

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



20th Wellmann International Scientific Conference Online Conference

PROGRAM

03th April 2023

Hódmezővásárhely

PROGRAM:

09:30 – 09:45 Opening ceremony and welcome speeches

For audience: https://youtube.com/live/1eS4Z_EQdG8?feature=share /same link for the plenary session/

09:45 – 11:00 Plenary session

For audience: https://youtube.com/live/1eS4Z_EQdG8?feature=share /same link for the welcome speeches/

11:00 – 14:00 Parallel sessions

09:30 – 14:00 Poster session

For audience: <https://mgk.u-szeged.hu/wellmann/posters>
/Can be viewed continuously during the conference/

Parallel Sessions:

Agricultural economics and Innovation in Agriculture

For speakers: <http://greenlight.bibl.u-szeged.hu/b/adm-s1h-dli-oxe>

For audience: <https://youtube.com/live/shCeXPHemUI?feature=share>

Agricultural production

For speakers: <http://greenlight.bibl.u-szeged.hu/b/adm-aqi-wuu-b6r>

For audience: <https://youtube.com/live/wAz1P3uLEJ0?feature=share>

Environmental protection and Wildlife management

For speakers: <http://greenlight.bibl.u-szeged.hu/b/adm-fxu-etv-oem>

For audience: <https://youtube.com/live/hdN4RrSP9-M?feature=share>

Food processing and safety, Rural and Sustainable development

For speakers: <http://greenlight.bibl.u-szeged.hu/b/adm-b4r-i9p-bio>

For audience: https://youtube.com/live/gc_mun7Pzdg?feature=share

PROGRAM OF THE PLENARY SESSION

09:30 Opening ceremony and welcome speeches

Dr. Edit Mikó, Dean of the Faculty of Agriculture, University of Szeged, Hungary
Prof. Dr. Szilárd Czóbel, Secretary of the Conference Organising Committee

09:45 Plenary session

09:45 – 10:05

GREEN LENDING IN THE AGRICULTURE

Zsuzsanna Széles

*Alexandre Lamfalussy Faculty of Economics, University of Sopron, Sopron,
HUNGARY,*

10:05 – 10:25

ANIMAL WELFARE ASSESSMENT PROTOCOLS IN RUMINANTS

Özkan ELMAZ

*Department of Animal Science, Faculty of Veterinary Medicine,
Burdur Mehmet Akif Ersoy University, Burdur, TURKIYE,*

10:25 – 10:45

EDIBLE INSECTS AS ALTERNATIVE PROTEIN SOURCES

Diána Bánáti

*Department of Food Engineering, Faculty of Engineering, University of Szeged,
Szeged, HUNGARY*

AGRICULTURAL ECONOMICS AND INNOVATION IN AGRICULTURE SESSION

Chair: *Dr. Balázs Duray, Hungary*

Co-chair: *Dr. Annamária Korom, Hungary*

Regular presentations

11:00-11:15

ECONOMIC IMPACT OF SOYBEEN-FREE FEEDING ON LAYING HENS

Jozsef Horvath, Krisztofer Herman

11:15 -11:30

MAIN CHANGES IN FOOD TRADE IN EUROPE AND THE WORLD UNDER COVID-19 RESTRICTION

Gábor Gyarmati

11:30 -11:45

THE IMPORTANCE OF COUPLED SUPPORT IN HUNGARIAN LIVESTOCK PRODUCTION

Miklós Vásáry

11:45 -12:00

THE MAIN OBSTACLES TO GENERATIONAL RENEWAL IN AGRICULTURE

Aron József Borda, Jeremiás Máté Balogh

12:00 -12:15

AGRO-PHOTOVOLTAICS: A SUSTAINABLE SYNERGY BETWEEN FOOD PRODUC-TION AND RENEWABLE ENERGY GENERATION

Balázs Duray

12:15 -12:30

COLOUR-MASKING OF DOMESTIC PAPRIKA (CAPSICUM ANNUUM L.) POWDER

Dániel Szabó, Ágnes Urbin, László Sipos

12:30 -12:45

INNOVATION IN HUNGARIAN AQUACULTURE

*Béla Urbányi, Zoltán Bokor, Julianna Kobolák, Emese Bozánné Békefi,
Szvetlana Lengyel, Zsófia-Tarnai-Király, Katalin Rákóczi, Rita Fekete*

