

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**

**FOUNDATION FOR AGRICULTURAL MODERNIZATION AND RURAL
DEVELOPMENT**

and

**SCIENTIFIC COMMITTEE, AGRICULTURAL AND BIOSYSTEMS
ENGINEERING OF HUNGARIAN ACADEMY OF SCIENCES**



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

SZTE SZEGEDI TUDOMÁNYEGYETEM
UNIVERSITY OF SZEGED



**21st Wellmann
International Scientific Conference**

PROGRAM

18th April 2024

Hódmezővásárhely

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/)

Prof. Dr. Márta Széll - Vice-Rector for Strategic Planning,
University of Szeged

Dr. Mariana Ramona Ciolac - Dean of the Faculty of
Management and Rural Tourism, University of Life Sciences
"King Mihai I" from Timisoara

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

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

10:15 – 10:35: Prof. Dr. Mehdi Ben Mimoun /University of Carthage, National Agronomic Institute of Tunisia/: Relation between agrobiodiversity, water availability and microclimate characteristics in the oases of Kebili, Tunisia

10:35 – 10:55: Dr. Sándor Beszédes /University of Szeged/: Technological challenges and paradigm shifts in wastewater treatment and SLUDGE utilization

10:55 – 11:15: Dr. Béla Halasi-Kovács /SCIAP Research and Development Consulting Ltd./: Environmental challenges of European freshwater aquaculture and possible answers to be given on policy level

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, Andrásy street 15.)

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

18:00 – 22:00: Conference Social Dinner & Cultural Events (Location: Fekete Sas Rendezvényház /Black Eagle Event Hall/)

PARALLEL SECTIONS

AGRICULTURAL PRODUCTION I.

Chair: *Ákos Benk, Hungary*

Co-chair: *Wanjala George, Kenya*

Location: seminar room 128

Regular presentations

14:00 14:15

**INBREEDING AND INBREEDING DILEMMA IN
INDIGENOUS GOATS UNDER EXTENSIVE
PRODUCTION SYSTEMS: A REVIEW**

Nelly Kichamu

14:15 14:30

**REPRODUCTIVE FAILURE REMOVAL AMONG
NURSE SOWS**

Joab Malanda Osotsi

14:30 14:45

**RELAY CROPPING AS A TOOL FOR IMPROVING THE
RESILIENCE AND SUSTAINABILITY OF THE
ENVIRONMENT: A BIBLIOGRAPHIC ANALYSIS**

Ronald Kuunya

14:45 15:00

**ASSESSMENT OF SOIL SALINITY USING LANDSAT-8
SATELLITE IMAGERY AND GEOGRAPHIC
INFORMATION SYSTEM: A CASE STUDY OF THE
IRRIGATED AREA IN THE LA MINA REGION OF
ALGERIA**

Abdelkader Laribi

15:00 15:15

**EXPERIENCE AND PERSPECTIVES ON THE
REHABILITATION OF STEPPE ECOSYSTEMS IN
ALGERIA**

Brahim Bouchareb

15:15 15:30

**EFFECT OF THE PARTIAL SUBSTITUTION OF CORN
SILAGE BY HYDROPONIC BARLEY IN DAIRY COWS'
DIET DURING THE EARLY LACTATION ON
PRODUCTION AND REPRODUCTIVE
PERFORMANCE**

Abdelhafid, Keli

15:30 16:00 Coffee break

16:00 16:15

**CLIMATE FREQUENCY ANALYSIS FOR CEREAL
YIELD FORECASTING IN MOROCCO**

Saad Drissi

16:15 16:30

**CAPON AS A NOVEL PRODUCT IN NATIVE
CHICKENS**

Ákos Benk

Short presentations

16:30 16:35

**THE EFFECT OF mTOR AND RELATED SIGNALING
PATHWAY ON AGEING IN BIRDS - A REVIEW**

Mequanint Gashew, Achenef

16:35 16:40

**INFLUENCE OF BREEDING PRACTICES AND
SEASONS ON THE QUANTITY AND QUALITY OF
RAW MILK PRODUCED IN NORTHEASTERN
ALGERIA**

Abdeldjalil Youcefi

AGRICULTURAL PRODUCTION II.

