



UNIVERSITY OF PITESTI
FACULTY OF SCIENCES,
PHYSICAL EDUCATION AND INFORMATICS



International Symposium
Current Trends in Natural Sciences
Program

May 19-21, 2022



International partners:

Mansoura University,
Egypt



Atatürk University,
Erzurum, Turkey



Zaporizhzhia National University,
Zaporizhzhia, Ukraine



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(alphabetical order)

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Monica POPESCU – University of Pitesti, Romania

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Monica NEBLEA – University of Pitesti, Romania

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Nicoleta RĂBAN-MOTOUNU – University of Pitesti, Romania

Ion SCURTU -The Academy for Agricultural and Forestry
Sciences – Horticulture Section

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Liliana Cristina SOARE – University of Pitesti, Romania

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Telat YANIK – Agri Ibrahim Cecen University, Turkey

Alina Mihaela TRUȚĂ - University of Pitesti, Romania

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(alphabetical order)

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Vincenzo CANDIDO - University of Basilicata, Italy

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Gabriel Alexandru MARINESCU - University of Pitesti, Romania

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Monica Angela NEBLEA - University of Pitesti, Romania

Magdalena NEGRU - University of Pitesti, Romania

Ivo ONDRASEK - Mendel University of Brno, Czech Republic

Alina PAUNESCU - University of Pitesti, Romania
Michele PERNIOLA - University of Basilicata, Italy
Marian PETRE - University of Pitesti, Romania
Cristina Maria PONEPAL - University of Pitesti, Romania
Aurel POPESCU - University of Pitesti, Romania
Florentina Carmen POPESCU - National Research and Development
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Romania, Romania
Cristian Gheorghe POPESCU - University of Pitesti, Romania
Monica POPESCU - University of Pitesti, Romania
Nicoleta RABAN – MOTOUNU - University of Pitesti, Romania
Tamer RIZAOGLU - Kahramanmaras Sutcu Imam University,
Turkey
Ion SCURTU - The Academy for Agricultural and Forestry Sciences
– Horticulture Section, Romania
Yasser SHABANA - Mansoura University, Egypt
Liliana Cristina SOARE - University of Pitesti, Romania
Daniela Ileana STANCU - Arges County Museum, Romania
Anca Nicoleta SUTAN - University of Pitesti, Romania
Yanik TELAT - Agri Ibrahim Cecen University, Turkey
Asea TIMUS - The State Agrarian University of Moldova, Republic
of Moldova
Alina Mihaela TRUTA - University of Pitesti, Romania
Robert ULEWICZ – Czestochowa University of Technology,
Czestochowa, Poland
Aydin UZUN - Erciyes University, Turkey

**Section: Biology
& Promoting Quality of Life & Interdisciplinary Research**

SKYPE Web Meeting: <https://join.skype.com/AUJfF22agiFN>

Thursday, 19 May 2022

Chairpersons:

- Assoc. Prof. Liliana Cristina Soare, PhD, University of Pitesti, România
- Assoc. Prof. Anca Nicoleta Şuţan, PhD, University of Pitesti
- Assoc. Prof. Alina Păunescu, PhD, University of Pitesti
- Assoc. Prof. Nicoleta Răban-Motounu, PhD, University of Piteşti, România
- Research Assistant Oana Drăghiceanu, PhD, University of Pitesti, România

First Part Section: 10.00 - 12.30

10.00 - 10.15: Opening Speech

10.15 - 12.00: Paper Presentations

1. PSYCHOLOGICAL RESOURCES MOBILIZED BY THE PERSONS WHEN FACED WITH THE CHALLENGE OF THE CORONAVIRUS

Nicoleta Răban-Motounu, Ileana L. Vitalia, Ionuţ A. Chiru

2. QUANTITATIVE ANALYSIS OF BACTERIAL LOAD OF *BORRELIA* SPP. AND *RICKETTSIA* SPP. IN TICKS COLLECTED FROM BIRDS IN DIFFERENT SITES OF REPUBLIC OF MOLDOVA

Alexandr Morozov

3. ANTIBIOTIC RESISTANCE PROFILE OF THE NEWLY ISOLATED LACTIC ACID BACTERIA STRAINS FROM TRADITIONAL FERMENTED FOODS

Ramize Hoxha, Dilyana Nikolova, Yana Evstatieva

4. NEW THERMOPHILIC *THERMOBIFIDA* STRAIN KB-T3 FROM ALGERIAN SAHARAN SOIL: ISOLATION AND POLYPHASIC TAXONOMY

Nacera Benoussaid, Dalila Boubetra, Affaf Laassami, Khaoula Bouznada, Michael D. Holtz, Nouredine Bouras, Atika Meklat

5. EFFECTS OF SILVER NANOPARTICLES ON GROWTH PARAMETERS OF RADISH (*Raphanus sativus*) GROWN UNDER DEFICIT IRRIGATION

Özlem Çakmakci, Talip Çakmakci, Suat Şensoy

6. EFFECT OF IRON, BORON AND ZINC APPLICATIONS ON YIELD AND QUALITY TRAITS OF SOME SOYBEAN CULTIVARS (*Glycine max* (L.) Merr.)

