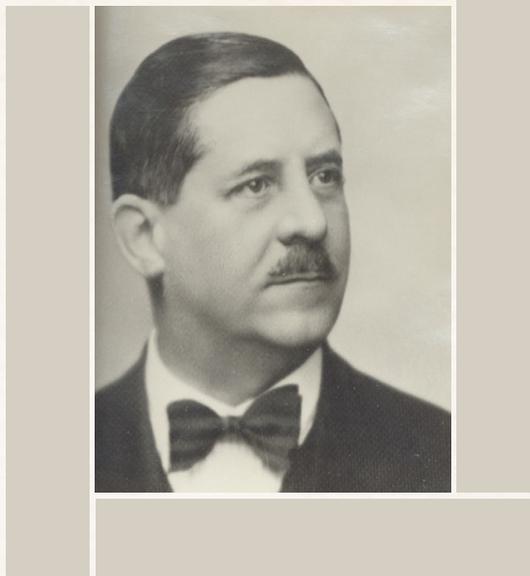




UNIVERSITY OF SZEGED  
**FACULTY OF AGRICULTURE**  
HÓDMEZŐVÁSÁRHELY



# **22<sup>nd</sup> Wellmann International Scientific Conference**





**UNIVERSITY OF SZEGED FACULTY OF AGRICULTURE**

in cooperation with

**UNIVERSITY OF LIFE SCIENCES "KING MIHAI I" FROM TIMISOARA**

**HUNGARIAN ACADEMY OF SCIENCES REGIONAL COMMITTEE IN SZEGED**

and

**FOUNDATION FOR AGRICULTURAL MODERNIZATION AND  
RURAL DEVELOPMENT**

**22<sup>nd</sup> Wellmann  
International Scientific Conference**

**PROGRAM**

15th May 2025

## CONFERENCE PROGRAM

**8:30 – 9:45:** **Registration** (Location: Fekete Sas Rendezvényház /Black Eagle Event Hall/ 6800 Hódmezővásárhely, Kossuth square 3.)

**10:00 – 10:15:** **Welcome** speeches & Conference opening (Location: Fekete Sas Rendezvényház /Black Eagle Event Hall/)

Dr. Dénes Mátyás - Deputy Director for Sustainability, University of Szeged

Dr. Edit Mikó - Dean of the Faculty of Agriculture, University of Szeged

Prof. Dr. Szilárd Czóbel – secretary of the conference, Faculty of Agriculture, University of Szeged

**10:15 – 11:30:** **Plenary Session** (Location: Fekete Sas Rendezvényház / Black Eagle Event Hall/)

**10:15 – 10:35:** Dr. Abdelkader Laribi (Agricultural Water Management Laboratory (LMEA), Soil Science Department, National Higher School of Agronomy, Algeria): Soil fertility assessment for sustainable agriculture: using nutrient and productivity indices in chebli, mitidja plain, Algeria

**10:35 – 10:55:** Prof. Dr. Eszter Tormáné Kovács (Hungarian University of Agriculture and Life Sciences): Some challenges in the assessment of ecosystem services provided by agroecosystems at different scales

**10:55 – 11:15:** Prof. Dr. Zoltán Bozóki (University of Szeged): Applications of photoacoustic spectroscopy in the service of sustainable agriculture

**11:30 – 12:15:** Poster Session (Location: Fekete Sas Rendezvényház /Black Eagle Event Hall)

Opening: József Horváth - Faculty of Agriculture, University of Szeged

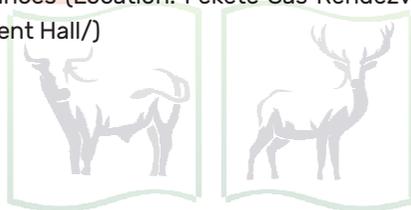
**12:15 – 12:30:** **Conference group photo** (Location: Fekete Sas Rendezvényház /Black Eagle Event Hall)

**12:30 – 13:30:** **Sandwich Lunch** (Location: Fekete Sas Rendezvényház / Black Eagle Event Hall)

**14:00 – 17:30:** Parallel Sessions (Location: Faculty of Agriculture, University of Szeged / 6800 Hódmezővásárhely, Andrassy street 15.)

