

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

**COMMITTEE ON AGRICULTURAL BIOTECHNOLOGY OF HUNGARIAN
ACADEMY OF SCIENCES**

and

**FOUNDATION FOR AGRICULTURAL MODERNIZATION AND RURAL
DEVELOPMENT**



110 ÉVE AZ OKTATÁS ÉS A TUDOMÁNY SZOLGÁLATÁBAN. 100 ÉVE SZEGED ÉS A RÉGIÓ FEJLŐDÉSÉÉRT.

SZTE SZEGEDI TUDOMÁNYEGYETEM
UNIVERSITY OF SZEGED



**23rd Wellmann
International Scientific Conference**

PROGRAM

21st May 2026

online conference

Conference program

Link: <https://mgk.u-szeged.hu/wellmann/section2026>

please select: [Wellmann Plenary Section](#)

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10:00 – 10:10: Welcome speech & Conference opening

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

10:10 – 11:30: Plenary Session

Link: <https://mgk.u-szeged.hu/wellmann/section2026>

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10:10 – 10:35: Prof. Dr. Hasan Önder /Ondokuz Mayıs University, Turkey/: AI usage in agriculture

10:35 – 11:00: Dr. Melinda Halassy /HUN-REN Centre for Ecological Research/: Integrating nature restoration into agriculture: implications of the EU Nature Restoration Regulation

11:00 – 11:25: Prof. Dr. Mária Takácsné-Hájos /University of Szeged/: Challenges and risk factors of vegetable production

00:01 – 23:59: Poster Session

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please select: [Wellmann Poster Section](#)

12:00 – 15:00: Parallel Sessions

- Agricultural Production & Economics
- Environmental Protection & Food Processing
- Nature Conservation, Forestry & Wildlife Management, Food safety
- Innovation & Precision in Agriculture, Rural & Sustainable Development

PARALLEL SECTIONS

AGRICULTURAL PRODUCTION & ECONOMICS

Chair: *Tamás Monostori*

Co-chair: *Wissem Baccouri*

Link: <https://mgk.u-szeged.hu/wellmann/section2026>

please select: **Agricultural Production & Economics Section Section**

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Regular presentations

12:00 12:15

ECONOMIC EFFICIENCY AND RESILIENCE OF PRECISION MAIZE PRODUCTION UNDER CLIMATIC STRESS: A HUNGARIAN CASE STUDY

Dávid Horváth

12:15 12:30

EUROPEAN CONSUMERS' PERCEPTIONS, ATTITUDES, AND ACCEPTANCE OF WHEAT-BASED FERMENTED FOOD PRODUCT

Aira Joy Aquino

12:30 12:45

PRICE VOLATILITY IN EU AGRICULTURAL MARKETS: MACROECONOMIC DRIVERS AND RISK MANAGEMENT STRATEGIES

Sabri Alipanah

12:45 13:00

EVALUATION OF IMMUNOGLOBULIN IN THE COLOSTRUM AND SERUM OF GREY CATTLE (BOS PRIMIGENIUS TAURUS HUNGARICUS) AND DOMESTIC BUFFALO (BOS BUBALUS HUNGARICUS) COWS AND THEIR CALVES ON A HUNGARIAN CATTLE FARM