Emrullah Culpan

7. *CARUM CARVI* – A SPECIES OF FOOD INTEREST WITH ANTIMICROBIAL PROPERTIES. A SHORT REVIEW

Aurica Breica Borozan, Sorina Popescu, Despina Bordean, Alina Dobrei

8. MORPHOLOGICAL VARIABILITY IN THE NEW VARIETIES OF TRITICALE, HAIDUC AND FDL BOLID

Nicolaie Ionescu, Oana Badea, Diana Popescu, Mariana Nicolaie

9. THE USE OF A SELECTED FAST-SEDIMENTATION GREEN MICROALGA FOR WASTEWATER TREATMENT

Ana Valentina Ardelean, Cristina Moisescu, Ana-Maria Moroşanu, Ioan Ardelean, Calina Petruţa Cornea

10. THE INFLUENCE OF LIGHT ON THE BIOSYNTHESIS OF
PT AND AU NANOPARTICLES BY *SHEWANELLA*
ONEIDENSIS MR-1

Adrian Ghinea, Cristina Moiescu, Ana-Maria Morosanu,
Ioan I. Ardelean

11. Changes in Microbial Intestine Flora of Brown Trout (*Salmo
trutta fario*) Fed with Prebiotic Added Feeds

Hurrem Yumuk Arslan, Gonca Alak, Telat Yanık

12. EFFECTS OF HEAT STRESS ON SOME BIOCHEMICAL
TRAITS OF SMALL REDDISH BEAN

Cigdem Aydogan, Ece Turhan

13. THE ROLE OF ANTIOXIDATIVE ENZYMES IN TOMATO
LEAVES UNDER HEAT STRESS AT TWO
DEVELOPMENTAL PHASES

Ece Turhan, Cigdem Aydogan, Sergul Ergin

14. BIOCONTROL BACTERIA AGAINST BOTRYTIS GRAY
MOLD AND OTHER STRAWBERRY FUNGAL
PATHOGENS

Sorina Dinu, Oana-Alina Boiu-Siculia, Lavinia-Diana-Nicoleta Barbu

15. BACILLUS ORIGINATED TRANSGLUTAMINASE
ENZYME: PROPERTIES AND USAGE

Büşra Gün, Semih Yılmaz

16. INDOLE ACETIC ACID (IAA) PRODUCTION POTENTIAL
OF PGPR BACTERIAL ISOLATES AND THEIR EFFECT ON
SEED GERMINATION IN ZEA MAYS L.

Semih Yılmaz, Emel Ünlü, Khalid Mamoori Aysun Çetin

17. LIQUID INOCULUM - PROMISING TECHNOLOGY SEQUENCE FOR PRODUCING THE SPAWN OF *PLEUROTUS OSTREATUS* AND *PLEUROTUS COLUMBINUS* STRAINS

Alexandru Valentin Zăgrean, Ionuț-Cristian Rusu,
Mihai Bogdan Nicolcioiu

18. RESEARCH ON OBTAINING *LIQUID* MYCELIA FROM *PLEUROTUS* SPP. STRAINS AND TESTING THEIR FRUITING POTENTIAL

Ionuț-Cristian Rusu, Mihai Bogdan Nicolcioiu

12.00 - 12.30: Questions & Answer Session

Second Part Section: 12.30 – 15.00

12.30 - 14.00: Paper Presentations

19. THE EFFECT OF *CHLORELLA SOROKINIANA* UTEX 1230 AS A BIOFERTILIZER ON TOMATO CULTURE ROMEC 554J VARIETY CULTIVATED ON SANDY SOILS AT RDSPCS DĂBULENI

Loredana-Mirela Sfirloagă, Mihaela Croitoru, Aurelia Diaconu,
Ștefan Nanu, Ioan Ardelean

20. EXTRACTION TIME INFLUENCE ON THE PHENOLIC AND CAROTENOID LEVEL, AND DYNAMICS OF ANTIOXIDANT ACTION OF CHOKEBERRY DRY RESIDUE

