Romania.
- NGA Infoconsulting Ltd., Republic of Moldova.
- „Ovidius” University of Constanța, Faculty of Natural Sciences and Agricultural Sciences, Constanța, Romania.
- Public Institution „Porumbeni” Institute of Phytotechnics, Republic of Moldova.
- Research and Development Station for Viticulture and Vinification Bujoru, Romania.
- Research and Development Station for Viticulture and Vinification Drăgășani, Vâlcea, Romania.
- Research-Development Station for Plant Culture on Sands Dabuleni.
- State Agricultural University of Moldova, Faculty of Horticulture.
- Technical University of Moldova, Republic of Moldova.
- University of Craiova, Faculty of Horticulture.
- University of Life Sciences "King Mihai I" from Timisoara.
- University of Patras, Department of Crop Science, Messolongi, Greece.
- University of Pitesti.
- University of Thessaly, Department of Agriculture - Agrotechnology, Gaiopolis Campus, Larisa Greece.
- University of Bucharest, Botanical Garden “D. Brândză.”
- Voinesti Research-Development Station for Fruit Growing.