12:45 -13:00

**INVESTIGATING THE EFFECTS OF PEPTAIBOLS THROUGH
STRUCTURE- ACTIVITY RELATIONSHIPS**

Dóra Balázs, Tamás Marik, Ákos Rozsnyói, András Szekeres, Csaba Vágvölgyi, Chetna Tyagi,
László Kredics

Short presentations

13:00 -13:05

**VALUE CHAIN ANALYSIS IN AQUACULTURE
DEVELOPMENT**

Emese Békefi Bozánne, Béla Urbányi, Zsuzsanna Brlás-Molnár

AGRICULTURAL PRODUCTION SESSION

Chair: *Dr. Tamás Monostori, Hungary*

Co-chair: *Dr. Péter Jakab, Hungary*

Regular presentations

11:00-11:15

LET'S SAVE OUR NATIVE CHICKEN BREEDS WITH THE CAPON AS A CURIOUS PRODUCT!

Ákos Benk, Katica Erzsébet Benk, Szilárd Pinnyey

11:15 -11:30

CHALLENGES OF ESTABLISHING THE CIRCULAR OYSTER MUSHROOM PRODUCTION MODEL IN KENYA

Miklós Gyalai-Korpos, Monica Mburu, Adrienn dr. Somosné Nagy

11:30 -11:45

COMPARISON OF THE FLEECE PRODUCTION OF TWO EXTENSIVE FRENCH SHEEP GENOTYPES

Gabriella Fűrő, Krisztina Varga, István Csizi

11:45 -12:00

DEVELOPMENT OF GROWING MEDIA FOR ORGANIC SEEDLING PRODUCTION FROM DOMESTIC RESOURCES

Nataly Ftaimi, Emese Gyöngyösi, Dóra Drexler, Zoltán Pék, Ferenc Tóth

12:00 -12:15

EFFECT OF DIFFERENT NITROGEN FERTILIZER AND PLANT DENSITY ON YIELD OF FOUR HYBRIDS OF SWEET CORN (ZEA MAYS L. SACCHARATES)

Sidahmed, H.M., Arpad Illes, A. Vad, Nagy Janos

12:15 -12:30

IMPACT OF DIFFERENT NUTRIENT SUPPLY LEVELS ON YIELD PARAMETERS OF ORGANIC KAPIA PEPPER IN PLASTIC TUNNEL

Orsolya Papp, Katalin Allacherné Szépkuthy, Miklós Gulyás, Attila Ombódi, Nuri Nurlaila Setiawan, Ilona Kaponyás, Ferenc Tóth

12:30 -12:45

WASTE SLUDGE COMPOSITION AND POTENTIAL USE AS A FERTILIZER – A REVIEW

Brian Ssemugenze, Akasairi Ocwa, Tóth Brigitta, Janos Nagy

12:45 -13:00

IDENTIFICATION OF LR34 AND YR17 RUST RESISTANCE GENES OF WHEAT USING MOLECULAR MARKERS

Tungalag Munkhbat, Melinda Tar, Laszlo Purnhauser

Short presentations

13:00 -13:05

IMPROVING OF MAIZE YIELD STABILITY WITH FOLIAR FERTILIZERS

Péter Jakab, Györgyi Csontos, Mihály Sárvári, Melinda Tar, István Kristó

13:05 -13:10

MICROPROPAGATION OF PHILODENDRON ERUBESCENS WITH THE USE OF DIFFERENT BIOSTIMULATORS

Máté Ördögh

13:10 -13:15

PRECISION NUTRIENT APPLICATION TECHNOLOGIES IN CROP PRODUCTION

Akasairi Ocwa, Safwan Mohammed, Brian Ssemugenze, Endre Harsányi

13:15 -13:20

RESPONSES OF SELECTED MAIZE GENOTYPES (ZEA MAYS L.) ON NITROGEN FERTILIZATION: GRAIN YIELD AND QUALITY ATTRIBUTES

Muhoja Sylvester Nyandi, Dr. Petér Pepó

13:20 -13:25

TECHNICAL AND CULTIVATION TECHNOLOGY RESEARCH AND DEVELOPMENT OF PRECISION CROP CULTIVATION ON THE SUBJECT OF CORN PLANTING

István Sojnóczki

ENVIRONMENTAL PROTECTION AND WILDLIFE MANAGEMENT SESSION

Chair: *Dr. Tímea Süli-Zakar, Hungary*

Co-chair: *László Beier, Hungary*

Regular presentations

11:00-11:15

A REVIEW OF THE HUMAN WILDLIFE CONFLICTS AROUND THE NAIROBI NATIONAL PARK, KENYA.