Ádám Lenner

13:00 13:15

EFFECT OF EARLY LIFE REPRODUCTIVE

**PERFORMANCE ON LIFETIME PRODUCTIVITY IN
COMMERCIAL SOWS**

Joab Malanda Osotsi

13:15 13:30

**EFFECTS OF NITROGEN FERTILIZATION AND
GENOTYPE ON WINTER WHEAT YIELD
COMPONENTS**

Tímea Nagyné Mester

13:30 13:45

**EFFECTS OF NUTRITIONAL RESTRICTIONS ON
PLASMA PACAP LEVELS IN JAPANESE QUAIL**

Doha Mohamad Khalifeh

13:45 14:00

**SOIL DEGRADATION AND ITS REMEDIATION IN
CONTROLLED ENVIRONMENT AGRICULTURE
SYSTEMS**

József Varga

Short presentations

14:00 14:05

**COMPARATIVE EFFECTS OF MONOCULTURE AND
BICULTURE CROPPING SYSTEMS ON MAIZE YIELD
AND SUSTAINABILITY**

Magdoline Osman

14:05 14:10

**RESPONSE OF ORGAN MASS TO DIETARY
ARGININE LEVELS IN ADULT FEMALE JAPANESE
QUAIL**

Mequanint Gashew

14:10 14:15

**REVIEW OF THE IMPACT OF HEAT STRESS ON
PHYSIOLOGICAL PARAMETERS AND PRODUCTIVE
PERFORMANCE ACROSS LACTATION STAGES IN
DAIRY CATTLE**

Chiamaka Goodness Chukwuma

ENVIRONMENTAL PROTECTION & FOOD PROCESSING

Chair: *Tímea Süli-Zakar*

Co-chair: *László Makó*

Link: <https://mgk.u-szeged.hu/wellmann/section2026>

please select: **Environmental Protection & Food Processing Section**

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Regular presentations

12:00 12:15

DIFFERENTIAL PERFORMANCE OF INSECTICIDES AGAINST THE INVASIVE CACTUS PEST DACTYLOPIUS OPUNTIAE UNDER FIELD CONDITIONS

Sabrina Attia

12:15 12:30

MICROWAVE-INDUCED INJURIES IN SEEDLINGS OF TREE-OF-HEAVEN (AILANTHUS ALTISSIMA (MILL.) SWINGLE)

Marin Lukačević

12:30 12:45

MONITORING SOIL VARIABILITY IN RIPPED CHERNOZEM SOILS: ASSESSING THE EFFECTS OF IRRIGATION USING SOIL TEMPERATURE, SPAD, AND NDVI INDICATORS

Ronald Kuunya

12:45 13:00

PHYTOREMEDIATION IN AGRICULTURE. HEAVY METAL RETENTION IN PLANTS

Andreea Ardelean

13:00 13:15

RAGWEED AS AN INVASIVE PLANT IN HUNGARY

Viktor József Vojnich

13:15 13:30

ROLE OF MYCORRHIZA IN INDUCING PLANT DEFENSE AGAINST PIERCING-SUCKING INSECTS

Nada Abdennour

13:30 13:45

SETTLEMENT BEHAVIOR AND SPATIAL COLONIZATION PATTERNS IN SCALE INSECTS (HEMIPTERA: COCCOIDEA): IMPLICATIONS FOR TARGETED CONTROL STRATEGIES

Yasmine Chaouachi

13:45 14:00

THE RELATIONSHIP BETWEEN AGRICULTURAL AND FORESTRY ACTIVITIES AND ENVIRONMENTAL PROTECTION ACTIVITIES

Ioana Anda Milin

14:00 14:15

TOXIC AND SUBLETHAL EFFECTS OF INSECTICIDES FROM SAHARAN AGRICULTURE ON TWO TRICHOGRAMMA SPECIES

Nihel Ben Saad

Short presentation

14:15 14:20

PRODUCTION OF MYCO-NANOMATERIALS FROM SIX β -GLUCAN-RICH MEDICINAL MUSHROOMS VIA PYROLYSIS

Gréta Törös

**NATURE CONSERVATION, FORESTRY & WILDLIFE
MANAGEMENT, FOOD SAFETY**

Chair: *Orsolya Szirmai*

Co-chair: *László Beier*

Link: <https://mgk.u-szeged.hu/wellmann/section2026>

**please select: Nature Conservation, Forestry & Wildlife Management, Food safety
Section**

or:

[https://teams.microsoft.com/dl/launcher/launcher.html?url=%2F %23%2Fmeet%2F315077389884097%3Fp%3DyWzMWVsDvhFp2zYud8%26anon%3Dtrue&type=meet&deeplinkId=3c8362da-3117-4e53-a492-947da9f150f7&directDl=true&msLaunch=true&enableMobilePage=true&suppressPrompt=true](https://teams.microsoft.com/dl/launcher/launcher.html?url=%2F%20%23%2Fmeet%2F315077389884097%3Fp%3DyWzMWVsDvhFp2zYud8%26anon%3Dtrue&type=meet&deeplinkId=3c8362da-3117-4e53-a492-947da9f150f7&directDl=true&msLaunch=true&enableMobilePage=true&suppressPrompt=true)