Ivona Cristina Enescu (Mazilu), Sina Cosmulescu, Daniela Giosanu,
Loredana Elena Vijan

21. IDENTIFICATION OF THE NUTRITIONAL STATUS OF A REPRESENTATIVE GROUP OF CHILDREN AGED BETWEEN 12-15 YEARS OLD

Adriana Macri, Fulvia-Ancuța Manolache

22. ROMANIAN KIWIFRUIT BREEDING PROGRAM -
PRELIMINARY STUDY OF FIFTEEN MALE HYBRIDS FOR
SELECTION AS POLLINATORS

Lavinia Mihaela Iliescu, Vlad Ioan Popa,
Nirmal Kumar Meena, Florin Stănică

23. INFLUENCE OF CULTURE SUBSTRATE PH ON
CORDYCEPS MILITARIS MUSHROOM CORDYCEPIN
CONTENT, GROWN ON DIFFERENT SOLID SUBSTRATES

Melinda Rózsa, Ioan-Alexandru Apahidean, Dănuț-Nicolae Măniuțiu

24. THE INFLUENCE OF CORDYCEPS MILITARIS
CULTIVATION TEMPERATURE, CULTIVATED ON
DIFFERENT SOLID SUBSTRATES, ON THE CORDYCEPIN
CONTENT

Melinda Rózsa, Ioan-Alexandru Apahidean, Dănuț-Nicolae Măniuțiu

25. THE NUTRITIONAL RESOURCE POTENTIAL OF
ORGANIC MANURE AND
ITS RISK ON THE ENVIRONMENT

Daniela Giosanu, Felicia Bucura, Marius Constantinescu,
Anca Zaharioiu, Loredana Vîjan, Gabriela Mățăoanu

26. APPLICATION OF SPECTROSCOPY IN ANALYSIS
OF SOME FLORAL HONEY SAMPLES PRODUCED
IN ARGES AND CALARASI COUNTIES IN THE SOUTH OF
ROMANIA IN 2021

Daniela Giosanu, Carmen Topală, Loredana Vîjan,
Andreea Rădulescu, Ivona Mazilu

27. INFLUENCE OF EXTRACTION TIME ON SOME
BIOCHEMICAL CONSTITUENTS OF BLUEBERRY
FROZEN FRUITS

Oana Hera, Monica Sturzeanu, Mădălina Vulpe, Daniela Giosanu,
Loredana Elena Vîjan, Răzvan Teodorescu

28. PRELIMINARY RESULTS REGARDING THE TOTAL SUGAR CONTENT OF GENITORS BLUEBERRY AND HYBRID PROGENIES
Oana Hera, Monica Sturzeanu, Ivona Mazilu, Daniela Giosanu, Loredana Elena Vîjan, Răzvan Teodorescu
29. THE INFLUENCE OF POTATO SLICE SIZE ON THE ACRYLAMIDE LEVEL OF POTATOES FRIED UNDER FAST FOOD CONDITIONS
Gabriela-Andreea Horneț, Alina Cristina Adascălului, Mioara Negoită, Adriana Laura Mihai
30. THE MARKERS OF THE CANINE NUTRITION SYSTEM
Raluca Alexandra Nila Stratone
31. FOOD ALLERGIC AND HYPERSENSITIZATION DERMATITIS
Raluca Alexandra Nilă Stratone
32. *TANACETUM VULGARE* L - A NEW AND PROMISING SOLUTION IN STAPHYLOCOCCAL INFECTIONS
Horațiu Roman, Veronica Lazăr, Paul Dragoș Aligică, Carmen-Mariana Chifiriuc
33. ASPECTS REGARDING THE ATTACK OF SOME BIODETERIOGENS ON SOME CULT OBJECTS FROM ARGES COUNTY
Cristina Mihaescu, Cristina Ponopal, Monica Marilena Țânțu, Gheorghîța Brînzea, Nicolae Brînzea, Liliana Cristina Soare, Alina Paunescu
34. THE JOURNEY OF PERSONAL DEVELOPMENT
Ancuta Bangal, Ileana-Loredana Vitalia

35. EXPLORING THE RESOURCES OF COMPASSION AND NATURE CONNECTEDNESS TO DEVELOP PROACTIVE COPING STRATEGIES

Ileana-Loredana Vitalia

36. PHYTOTOXICITY OF *HELLEBORUS ODORUS* WALDST. & KIT. EX WILLD. EXTRACTS

Liliana Cristina Soare, Oana Alexandra Drăghiceanu,
Nicoleta Anca Şuţan

14.00 - 15.00:

- Questions & Answer Session
- Discussions & Future cooperation
- Conclusions

15.00 End of Symposium Section

Section: Ecology and Environmental Protection

SKYPE Web Meeting: <https://join.skype.com/AD5l8rRIULB>

Friday, 20 May 2022

Chairpersons:

- Lecturer Monica Neblea, PhD, University of Pitesti
- Lecturer Daniela Bărbuceanu, PhD, University of Pitesti
- Lecturer Alina Mihaela Truță, PhD, University of Pitesti
- Lecturer Ionica Deliu, PhD, University of Pitesti

First Part Section: 9.00 - 12.00

09.00 - 09.15: Opening Speech

09.15 – 11.40: Paper Presentations

1. ECO-DENDROMETRIC CHARACTERIZATION OF
PISTACIA ATLANTICA STANDS IN THE STEPPE REGION
OF NAÂMA (ALGERIA)

Abdelkrim Benaradj, Hafidha Boucherit, Djamel Anteur, Ali Mihi & Moussa Houhamdi

2. FLORISTIC STUDY AND SEED GERMINATION TEST OF
HAMMADA SCOPARIA (POMEL) STEPPE SPECIES FROM
THE NAAMA REGION

Hafidha Boucherit, Abdelkrim Benaradj

3. LONG-TERM HYDROLOGICAL DROUGHT ANALYSIS IN
AGRICULTURAL IRRIGATION AREA: THE CASE OF
DÖRTYOL-ERZIN PLAIN, TURKEY

Evren Turhan, Serin Değerli, Eda Nur Çatal

4. STUDY OF PLANT DIVERSITY IN THE RANGELANDS OF *STIPA TENACISSIMA* L: CASE OF SFISSIFA AND EL BIODH REGION, (SOUTH WEST ALGERIA)

Lakhdar Guerine, Kouider Hadjadj, Habib Mouissa,
Naziha Benamara, Naimai Bendouina

5. CONSIDERATION OF DENDROMETRIC AND ECOLOGICAL CHARACTERISTICS AS INDICATORS OF REHABILITATION OF ATLAS PISTACHIO STANDS (*PISTACIA ATLANTICA* DESF.): CASE OF THE SOUTHWESTERN REGION OF NAËMA (WESTERN ALGERIA)

Lakhdar Guerine, Abdessamed Derdour, Kouider Hadjadj

6. USE OF SATELLITE REMOTE SENSING FOR THE CHARACTERIZATION OF THE EFFECT OF DEFORESTATION IN THE SEMI-ARID REGION : CASE OF THE SENALBA CHERGUI, DJELFA FOREST (ALGERIA)

M'hammed Khader, Kouider Hadjadj, Habib Mouissa,
Boudjema Sahel

7. TEMPERATURE EFFECTS ON THE ENTOMOPATHOGENIC FUNGI *BEAUVERIA BASSIANA* STRAIN CNMN-FE-01: VEGETATIVE GROWTH, SPORULATION, GERMINATION RATE

Anna Moldovan, Natalia Munteanu-Molotievskiy, Ion Toderas

8. IMPACT OF INVASIVE PLANT SPECIES ON ECOSYSTEMS, BIODIVERSITY LOSS AND THEIR POTENTIAL INDUSTRIAL APPLICATIONS

Maria Denisa Cocîrlea, Simona Oancea

9. PRELIMINARY RESULTS REGARDING THE
DISTRIBUTION OF HERPETOFAUNA OF COMMUNITY
INTEREST FROM ROSCI0065

Popescu Adina, Ibanescu Daniela Cristina, Nica Aurelia,
Cristescu Mihaela

10. PRELIMINARY RESEARCH ON THE EURASIAN OTTER
(*LUTRA LUTRA*, LINNAEUS, 1758) POPULATION IN THE
ROOSCI 0065 PROTECTED AREA

Ibănescu Daniela Cristina, Cristescu Mihaela, Popescu Adina,
Nica Aurelia

11. STUDIES ON CENTIPEDE ECOLOGY (MYRIAPODA:
CHILOPODA): A BIBLIOMETRIC REVIEW

Constanta-Mihaela Ion, Dumitru Murariu

12. STUDY OF FISH COMMUNITIES IN THE MIDDLE AND
LOWER BASIN OF THE ARGES RIVER (ROMANIA)

Dorel Ureche, Teodora Ramona Pintilieasa, Alina Păunescu, Roxana
Elena Voicu, Camelia Ureche

13. AQUACULTURE IN TURKEY

Telat Yanik

14. CHARACTERIZATION OF SOME PARAMETERS FROM
THE DISCHARGED WATERS IN THE VALSAN RIVER

Alexandru Marinescu, Alina Paunescu, Cristina Ponopal,
Daniela Giosanu, Claudia Boțîrcă