Jocelyn Weyala Burudi, Krisztian Katona, Eszter Tormane Kovacs

11:15 -11:30

COMPARATIVE ANALYSIS OF THE MACROINVERTEBRATE FAUNA OF ECOLOGICALLY STABLE AND TRADITIONAL GARDEN PONDS

Bence Tamás, Orsolya Ivett Hoffmann, Ákos Malatinszky

11:30 -11:45

CONTRIBUTION OF NATURE CONSERVATION RELATED CITIZEN SCIENCE PROJECTS TO LEARNING, ATTITUDE AND BEHAVIORAL CHANGE OF PARTICIPANTS

Johanna Maribel Soria Aguirre, Eszter Tormáné Kovács

11:45 -12:00

MICROALGAL BIOPESTICIDES AS A SUSTAINABLE SOLUTION FOR PLANT PROTECTION

Andrea Cheradil, Bákonyi Nora, Andras Csoto

12:00 -12:15

SUCCESSFUL COLONIZATION OF FOREST STEPPE SPECIES IN DIFFERENT AREAS ABANDONED FROM TRADITIONAL CULTIVATION

Orsolya Szirmai, Dénes Saláta, Szilárd Czóbel

12:15 -12:30

**EFFECT OF WILD BOAR ROOTING ON SOIL
CHARACTERISTICS IN VÖRÖSKÖVÁR, BUDAPEST,
HUNGARY**

Natalia Pitta-Osses, Ádám Fehér, Krisztián Katona, Csaba Centeri

12:30 -12:45

**MORPHOLOGICAL AND ANATOMICAL
CHARACTERISTICS OF NUTRIA
(MYOCASTOR COYPUS) IN A SLOVAKIAN POPULATION**

Balázs Bócsi, Zsolt Biró, Krisztián Katona

12:45 -13:00

**SPATIAL PATTERN OF SMALL MAMMAL POPULATION
DENSITY IN THE AREA OF LISZT FERENC AIRPORT,
BUDAPEST**

Mihály Márton, László Szabó, Miklós Heltai

13:25 -13:40

**POLLEN CONCENTRATION DATA SET FOR
XANTHIUM SPP. IN 2019 IN THE NORTHERN GREAT
PLAIN REGION**

Viktor József Vojnich, Dóra Kajtor-Apatini, Donát Magyar

Short presentations

13:00 -13:05

**APPLICATION OF 3D PRINTED TURBULENCE PROMOTER
IN DAIRY WASTEWATER ULTRAFILTRATION**

Nikolett Sz.Gulyás, Szabolcs Kertész, Cecilia Hodúr

13:05 -13:10

**FINANCIAL PERFORMANCE OF ROMANIAN WASTE
COLLECTION BUSINESSES**

*Cosmina-Simona Toader, Ioan Brad, Cosmin Sălășan,
Andrea Ana Feher, Elena Claudia Sîrbulescu, Carmen Simona Dumitrescu*

13:10 -13:15

**PRELIMINARY METHODOLOGICAL EXPERIMENTS ON
THE HYDRO-PHILIC/HYDROPHOBIC CHARACTER OF
SOILS USING KRÜSS DSA 100 DROP SHAPE ANALYSER**