- Agricultural production I. (seminar room 128)
- Agricultural production II. (Library reading room (77)
- Agricultural production III. (seminar room 123)
- Agricultural economics, Food processing & safety / Faculty Council Hall (220)/
- Environmental protection, Forestry, Nature conservation, Wildlife management / Trophy room (213)/
- Innovation in agriculture, Rural & sustainable development /seminar room 218/

**18:00 – 22:00:** Conference Social/Gala Dinner, Cultural and Musical Performances (Location: Fekete Sas Rendezvényház /Black Eagle Event Hall/)



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# PARALLEL SECTIONS

## AGRICULTURAL PRODUCTION I.

*Chair:* Prof. Dr. Özdal Gökdal, Turkey

*Co-chair:* Dr. Ágnes Süli, Hungary

*Location:* seminar room 128

### REGULAR PRESENTATIONS

**14:00-14:15**

CHALLENGES AND SOLUTIONS FOR CARP-DOMINANT POND  
AQUACULTURE IN HUNGARY TODAY

*Béla Urbányi*

**14:15-14:30**

TOWARDS SUSTAINABLE AND INCLUSIVE AGRICULTURE IN SKOURA  
M'DAZ: THE ROLE OF TERROIR PRODUCTS AND AGROECOLOGICAL  
PRACTICES

*Ghizlane Echchgadda*

**14:30-14:45**

IMMUNOCASTRATION IN MALE SHEEP AND GOATS

*Özdal Gökdal*

**14:45-15:00**

PRESERVING SILAGE QUALITY: THE SCIENCE BEHIND AEROBIC STABILITY  
AND SPOILAGE CONTROL

*Ágnes Süli*

**15:00-15:30** *Coffee break*

**15:30-15:45**

THE EFFECT OF HEAT STRESS ON THE INSEMINATION RESULTS IN DAIRY  
COWS

*Wissem Baccouri*



## SHORT PRESENTATION

### **15:45-15:50**

ANALYSIS OF PHYTOPLASMA DISEASE OF APRICOT PLANTATIONS WITH LABORATORY AND REMOTE SENSING METHODS

*Melinda Varga*

## AGRICULTURAL PRODUCTION II.

*Chair:* Prof. Dr. Mária Takácsné Hájos, Hungary

*Co-chair:* Dr. Alfonz Kedves, Hungary

*Location:* Library reading room (77)

### REGULAR PRESENTATIONS

#### **14:00-14:15**

AI AND COMPUTER TECHNOLOGY IN SWEET PEPPER (*CAPSICUM ANNUUM* L.) GROWING IN HUNGARY

*Ferenc Lantos*

#### **14:15-14:30**

EFFECT OF 6-BENZYLAMINOPURINE ON SWEET POTATO'S (*IPOMOEA BATATAS*) RESPONSE TO DROUGHT STRESS

*Gideon Adu Donyina*

#### **14:30-14:45**

EFFECT OF TILLAGE PRACTICES ON DURUM WHEAT (*TRITICUM DURUM*) PRODUCTIVITY UNDER SEMI-ARID CLIMATIC CONDITIONS.

*Mohamed Amine Feddal*

#### **14:45-15:00**

GREENER ALFALFA FIELDS: UNLOCKING DRY MATTER POTENTIAL WITH BI-OSTIMULANTS AND FOLIAR NUTRITION

*Ebenezer Ayew Appiah*

#### **15:00-15:30 Coffee break**

**15:30-15:45**

OPTIMIZING WINTER BARLEY (*HORDEUM VULGARE* L.) YIELD AND SOIL HEALTH: IMPACTS OF FOLIAR NUTRIENTS AND PRIMARY TILLAGE PRACTICES ON PRODUCTIVITY AND CO<sub>2</sub> EMISSIONS

*Amare Assefa Bogale*

**15:45-16:00**

THE ROLE AND IMPORTANCE OF VARIETY SELECTION IN THE CULTIVATION OF SALAD ONIONS

*Mária Takácsné-Hájos*

SHORT PRESENTATION

**16:00-16:05**

LONG TERM TILLAGE AND FERTILIZATION EFFECTS ON SOIL MICROBIAL ACTIVITY AND BIOMASS IN CORN RHIZOSPHERE

*Costa Gumisiriya*

AGRICULTURAL PRODUCTION III.

*Chair:* Dr. Tamás Monostori, Hungary

*Co-chair:* Baccouri Wissem, Tunisia

*Location:* seminar room 123.

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REGULAR PRESENTATIONS

**14:00-14:15**

EXAMINATION OF THE EFFECT OF CORN SMUT (*USTILAGO MAYDIS*) INFECTION ON PHYSIOLOGICAL PARAMETERS IN A SMALL-SCALE FIELD EXPERIMENT

*Vivian Bunch Davis*

**14:15-14:30**

FUNGICIDE EFFECT ON *FUSARIUM GRAMINEARUM* AND CONCENTRATION OF MYCOTOXIN IN THE EAR OF MAIZE (*ZEA MAYS* L.)