Chair: *Mária Takácsné Hájos, Hungary*

Co-chair: *Tamás Monostori, Hungary*

Location: seminar room 123

Regular presentations

14:00 14:15

EFFICACY OF BTH AND NEEMAZAL AGAINST AN AGGRESSIVE ISOLATE OF SUNFLOWER DOWNY MILDEW CAUSED BY PLASMOPARA HALSTEDII (FARL.(BERL. ET DE TONI)

Arbnora Berisha

14:15 14:30

INFLUENCE OF NITROGEN FERTILIZATION AND HYBRIDS ON CHLOROPHYLL CONTENT AND CONSEQUENT MAIZE GRAIN YIELD

Muhoja Sylvester Nyandi

14:30 14:45

NUTRIENT MANAGEMENT PRACTICES FOR ENHANCING PRODUCTIVITY, NUTRITIONAL COMPOSITIONS, AND QUALITY IN DURUM WHEAT

Anteneh Agezew Melash

14:45 15:00

INTEGRATED AGROECOLOGICAL PRACTICES TO SUPPORT WEED MANAGEMENT AND IMPROVE PRODUCTIVITY: CASE OF LENTIL (*LENS CULINARIS* MEDIK) AND FAVA BEAN (*VICIA FABA* VAR. *MINOR* L.) IN MEKNES REGION, MOROCCO.

Saadia Belmalha

15:00 15:15

PRODUCTION OF PEPTAIBOLS BY TRICHODERMA STRAINS BELONGING TO CLADE HARZIANUM AND THEIR BIOACTIVITIES

Dóra Krisztina Balázs

15:15 15:30

STRAIN MAINTENANCE AND SPAWN PRODUCTION OF WHITE BUTTON MUSHROOM

Judit Bajzát

15:30 16:00 Coffee break

16:00 16:15

EFFECT OF BIOSTIMULANTS APPLICATION IN CULTIVATION OF WINTER BARLEY

Melinda Tar

16:15 16:30

EVALUATION OF BEETROOT VARIETIES FOR DIFFERENT USES

Mária Takácsné Hájos

Short presentations

16:30 16:35

COMPARATIVE ANALYSIS OF TWO-ROW WINTER BARLEY VARIETIES IN A SMALL PLOT TRIAL

Dániel Gaganez

16:35 16:40

EFFECT OF DIFFERENT SOWING DATES ON YIELD OF FOUR HYBRIDS OF SWEET CORN (*ZEA MAYS* L.) SACCHARATES

Hajer Mohamed Ibrahim Sidahmed

16:40 16:45

INTERACTION STUDIES BETWEEN WINTER WHEAT AND WINTER PEA IN INTERCROPPING

Marianna Vályi Nagy

16:45 16:50

OPTIMIZING COMPOST INGREDIENTS FOR WHITE BUTTON MUSHROOM (*AGARICUS BISPORUS*) PRODUCTION: EVALUATING CALCIUM SULFATE SUBSTITUTES

Andras Misz

**AGRICULTURAL ECONOMICS,
FOOD PROCESSING & SAFETY**

Chair: *Anita Csiba, Hungary*

Co-chair: *Adrienn Szarvas, Hungary*

Location: Trophy room (213)

Regular presentations

14:00 14:15
**USE OF FOOD SUPPLEMENTS AMONG
VEGETARIANS**
Gréta Újvári

14:15 14:30
**THE FEASIBILITY STUDY OF A PROGRAM TO
SECURE CEREAL PRODUCTION FOR FOOD
SOVEREIGNTY IN THE SAÏSS PLAIN: THE CASE OF
SOFT AND DURUM WHEAT**
Sqalli Adoui Driss