Aliz Füleki-Veress, Gyöngyi Barna, András Makó

13:15 -13:20

**THE EFFECT OF ADDING DIFFERENT OILS ON LIQUID
WHOLE EGG SENSORIAL PROPERTIES**

Majd Elayan, Csaba Németh, Munkhnasan Enkhbold, Adrienn Tóth

13:20 -13:25

**BEHAVIOR PATTERN OF ROE DEER AT FEEDING PLACES
REVEALED BY CAMERA-TRAPPING IN THE HUNGARIAN
GREAT PLAIN**

Gergely Tóth, Natania Ferreira De Souza, Krisztián Katona

FOOD PROCESSING AND SAFETY, RURAL AND SUSTAINABLE DEVELOPMENT SESSION

Chair: *Dr. Anita Csiba, Hungary*

Co-chair: *Dr. Adrienn Szarvas, Hungary*

Regular presentations

11:00-11:15

TEXTURAL INVESTIGATION OF A PROTEIN RICH JELLY SWEET

Adrienn Varga-Tóth, Majd Elayan, Munkhnasan Enkbold, Anikó Boros, Csaba Németh

11:15 -11:30

THE EFFECT OF DIFFERENT TEMPERATURES ON THE LIQUID EXTRACTION FROM PLEUROTUS OSTREATUS (JACQ.:FR.) KUMM. MUSHROOM

Gréta Törőss, Dr. Ferenc Peles, Dr. József Prokisch

11:30 -11:45

EXAMINATION OF CONSUMER ATTITUDES REGARDING THE CONSUMPTION OF NOVEL FOODS, ESPECIALLY DUCKWEEDS

Dóra Szepesi-Bencsik

11:45 -12:00

HETEROLOGOUS PROTEIN EXPRESSION OF MUCOR LUSITANICUS COX1 AND HSB1 GENES IN PENICILLIUM CHRYSOGENUM AND PICHIA PASTORIS

*Molnár Anna, Kovács Vanda, Masa Csilla, Kiss Karina, Kocsis Dominik Sándor,
Szegedi Botond, Galgóczy László, Siliman A. S. T. Khaliefeh, Rafael Bence, Vágvölgyi Csaba,
Nagy Gábor, Papp Tamás, Szebenyi Csilla*

12:00 -12:15

OCCURENCE OF DEOXYNIVALENOL IN WINTER WHEAT GRAINS HARVESTED IN HUNGARY OVER THE YEARS 2012-2017

Tamás Meszlényi, Beáta Tóth, Szieberth Dénes, Ákos Mesterházy

12:15 -12:30

**SUSTAINABLE RURAL DEVELOPMENT THROUGH
THE UTILIZATION OF INVASIVE ALIEN SHRUBS TO
PRODUCE LOCAL BIOENERGY**

Csaba Vaszkó

Short presentations

12:30 -12:35

**EVALUATION OF WATER CALTROP (TRAPA NATANS L.)
HARVESTED FROM LAKE TISZA, HUNGARY**

Judit Tarek-Tilistyák, Gyula Kücsön

12:35 -12:40

**INVESTIGATION OF TANNASE ACTIVITIES IN
MUCOROMYCOTA FUNGI**

Tamás Kovács, Anita Kovács, Csaba Vágvölgyi, Judit Krisch, Miklós Takó

12:40 -12:45

**APPLICATION OF DATA ANALYSIS METHODS IN
DETERMINING THE MIGRATION KINETIC OF POLIMER
ADDITIVES**

Norbert Magyar, Csaba Kirchkeszner, Noémi Petrovics, Ilona Kovácsné Székely,
Zsuzsanna Eke

12:45 -12:50

**BIOCONTROL OF AFLATOXIN CONTAMINATION AND THE
EFFECT OF ASPERGILLUS FLAVUS ON MAIZE QUALITY**

Lourraine Sena Doh, Tünde Pusztahelyi

12:50 -12:55

**THE IMPACT OF LACTIC ACID AND ASCORBIC ACID
MIXTURE ON QUALITY PARAMETERS OF WILD BOAR
MEAT**

Munkhnasan Enkhbold, Attila Lőrincz, Majd Elayan, László Friedrich, Attila Solymosi,
Balázs Wieszt, Jáni Kornél, Adrienn Tóth

12:55 -13:00

**INVESTIGATION OF THE EFFECT OF AERATION AND
TEMPERATURE ON MICROALGAE CULTIVATION IN
DIFFERENT NUTRIENT SOLUTIONS**

Pretty Londhe, Péter Tamás Nagy, Tamás Magyar

13:00 -13:05

CRISIS LEADERSHIP: IS IT IMPORTANT?

*Andrea Feher, Ioan Brad, Cosmina Toader, Claudia Sirbulescu, Ciprian Rujescu,
Miroslav Raicov*

POSTER SESSION

AGRICULTURAL ECONOMICS AND INNOVATION IN AGRICULTURE

CAN YOU TELL ME WHERE YOU SHOP? I'LL TELL YOU WHO YOU ARE! CONSUMER ANALYSIS OF FARMERS' MARKETS USING A SYSTEMATIC LITERATURE REVIEW

Gréta Maró, Zalán Márk Maró, Áron Török, Zsófia Jámbo

DOES CONSUMER ETHNOCENTRISM EXIST IN THE HUNGARIAN ALCOHOLIC BEVERAGE MARKET?