*Atala Hillary*

**14:30-14:45**

INTEGRATING CONSERVATION TILLAGE AND SOIL MONITORING FOR OPTIMISED SOIL MOISTURE IN SUSTAINABLE AGRICULTURE

*Ronald Kuunya*

**14:45-15:00**

INVESTIGATING THE OCCURRENCE OF SPECIES BELONGING TO GYMNO-  
PORANGIUM SPP, MAINLY ON PYRUS COMMUNIS AND JUNIPERUS COM-  
MUNIS IN DEBRECEN

*Aous Shaheen*

**15:00-15:30 Coffee break**

**15:30-15:45**

THE RELATIONSHIP BETWEEN SOIL CO<sub>2</sub> EMISSIONS AND DAILY EVAPORA-  
TION UNDER DIFFERENT WEATHER SEASONS

*Erastus Wasikoyo*

**15:45-16:00**

CLIMATE CHANGE AND NEW INSECT PESTS IN VITICULTURE

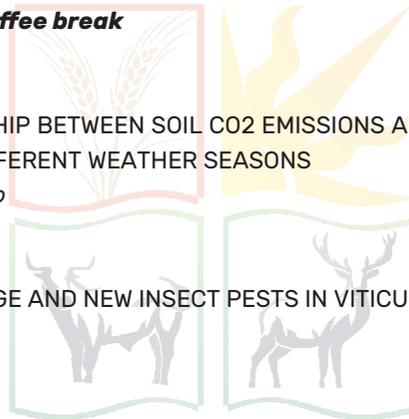
*András Hágén*

SHORT PRESENTATION

**16:00-16:05**

IMPACT OF SOWING DATES ON THE PERFORMANCE OF SWEET CORN HY-  
BRIDS (ZEA MAYS L. SACCHARATES)

*Hajer Sidahmed*



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# AGRICULTURAL ECONOMICS, FOOD PROCESSING, FOOD SAFETY & RURAL DEVELOPMENT

*Chair:* Dr. Balázs Duray, Hungary

*Co-chair:* Dr. Anamaria Supuran, Romania

*Location:* Faculty Council Hall (220)

## REGULAR PRESENTATIONS

### **14:00-14:15**

THE EFFECTS OF REGULATORY CHANGES ON THE ONGOING TRANSFORMATION OF PERI-URBAN AREAS IN HUNGARY

*Gábor L. Vasárus*

### **14:15-14:30**

MILK PRODUCTION WITH OUT UPBRINGING HEIFERS

*Gábor Bakos*

### **14:30-14:45**

HYPERSPECTRAL IMAGING: A VERSATILE TOOL FOR NON-INVASIVE ANALYSIS ACROSS FOOD ANALYSIS DOMAINS

*Malek Amiali*

### **14:45-15:00**

PRODUCTION OF MYCO-NANOMATERIAL PRODUCTS FROM PLEUROTUS OSTREATUS (AGARICOMYCETES) MUSHROOM

*Gréta Törös*

### **15:00-15:15**

EDIBLE COATINGS FOR FRUITS AND VEGETABLES PRESERVATION

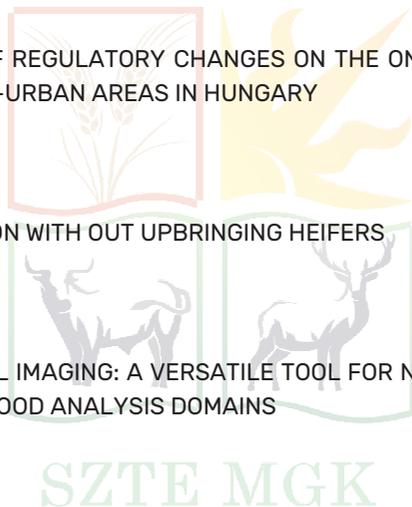
*Ali Zineddine Boumehira*

### **15:15-15:30**

FORMULATION OF FUNCTIONAL EDIBLE CUTLERY

*Ines Tehami*

### **15:00-15:30 Coffee break**



**16:00-16:15**

PHYSICAL-MECHANICAL PROPERTIES, SURFACE MORPHOLOGY, AND ANTIMICROBIAL ACTIVITY OF STARCH/CHITOSAN FILMS INCORPORATED WITH VANILLIN

Muhammad Iqbal Perdana

**16:15-16:30**

DIFFERENTIATED DEMOGRAPHIC TRENDS IN HUNGARIAN RURAL AREAS AND ITS IMPLICATIONS FOR RURAL SUSTAINABILITY

*József Lennert*

**16:30-16:45**

HUNGARIAN FARMERS' PERSPECTIVES ON THE CHALLENGES OF GENERATION CHANGE

*Áron József Borda*



**ENVIRONMENTAL PROTECTION, FORESTRY,  
NATURE CONSERVATION & WILDLIFE MANAGEMENT**

*Chair:* Prof. Dr. Eszter Tormáné Kovács, Hungary

*Co-chair:* Dr. Orsolya Szirmai, Hungary

*Location:* Trophy room (213)