14:30 14:45
**EFFECT OF SOME NITROGEN SUPPLEMENTATION
ON GROWTH OF BIFIDOBACTERIA IN THE APPLE
JUICE**
Sofia Radja Ziane

14:45 15:00
**OPTIMIZATION OF CARBON SOURCES FOR
PRODUCTION OF β -GALACTOSIDASE BY
LIMOSILACTOBACILLUS FERMENTUM LF08**
Kristijan Hristovski

15:00 15:15
**HETEROLOGOUS EXPRESSION OF HYDROPHOBIC
CELL SURFACE PROTEINS OF MUCOR
LUSITANICUS**
Anna Molnár

15:15 15:30
**CAMEL HERD AS FOOD SECURITY BIORESOURCES
IN ARID LAND UNDER CLIMATE CHANGE
CONTEXT: SURVEY INVESTIGATION AND
HYGIENIC ASSESSMENT OF RAW CAMEL MILK IN
TAMANRASSET REGION- SOUTHERN ALGERIA**
Habiba Drici

15:30 16:00 Coffee break

16:00 16:15

HOW DOES THE TRUNCATION OF THE BIOSYNTHETIC PATHWAY OF ERGOSTEROL AFFECT THE PHYSIOLOGY OF MUCOROMYCOTA?

Bence Rafael

Short presentations

16:15 16:20

IMPACT OF ARZEW AIR POLLUTION *IN SITU* AND METALLIC TRACE ELEMENTS IN GREENHOUSE CULTIVATION ON PHENOLIC COMPOUNDS OF *OLEA EUROPEA*

Faiza Chaib

16:20 16:25

INFLUENCE OF BREEDING PRACTICES AND SEASONS ON THE QUANTITY AND QUALITY OF RAW MILK PRODUCED IN NORTHEASTERN ALGERIA

Youcefi Abdeldjalil

16:25 16:30

TRADITIONAL RAW CAMEL MILK FERMENTATION KNOWLEDGE AS FOOD SECURITY ALTERNATIVE IN TAMANRASSET REGION AS HOT AND REMOTE AREA, SURVEY INVESTIGATION AND METAGENOMIC STUDY OF THE MICROBIAL CONSORTIA

Aboubakr Essedik, Bekkouche

16:30 16:35

BIODEGRADABLE STARCH-BASED FILM INCORPORATED WITH VANILLIN AGAINST FOOD-CONTAMINATING BACTERIA

Muhammad Iqbal Perdana

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

Chair: *Szilárd Czóbel, Hungary*

Co-chair: *László Beier, Hungary*

Location: Faculty Council Hall (220)

Regular presentations

14:00 14:15

**FREQUENCY AND ABUNDANCE CHANGES OF WILD
BOAR ROOTING IN VÖRÖSKÖVÁR, BUDAPEST,
HUNGARY**

Natalia Pitta-Osses

14:15 14:30

**DIVERSIFICATION OF PLANT SPECIES FOR THE
REHABILITATION OF THE GREEN DAM IN ALGERIA**

Ouahid Zanndouche

14:30 14:45

**ECO-FRIENDLY SHEEP WOOL FILTERS FOR
RETAINING HEAVY METALS FROM POLLUTED
WATER**

Bianca-Denisa Chereji

14:45 15:00

**EXPERIMENTS ON THE DEMOGRAPHY OF THE
NINE-SPOTTED MOTH (*AMATA PHEGEA*) IN BÜKK
NATIONAL PARK**

Lisa Amalia

15:00 15:15

**NANOCHITOSAN: SUSTAINABLE SOLUTION AND
ITS APPLICATION FIELDS**

Gizem Yuksel

15:15 15:30

**THE SPREAD OF THE TREE-OF-HEAVEN
[*AILANTHUS ALTISSIMA* (MILL.) SWINGLE] IN THE
NORTHEASTERN PART OF THE REPUBLIC OF
CROATIA**