Zalán Márk Maró, Péter Balogh, Péter Czine, Áron Török

ECONOMIC ANALYSIS OF PRECISION CULTIVATION OF AUTUMN RAPESEED

Árpád Ferencz, Levente Komarek, Anita Csiba, Zuzsanna Deák

FARMERS' MARKETS IN THE 21ST CENTURY – A BIBLIOMETRIC OUTLOOK

Áron Török, Sándor Kovács, Gréta Maró, Zalán Márk Maró

FARMERS' MARKETS ORGANIZED BY UNIVERSITIES

Gréta Maró, Péter Czine, Zalán Márk Maró, Áron Török

PRODUCERS IN SHORT FOOD SUPPLY CHAINS AND THE ROLE OF LOCAL FARMERS' MARKETS IN SALES

Szabolcs Troján, Károly Kacz, Anita Miklósné Varga

REVIEW OF DIAGNOSTIC SIGNS OF INVOLUTION PROBLEMS IN DAIRY COWS BY THE HELP OF CATUS DATABASE

*Bettina Póth-Szebenyi, Henrietta Nagyné Kiszlinger, József Stefler, Sára Ágnes Nagy,
Orsolya Varga-Balogh, László Kern, György Gábor*

AGRICULTURAL PRODUCTION

GROWTH AND FEED UTILIZATION CHARACTERISTICS OF TWO COMMON CARP GENOTYPES REARED ON ARTHROPODAL FEED SOURCES

Szabolcs Márk Turuczki, Péter Mikics, Tamás Monostori

IN VITRO EFFICACY OF DISINFECTANTS AND FUNGICIDES USED IN THE CULTIVATION OF BUTTON MUSHROOM (AGARICUS BISPORUS)

Henrietta Allaga, András Mész, Rita Büchner, András Varga, Nóra Bakos-Barczi, Judit Bajzát, László Kredics, Csaba Csutorás, Csaba Vágvölgyi

SOIL PESTS PROBLEM IN SWEETPOTATO (IPOMOEA BATATAS (L.) LAM.) PRODUCTION IN SOUTH HUNGARY

Adrienn Szarvas, Sundusin Afqah Izzati Binti, Zhou Dai

THE EFFECT OF ARBUSCULAR MYCORRHIZA ON THE YIELD OF DIFFERENT WINTER WHEAT VARIETIES AT FOUR NUTRIENT LEVELS.

Lajos Szentpéteri, Katalin Irmes, István Kristó, Attila Rácz, Marianna Vályi-Nagy, Melinda Tar

THE IMPLICATIONS OF EUROPEAN GREEN DEAL ON AGRICULTURAL SYSTEMS

Carmen Simona Dumitrescu, Cosmin Sălășan, Cosmina Simona Toader, Simona Cristina Constantinescu, Oana Maria Sicoe-Murg, Iasmina Iosim, Sorin Mihai Stanciu

ENVIRONMENTAL PROTECTION AND WILDLIFE MANAGEMENT

BOTANICAL OBSERVATIONS IN THE NATURE CONSERVATION AREA OF HAJÓS

Károly Ecseri, Tímea Kiss

COMPARATIVE STUDY OF THE FLOWERING PHENOLOGY OF WILD GROWING GEOPHYTES IN TWO DIFFERENT MESOCLIMATIC AREAS IN THE CARPATHIAN BASIN

Krisztina Verbényiné Neumann, Szilárd Czóbel

EFFECTS OF HIGH NUTRIENT AND HEAVY METAL CONTAINING SOILS ON SOME CHEMICAL AND BIOCHEMICAL FEATURES OF SUDAN GRASS

*György Vincze, Csilla Tóth, Zsuzsanna Uri, Katalin Irinyiné-Oláh, Szabolcs Vigh,
László Simon*

HISTORICAL ECOLOGICAL RESEARCH OF THE KURGANS OF HAJDÚNÁNÁS–ZAGOLYA-DŰLŐ

Ákos Pető, Ádám Braun, Alex Bakodi, Dénes Saláta, Attila Rigó, Ákos Malatinszky

INVESTIGATING THE EFFECT OF CLIMATE CHANGE ON THE LAND USE AND LAND COVER OF THE JORDAN RIVER BASIN

Ansam Bzour, István Valánszki

THE EFFECT OF HEAVY METAL CONTAINING WASTEWATER SEDIMENT ON THE MICROANATOMICAL CHARACTERISTICS OF THE LEAVES AND STEM OF SALIX VIMINALIS