15. CLIMATE ANALYSIS AND WEATHER FORECASTING
WITH DATA MINING: THE CASE OF ADANA PROVINCE
IN TURKEY

Mümine Kaya Keleş, Elif Kavak

11.40 - 12.00: Questions & Answer Session

12.00 - 12.30: Virtual Coffee break

Second Part Section: 12.30 - 15.00

12.30 - 14.00: Paper Presentations

16. BIOLOGICAL RISKS OF WASTE WATER FOR IRRIGATION

Fatma Ozkay, Ismail Tas, Hakan Ozkandan, A. Caglan Gunal

17. USE OF ACTIVE MICROORGANISM IN IMPROVING POND WATER QUALITY: CASE STUDY OF BEYTEPE POND

Fatma Ozkay, Ismail Tas, Hakan Ozkandan, A. Caglan Gunal, Tugba Yeter, Ceren Gorgisen, Betul Iba Cakir, Bekir Kutlu, M. Suat Inan, Ece Ates

18. PADDY PRODUCTION WITH DRIP IRRIGATION AND ECONOMIC ANALYSIS: CASE STUDY OF CANAKKALE-TURKEY

Ismail Tas, Yacin Coskun, Mevlut Akcura, Mahmut Kaplan

19. THE EFFECT OF EXCESSIVE SODIUM ON IRRIGATION WATERS CONTAINING ON SOIL INFILTRATION RATE

Ismail Tas, Y. Ersoy Yildirim, Zeki Gokalp

20. ANALYSIS OF SOIL QUALITY FOR DIFFERENT LAND USE PATTERNS USING PHYSICAL, CHEMICAL, AND BIOLOGICAL INDICATORS

Johnson Christian, Gopi Ghetiya, Vaibhavi Vadsola, Nitin Kumar Singh, Manish Yadav, Hirendrasinh Padhiyar

21. ASSESSMENT AND CHARACTERIZATION OF BIOAEROSOLS EMITTED FROM A LAB-SCALE WASTEWATER TREATMENT SYSTEM: A CASE STUDY OF TECHNICAL UNIVERSITY, INDIA

Tirth Bhatt, Johnson Christian, Nitin Kumar Singh, Gaurav Sanghvi, Manish Yadav, Abhishek Gupta, Hirendrasinh Padhiyar

22. SENSORY LANDSCAPING PROPOSAL FOR AN ACADEMIC GREEN SPACE

Timea Buru, Erzsebet Buta, Maria Cantor

23. ASSESSMENT OF THE INFLUENCE OF SOIL, CLIMATE AND CULTIVATION TECHNOLOGY ON WOODY BIOMASS ACCUMULATIONS IN PAULOWNIA TOMENTOSA X FORTUNEI (SHAN TONG)

Costea Marian, Nescu Vlad, Boldea Marius, Sumalan Radu

24. ASPECTS REGARDING THE APPEARANCE AND EVOLUTION OF THE PEST *TUTA ABSOLUTA* (LEPIDOPTERA: GELECHIIDAE) IN TOMATO CROPS IN GREENHOUSES

Simona Hogeia, Marcel Costache

25. ROMANIA'S NATIONAL AND NATURAL PARKS AND THEIR ECOLOGICAL AND ECOTURISTIC IMPORTANCE

Roxana Mitrici

26. THE INFLUENCE OF PEDOGENETIC COATING AND FOREST SITES ON PHENOTYPIC CHARACTERISTICS OF SPRUCE TREES

Steluța-Maria Sîngeorzan, Ioan Păcurar, Alina M. Truta, Irina Maria Morar, Liviu Holonec, Alexandru Colișar, Cornel Negrușier

27. RATIONAL USE OF OFF-SEASON RAINFALL AND WATER CONSUMPTION IN IRRIGATED CROPS IN THE CONDITIONS ON THE UPPER BASIN OF THE RIVER PRUT

Sorin Lucian Damian, Daniel Bucur, Sergiu Pruteanu

28. THE MAIN NON-TIMBER FOREST PRODUCTS FROM ALBA COUNTY

Raluca Enescu, Lucian Dincă, Diana Vasile

29. ASPECTS REGARDING THE IDENTIFICATION OF THE MICROFLORA PRESENT ON FOREST SEEDS INTENDED FOR SOWING IN SPRING 2022

Ioan Tăut, Mircea Moldovan, Vasile Şimonca, Florin Rebrean, Mircea Varga, Riti Augustin