Regular presentations

12:00 12:15

**AGROFORESTRY AND NUTRITION: A SYSTEMATIC
REVIEW EXPLORING INTERCONNECTIONS
BETWEEN AGROFORESTRY AND FOOD SYSTEMS**

Rina Dinaj

12:15 12:30

**GULLY EROSION, ITS SPATIOTEMPORAL
DYNAMICS, AND CONTRIBUTING FACTORS IN THE
SOUTHWESTERN ETHIOPIA**

Tekalign Assefa

12:30 12:45

**REMOTE SENSING ASSESSMENT OF CHANGES IN
THE WATER SURFACE OF LAKE PÉTERI: A MULTI
YEAR NDWI–MNDWI COMPARISON**

Nóra Pintér

12:45 13:00

**SOCIO-ECOLOGICAL DRIVERS OF LAND USE AND
LAND COVER CHANGE AND IMPLICATIONS FOR
SUSTAINABLE LAND MANAGEMENT IN
SOUTHWESTERN ETHIOPIA**

Tekalign Assefa

13:00 13:15

**WHAT DO WE KNOW ABOUT URBAN WILDLIFE IN
LATIN AMERICA AND THE CARIBBEAN? A**

SYSTEMATIC REVIEW ABOUT THE REGION

Maria Margarita Arrieta-Garcia

Short presentation

13:15 13:20

**VEGETATION DYNAMICS AND DROUGHT IMPACT
ASSESSMENT USING NDVI TIME-SERIES IN A
NATURA 2000 GRASSLAND IN THE SOUTHERN
GREAT PLAIN**

Éva Rárósi

INNOVATION & PRECISION IN AGRICULTURE, RURAL & SUSTAINABLE DEVELOPMENT

Chair: *Balázs Duray*

Co-chair: *Adrienn Szarvas*

Link: <https://mgk.u-szeged.hu/wellmann/section2026>

please select: **Innovation & Precision in Agriculture, Rural & Sustainable Development Section**

or:

<https://teams.microsoft.com/dl/launcher/launcher.html?url=%2F%20%23%2Fmeet%2F361396782690776%3Fp%3DxuuNVCVOJUjqjNokDA%26anon%3Dtrue&type=meet&deeplinkId=036317f7-f9d0-4bfc-bd7e-59b4e7ee97ba&directDl=true&msLaunch=true&enableMobilePage=true&suppressPrompt=true>

Regular presentations

12:00 12:15

ASSESSING BEHAVIORAL RESPONSES AND ADAPTATION OF CATTLE TO UNCREWED AERIAL VEHICLE PRESENCE

Máté Farkas

12:15 12:30

INNOVATIVE SOLUTIONS IN AGRICULTURE AND ENVIRONMENTAL PROTECTION-DRIVING INNOVATION VIA SOCIAL MEDIA

Reut Ben Ami

12:30 12:45

CARBON-NEUTRAL WASTE MANAGEMENT FOR RURAL DEVELOPMENT: THE GTDM APPROACH

Balázs Duray

12:45 13:00

LONG-TERM TRANSFORMATION OF VINEHILLS ON THE RURAL-URBAN FRINGE: THE CASE OF KECSKEMÉT

Ádám Szalai

13:00 13:15

POLYCRISIS FROM THE PERSPECTIVE OF THE GRAPE AND WINE SECTOR IN THE SAND RIDGE REGION

Gábor L. Vasárus

13:15 13:30

**SUSTAINABILITY OF TECHNOLOGICAL
EQUIPMENT – ENERGY EFFICIENCY AND WASTE
REDUCTION**

Iuliana Ioana Merce

Short presentation

13:30 13:35

**APPLICATION OF A RAPID PEPTAIBOL ASSAY
METHOD TO AN ARCHIVE TRICHODERMA
COLLECTION**

Dóra Balázs