Marin Lukačević

15:30 16:00 Coffee break

16:00 16:15

LIVESTOCK EMISSIONS AND CLIMATE ACTION STRATEGIES: A COMPREHENSIVE OVERVIEW

Vineet Srivastava

16:15 16:30

USE OF CAMERA TRAPS TO MONITOR HUMAN-WILDLIFE INTERACTIONS AROUND THE NAIROBI NATIONAL PARK - KENYA

Jocelyn Weyala Burudi

16:30 16:45

POLLEN CONCENTRATION DATA OF XANTHIUM SPP. BETWEEN 2017 AND 2019 IN THE SOUTHERN GREAT PLAIN REGION

Viktor József Vojnich

Short presentations

16:45 16:50

URBAN TREE INVENTORIES IN ROMANIA

Tamás Zoltán Zakota

16:50 16:55

HOW DOES NATURE CONSERVATION CITIZEN SCIENCE IMPACT POLICY AND DECISION-MAKING MAKING. A REVIEW

Johanna Soria Aguirre

16:55 17:00

THE AFFECT OF CLIMATE CHANGE ON THE PREVALENCE OF NASAL BOTFLY (*CEPHENEMYIA STIMULATOR*) INFESTATION IN ROE DEER

Szilárd Pinnyey

**INNOVATION IN AGRICULTURE, RURAL &
SUSTAINABLE DEVELOPMENT**

Chair: *Balázs Duray, Hungary*

Co-chair: *Srivastava Vineet, India*

Location: seminar room 218

Regular presentations

14:00 14:15

**CONTRIBUTION OF POND FISH FARMING TO THE
SUSTAINABLE DEVELOPMENT GOALS SYSTEM IN
HUNGARY**

Béla Urbányi

14:15 14:30

**APPLICATION OF LOOP-MEDIATED ISOTHERMAL
AMPLIFICATION (LAMP) FOR PATHOGEN
DETECTION IN FARM ANIMAL FECAL SAMPLES VIA
EDNA: A REVIEW**

Andrew Mbithi

14:30 14:45

**THE DEMOGRAPHIC OUTLOOK OF HUNGARIAN
RURAL AREAS AND ITS IMPLICATIONS FOR THE
AGRICULTURAL LABOR FORCE**

József Lennert

14:45 15:00

**THE SPECIFIC ENVIRONMENTAL CONSEQUENCES
OF THE SPRAWL OF RURAL CENTERS IN HUNGARY**

Gábor Vasárus

15:00 15:15

**ORGANIC FERTILIZERS MINERALIZATION AND
THEIR EFFECT ON THE POTATO "*SOLANUM
TUBEROSUM*" PERFORMANCE IN ORGANIC
FARMING**

Ahmed Harraq

15:15 15:30

**BUILDING BRIDGES WITH PEPTAIBOLS:
CONSTRUCTING A UNIVERSAL DATABASE FOR
ENVIRONMENTAL APPLICATIONS**

Ákos Rozsnyói

15:30 16:00 Coffee break

16:00 16:15

GROWTH PERFORMANCE OF HYBRID CATFISH (HETEROCLARIAS) CULTURED ON BSF LARVAL-BASED DIETS

Christopher Teye-Gaga

16:15 16:30

ASSESSMENT OF THE IMPACTS OF CLIMATE CHANGE ON CEREALS IN SEMI-ARID REGIONS BY REMOTE SENSING AND ADAPTATION MEASURES IN AGRICULTURAL WATER MANAGEMENT

Zohra Lili Chabaane

16:30 16:45

IMPACTS OF AGROPHOTOVOLTAIC SYSTEMS ON CROP PRODUCTION: MICROCLIMATE, YIELD QUALITY, AND FUTURE APPLICATIONS

Balázs Duray

Short presentations

16:45 16:50

PRESENTATION OF CAMPDEN BRI HUNGARY'S ACTIVITIES AND THE REWEEMAP PROJECT

Zsigmond Zalán Téglásy

16:50 16:55

IN OVO INJECTION OF ESSENTIAL OILS FOR ENHANCING POULTRY HATCHABILITY, POST-HATCH PERFORMANCE, AND WELFARE: A REVIEW AND FUTURE PROSPECTS

Eman Moustafa Abas Abdelbary