30. A SURVEY OF PRESERVED SPECIMENS OF THE GENUS *FESTUCA* L. (*POACEAE*) IN ROMANIA

Diana Vasile, Lucian Dincă, Raluca Enescu

31. STUDY CONCERNING ALIEN FLORA FROM DÂMBOVIȚA COUNTY (ROMANIA)

Monica Angela Neblea, Mădălina Cristina Marian

14.00 - 15.00:

- Questions & Answer Session
- Discussions & Future cooperation
- Conclusions

15.00 End of Symposium Section

Section: Plant Science & Technology

SKYPE Web Meeting: <https://join.skype.com/IapqFF403eKJ>

Friday, 20 May 2022

Chairpersons:

- Assoc. Prof. Cristian Popescu, PhD, University of Pitesti
- Prof. Zeki Gokalp, PhD, Erciyes University, Turkey
- Assoc. Prof. Olena Boika, PhD, Zaporizhzhia National University, Ukraine
- Assoc. Prof. Tamer Rizaoglu, PhD, Kahramanmaras Sutcu Imam University, Turkey

First Part Section: 09.30 - 12.00

Chairpersons:

- Assoc. Prof. Cristian Popescu, PhD, University of Pitesti
- Assoc. Prof. Tamer Rizaoglu, PhD, Kahramanmaras Sutcu Imam University, Turkey

09.30 – 09.45: Opening Speech

09.45 - 11.30: Paper Presentations

1. COULD AFFECT THE ROOTING OF TWO *TAXUS BACCATA* VARIETIES STEM CUTTING LENGTH AND PROPAGATION PERIOD?

Zsolt Szekely-Varga, Endre Kentelky

2. EFFECT OF THE CUTTING LENGTH AND PROPAGATION PERIOD ON THREE *THUJA OCCIDENTALIS* VARIETIES

Endre Kentelky, Zsolt Szekely-Varga

3. PHOSPHITES FOR THE MANAGEMENT OF TOMATO
BACTERIAL SPECK

Saad Mohamed Haji Nour, Sumer Horuz

4. EFFECT OF PHOSPHORUS FERTILIZATION ON SILAGE
QUALITY OF PERSIAN CLOVER (*TRIFOLIUM
RESUPINATUM* L.)

Ertan Ateş, Hazım Serkan Tenikecier

5. RELATIONSHIPS BETWEEN PHYSICAL AND CHEMICAL
PROPERTIES OF SOILS AND PLANT NUTRIENT
CONTENT OF LEAVES IN THE APPLE ORCHARDS

Ercan Yıldız, Ahmet Sümbül, Mehmet Yaman

6. DETERMINATION OF THE EFFECT OF DISTANCE TO
HIGHWAY ON THE ACCUMULATION OF SOME HEAVY
METALS IN APPLE ORCHARDS

Ercan Yıldız, Bora Erkek, Kadir Uğurtan Yılmaz, Mehmet Yaman

7. PILOT PRODUCTION OF THE FIRST GRANULAR
MYCOOHERBICIDE TO COMBAT *OROBANCHE CRENATA*

Yasser Shabana, Mohamed El-Hawary, Mohamed Sadek

8. DECORATIVE GRASSES, A GREEN SOLUTION FOR
URBAN ARRANGEMENTS

Mihaela Ileana Oprea, Mădălina Vulpe, Daniela Giosanu

9. DETERMINING THE AMOUNTS OF NITRITES AND
NITRATES FROM 5 VARIETIES OF TOMATOES GROWN
IN A CLASSIC AND ECOLOGICAL SYSTEM

Mihaela Ileana Oprea, Madalian Vulpe, Ion Gabriel Bratu, Daniela Giosanu

10. RECIRCULATING AQUAPONIC SYSTEM ON DWC TYPE
FLOATABLE SUPPORT ICDIMPH – HORTING

Elena Dragomir, Mădălina Doltu

11. INFLUENCE OF SOME *SOLANUM* ROOTSTOCKS ON
EGGPLANT CROPS FROM ROMANIA

Elena Dragomir, Veronica Tănasă, Mădălina Doltu

12. RESULTS CONCERNING OBTAINING OF LETTUCE ON
PERLITE SUBSTRATE

Marian Stoian, Mădălina Doltu, Elena Maria Drăghici

13. ORGANIC FERTILIZER EFFICIENCY IN WINTER WHEAT
CROP

Diana Maria Popescu, Oana Daniela Badea,
Mariana Cristina Nicolae, Nicolaie Ionescu

14. RESULTS REGARDING SOYBEAN CROP ECOLOGY
IMPROVING

Oana Daniela Badea, Diana Maria Popescu,
Cristina Mariana Nicolae, Nicolaie Ionescu