*REGULAR PRESENTATIONS*

**14:00-14:15**

THE ROLE OF MOSSES IN CAPTURING CHRYSOTILE RELEASED FROM AGED AND DEGRADED ASBESTOS CEMENT ROOFING

*Gergely Zoltán Macher*

**14:15-14:30**

ESTIMATING THE POPULATION DENSITY OF EUROPEAN BADGER AND RED FOX USING CAMERA TRAPS

*Zoltán Horváth*

**14:30-14:45**

WINTERING BEHAVIOUR AND HABITAT USE OF GPS-TRACKED EURASIAN WOODCOCKS IN HUNGARY

*Itumeleng Kwena Malatji*

**14:45-15:00**

EVEN THE SMALLEST GAPS FACILITATE THE INVASION OF THE TREE OF HEAVEN (AILANTHUS ALTISSIMA) IN HUNGARY'S MOUNTAIN FORESTS

*Arnold Erdélyi*

**15:00-15:15**

THE SCIENCE OF NATURE CONSERVATION CITIZEN SCIENCE PROJECTS: HOW TO ENSURE SCIENTIFIC RIGOR?

*Johanna Soria Aguirre*

**15:15-15:45 Coffee break**

**15:45-16:00**

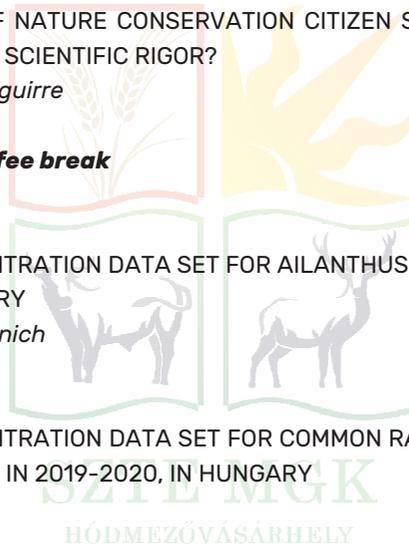
POLLEN CONCENTRATION DATA SET FOR AILANTHUS ALTISSIMA IN 2019-2020, IN HUNGARY

*Viktor József Vojnich*

**16:00-16:15**

POLLEN CONCENTRATION DATA SET FOR COMMON RAGWEED (AMBROSIA ARTEMISIIFOLIA) IN 2019-2020, IN HUNGARY

*Donát Magyar*



# INNOVATION IN AGRICULTURE & SUSTAINABLE DEVELOPMENT

*Chair:* Dr. József Horváth, Hungary

*Co-chair:* Dr. Wanjala George, Kenya

*Location:* seminar room 218

## REGULAR PRESENTATIONS

### **14:00-14:15**

FROM GREENHOUSES TO GREEN GOALS: EXPLORING THE FITOWISE AND ENOUGH PROJECTS

*Zsigmond Teglasy*

### **14:15-14:30**

IMPLEMENTATION SCALE-UP IN THE PRODUCTION OF PEPTAIBOL COMPOUNDS

*Dóra Balázs*

### **14:30-14:45**

THE EFFECT OF FEED CONTAINING BEETROOT MEAL ON THE DIFFERENT PARAMETERS OF QUAILS

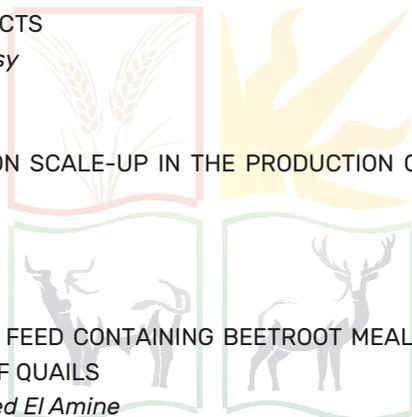
*Besbas Mohamed El Amine*

### **14:45-15:00**

APPLICATION OF INTERROW CROPS IN SUNFLOWER CULTURE

*Peter Streb*

### **15:00-15:30 Coffee break**



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**15:30-15:45**

INVESTIGATION OF SPRING RYE CULTIVATION POTENTIAL IN THE  
SOUTHERN GREAT PLAIN

*Vanessza Garabuczi*

**15:45-16:00**

THE INVESTIGATION OF ZINC OXIDE NANOPARTICLES (ZnONPs) ON  
AEROBIC GRANULATION

*Gizem Yüksel*



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For more information please visit our website:

🌐 <https://mgk.u-szeged.hu/english>

✉ [international.mgk@szte.hu](mailto:international.mgk@szte.hu)

📍 H-6800 Hódmezővásárhely, Andrassy út 15.



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