*Csilla Tóth, György Vincze, Katalin Irinyiné Oláh, Zsuzsanna Uri, Szabolcs Vigh, László
Simon*

THE PORTRAYAL OF WILD BOAR ON SOCIAL MEDIA IN MALAYSIA

Siti Mastura Hasan, Sándor Csányi

FOOD PROCESSING AND SAFETY, RURAL AND SUSTAINABLE DEVELOPMENT

COMPARATIVE ANALYSIS OF MEAT PRODUCTS MADE FROM DIFFERENT MEAT RAW MATERIALS

Tamás Kulcsár, Bálint Erdei, Eszter Szőke-Trenyik, József Mihalkó, Balázs P. Szabó

FERMENTATION OF EGG WHITE DRINK BY BIFIDOBACTERIUM WITH DIFFERENT CARBOHYDRATE SOURCES

Reem Mourad, Zsombor Tóth, Barbara Csehi, Erika Bujna

IDENTIFICATION OF BIOACTIVE COMPOUNDS USING RP-HPLC ANALYSIS OF SOME HAWTHORN SPECIES EXTRACTS (CRATAEGUS PINNATIFIDA BGE., C. MONOGYNA JACQ., C. CRUS-GALLI) AND ANTIOXIDANT ACTIVITY EVALUATION.

Areej Alsobh, Gyula Vatai, Szilvia Bánvölgyi

MONITORING THE SPOILAGE PROCESS OF DAIRY PRODUCTS BY DIELECTRIC MEASUREMENT

Réka Dobozi, Zoltán Jákói, Anita Vidács, József Csanádi, Sándor Beszédes

THE EFFECT OF ENZYMATIC PRETREATMENT OF CHICKPEA ON PROPERTIES OF PREPARED PROTEIN NANOPARTICLES

Milica Perović, Maja Milošević, Mirjana Antov

THE INFLUENCE OF CONTENT OF OREGANO ESSENTIAL OIL ON MICROSTRUCTURAL, ANTIOXIDANT, BARRIER AND ANTIMICROBIAL PROPERTIES OF CITRUS PECTIN-BASED EDIBLE FILMS

Marija Kostić, Branimir Bajac, Jelena Bajac, Ljiljana Janjušević, Mirjana Antov

XYLANASE AND CELLULASE ASSISTED ACID EXTRACTION OF PECTIC FIBER FROM BUTTERNUT SQUASH

Maja Milošević, Milica Perović, Mirjana Antov

COMBINED EFFECT OF NATURAL LEMON ESSENTIAL OIL AND LEMON JUICE PRESERVATIVES ON PEAR AND RASPBERRY MILKSHAKES

Waminee Niramit, Aruzhan Otegenova, Aulia Putri Srie Wardani, Balázs P. Szabó, Judit Krisch

PROBIOTIC FERMENTATION OF MIXED FRUIT AND VEGETABLE JUICES

Aruzhan Otegenova, Aulia Putri Srie Wardani, Waminee Niramit, Balázs P. Szabó, Judit Krisch

THE COMBINED EFFECT OF LEMON ESSENTIAL OIL AND LEMON JUICE AS NATURAL PRESERVATIVES IN APPLE AND GRAPE JUICES

Aulia Putri Srie Wardani, Aruzhan Otegenova, Waminee Niramit, Balázs P. Szabó, Judit Krisch

A RURAL DEVELOPMENT PERSPECTIVE ON THE CHALLENGES AND PROSPECTS OF THE HUNGARIAN LIVESTOCK FARMING SECTOR

Jenő Zsolt Farkas, Irén Rita Kőszegi, Edit Hoyk, Ádám Szalai

THE RELATIONSHIPS OF THE EUROPEAN UNION PROJECTS IMPLEMENTED IN DEBRECEN IN THE PERIOD 2014-2020 AND THE BIOLOGICAL ACTIVITY VALUE

György Orosz, Botond Kőhalmi, Julianna Skutai

DOES SOIL MATTER? HELPING BIODIVERSITY MANAGEMENT IN A SOLAR PARK

Viktor Grónás, Márk Pálfi, Csaba Centeri