15. ORGANIC FARMING IN ROMANIA AND TURKEY:
LEGAL FRAMEWORK, CERTIFICATION, PRESENT AND
TRENDS

Gheorghe Cristian Popescu, Mehment Yaman

11.30 - 11.50: Questions & Answer Session

11.50 - 12.00: Virtual Coffee break

Second Part Section: 12.00 - 14.00

Chairpersons:

- Assoc. Prof. Olena Boika, PhD, Zaporizhzhia National University, Ukraine
- Assoc. Prof. Cristian Popescu, PhD, University of Pitesti

12.00 - 13.30: Paper Presentations

16. ORGANIC FERTILIZATION INFLUENCE ON GROWTH AND FRUITING PROCESSES OF THREE APPLE CULTIVARS GROWN IN THE MARACINENI-ARGES AREA
Mirela Florina Calinescu, Ivona Cristina Mazilu, Emil Chitu, Mihai Chivu, Florin Plaiasu
17. THE ADAPTABILITY OF SOME SWEET CHERRY CULTIVARS WITH HIGH AGRO-PRODUCTIVE POTENTIAL ON THE CLIMATIC CONDITIONS OF IAȘI COUNTY
Ionuț Vasile Ungureanu, Iuliana Elena Golache, Cristina Zlati, Sorina Sîrbu, Margareta Corneanu, Iulia Mineață
18. EVALUATION OF SOME GROWTH PARAMETERS OF SWEET CHERRY CULTIVARS UNDER NORTH – EAST ROMANIAN CONDITIONS
Ionuț-Vasile Ungureanu, Iulia Mineață, Mihai Istrate, Margareta Corneanu, Elena Iurea, Iuliana Elena Golache
19. PARTIAL RESULTS REGARDING THE EVOLUTION OF SOME POTATO (*SOLANUM TUBEROSUM* L.) GENOTYPES IN TERMS OF CANOPY AND YIELD DEVELOPMENT
Manuela Hermeziu, R. Hermeziu, Lorena Adam
20. RESEARCH ON THE QUALITY OF TOMATOES GROWN WITH VERMICOMPOST FERTILIZATION, SOLARIUM CULTIVATION
Viorel Ilie, Mircea Mihalache
21. STUDIES ON THE *CELTIS AUSTRALIS* L. SEEDS PREPARATION METHODS IN ORDER TO SPEED UP GERMINATION
Daniela-Sabina Poșta, Sándor Rózsa, Tincuța-Marta Gocan, Ioana Mihaela Mălăescu

22. RESEARCH ON SEED GERMINATION STIMULATION AT
PAULOWNIA TOMENTOSA THUNB. STEUD.

Daniela-Sabina Poșta, Sándor Rózsa, Tincuța-Marta Gocan,
Ilie-Cosmin Cântar

23. MAINTAINING THE QUALITY OF CARNATION CUT
FLOWERS DEPENDING ON TEMPERATURE

Tincuța-Marta Gocan, Ileana Andreica, Daniela-Sabina Poșta,
Melinda Rózsa, Vasile Lazăr, Sándor Rózsa

24. CORRELATIONS CONCERNING SALT CONCENTRATION
IN PICKLED GREEN TOMATOES AND ORNAMENTAL
APPLES PRESERVED BY LACTIC FERMENTATION

Tincuța-Marta Gocan, Ileana Andreica, Daniela-Sabina Poșta,
Gheorghe Poșta, Vasile Lazăr, Sándor Rózsa, Orsolya Borsai

25. DYNAMICS OF SOME CHEMICAL COMPONENTS IN
TWO TOMATOES HYBRIDS, DURING TEMPORARY
STORAGE AT DIFFERENT TEMPERATURES, GROWN IN
SOLARIUM, IN THE PEDOCLIMATIC CONDITIONS OF
CLUJ COUNTY

Sándor Rózsa, Gheorghe Poșta, Dănuț-Nicolae Măniuțiu,
Ileana Andreica, Tincuța-Marta Gocan, Vasile Lazăr, Melinda Rózsa

26. CELLULASE ACTIVITY IN THE MATURATION PROCESS
OF TWO TOMATOES HYBRIDS GROWN IN SOLARIUM
IN THE PEDOCLIMATIC CONDITIONS FROM CLUJ
COUNTY

Sándor Rózsa, Gheorghe Poșta, Dănuț-Nicolae Măniuțiu, Ileana
Andreica, Tincuța-Marta Gocan, Vasile Lazăr, Melinda Rózsa, Ioan-
Alexandru Apahidean

27. SOME PECULIARITIES OF FLOWERING *PRUNUS*
ARMENIACA

Olena Boika

13.30 - 13.50: Questions & Answer Session

13.50 - 14.00: Virtual Coffee break

Third Part Section: 14.00 - 17.00

Chairpersons:

- Prof. Zeki Gokalp, PhD, Erciyes University, Turkey
- Assoc. Prof. Cristian Popescu, PhD, University of Pitesti

14.00 - 16.00: Paper Presentations

28. ALLELOPATIC EFFECTS OF SOME ESSENTIAL OIL COMPONENTS OF THYME AND ROSE ON GERMINATION: CASE STUDY OF BARLEY

Yalcin Coskun, Tulay Tutenocakli, Ismail Tas, Mevlut Akcura, Ayhan Oral

29. SEED AND LEAF CHARACTERISTICS OF OLIVE GENOTYPES COLLECTED FROM KAHRAMANMARAS REGION OF TURKEY

Fatma Ebru Yogurtcu, Aydin Uzun, Hasan Pinar

30. ASSESSMENT OF THE RESPONSE OF SOME MELON GENOTYPES (CUCUMIS MELO. L) TO DIFFERENT DOSES OF SALINITY (NACI)

Ulrich Funga, Hasan Pinar, Aydin Uzun

31. DETERMINATION OF IN VITRO SALT TOLERANCES OF SOME ANNUAL GRASS TYPES

Hasan Pinar, Nadide Kilingç, Mahmut Kaplan

32. DETERMINATION OF SELF-(IN) COMPATIBILITY USING MOLECULAR MARKERS OF SOME APRICOT CULTIVARS WHICH CULTIVATED IN TURKEY

Hasan Pinar, Aydin Uzun

33. DETERMINATION OF THE GENETIC SIMILARITIES/DIFFERENCES OF SOME ANNUAL GRASS VARIETIES

Mahmut Kaplan, Nadide Kiliç, Hasan Pinar

34. EFFECTS OF DIFFERENT IRRIGATION LEVELS AND NITROGEN DOSSES ON MINERAL CONTENTS OF MAIZE GRAINS

Mahmut Kaplan, Hasan Kale, Hasan Ali Irik, Yusuf Murat Kardes, İhsan Serkan Varol, Beyza Ciftci, Ali Unlukara

35. THE EFFECT OF HARVEST TIME ON HAY YIELD AND HAY QUALITY IN ANNUAL RYEGRASS CULTIVARS

Mehmet Aksan, Mahmut Kaplan

36. EFFECT OF PRE-TREATMENTS ASSISTED MICROWAVE DRYING ON KINETICS AND ENERGY ASPECTS OF DRAGON FRUIT

Necati Çetin, Seda Günaydin, Kevser Karaman, Cevdet Sağlam

37. ENERGY ASPECTS AND EFFECTIVE MOISTURE DIFFUSIVITY OF RED PEPPER: CHANGE IN CULTIVARS AND DRYING METHODS

Necati Çetin, Mahmut Kaplan, Hasan Pinar, Kevser Karaman, Beyza Çiftçi

38. MACHINE LEARNING BASED ESTIMATION OF DRYING CHARACTERISTICS OF APPLE SLICES

Necati Çetin

39. AGRICULTURE AND ENVIRONMENT INTERACTION

Sancar Bulut, Zeki Gökalp

40. ALLELOPATIC EFFECTS OF SOME ESSENTIAL OIL COMPONENTS ON GERMINATION AND SEEDLING GROWTH OF WHEAT

Tulay Tutenocakli, Yalcin Coskun, Ismail Tas, Ayhan Oral, Gulen Turker

41. EFFECTS OF DIFFERENT APPLICATIONS ON ROOTING CAPACITY OF BLACK ELDERBERRY CUTTINGS

Aydin Uzun, Hasan Pinar, Semih Yilmaz

42. SEED AND LEAF CHARACTERISTICS OF OLIVE GENOTYPES COLLECTED FROM KAHRAMANMARAS REGION OF TURKEY

Fatma Ebru Yogurtcu, Aydin Uzun, Hasan Pinar

43. EVALUATION OF GHG EMISSIONS OF DIFFERENT PROCESS FOR DRYING ORANGE SLICES

Zeki Gökalp, Necati Çetin

44. POTENTIAL USE OF BIOCHAR IN WASTEWATER TREATMENT OPERATIONS AND SOIL IMPROVEMENT

Zeki Gökalp, Sancar Bulut

16.00 - 17.00:

- Questions & Answer Session
- Discussions & Future cooperation
- Conclusions

17.00 End of Symposium Section

