



UNIVERSITY OF LIFE SCIENCES
"KING MIHAI I" from TIMIȘOARA



SCIENTIFIC PROGRAMME



*"Young People and Multidisciplinary Research In Applied
Life Sciences"*

Section: Biotechnology and Animal Science

FACULTY of BIOENGINEERING of ANIMAL RESOURCES

November 13 - 14, 2025



Faculty of Agriculture,
University of South
Bohemia, České
Budějovice-Czech
Republic



Faculty of Agrobiography
And Food Resources,
Nitra-Slovakia
Faculty of
Biotechnology And
Food Sciences, Nitra-
Slovakia



Faculty of Agriculture,
University of Novi Sad,
Novi Sad-Serbia



Faculty of Agriculture
International Hellenic
University
Thessaloniki, Greece



Agri-Food And Biosciences
Institute, Belfast, UK

TIMIȘOARA, 2025

"Young People and Multidisciplinary Research in Applied Life Sciences"
Section: Biotechnology and Animal Science





GENERAL PROGRAMME
Thursday, November 13, 2025

Aula Magna
University of Life Sciences "King Mihai I" from Timișoara

08³⁰-10⁰⁰ **Participants arrival**
Hall of the Aula Magna Auditorium, University of Life Sciences
"King Mihai I" from Timișoara

10⁰⁰-10¹⁰ **Welcome speech**
Prof. Cosmin POPESCU, PhD - Rector of University of Life
Sciences "King Mihai I" from Timisoara

10¹⁰-10¹⁵ **Conference opening**
Prof. Kalman IMRE, PhD - Vicerector of Research, Innovation
and Technology Transfer of University of Life Sciences "King
Mihai I" from Timisoara

10¹⁵-10³⁰ **Special Guest speech**
Dragoș - Cristian VLAD - President of the Romanian Authority
for Digitalization

10³⁰-10⁴⁵ **Special Guest speech**
Sorin MIERLEA - President of InfoCons - National Association
for Consumer Protection

10⁴⁵-10⁵⁰ **Special Guest speech**
Prof. Doina BANCIU, PhD - President of the Romanian Academy
of Scientists

10⁵⁰-11¹⁵ **KEYNOTE SPEAKERS**
Dr. Stefano MILIA, PhD - Restoring the "Invisible Resource":
Innovative Strategies for Nitrate-Contaminated Groundwater in

"Young People and Multidisciplinary Research in Applied Life Sciences"
Section: Biotechnology and Animal Science

Agricultural Areas
*Institute of Environmental Geology and Geoengineering, National
Research Council, Italy*

11¹⁵-12³⁰ ***Awarding of the Doctor Honoris Causa title
Statement for the diploma conferment***
Prof. Viorel HERMAN, PhD – President of Senate
Laudatio
Prof. Viorel HERMAN, PhD – President of Senate
Awarding of the diploma
Prof. Cosmin Alin POPESCU, PhD - Rector of the University of
Life Sciences "King Mihai I" of Timișoara –
Honoree speech
Prof. Dr. Ing. Petru ANDEA – *Life in the Universe*
Department of Power Engineering, Faculty of Electrical and
Energy Engineering University of Politehnica Timișoara

12³⁰-13³⁰ ***Lunch Break***

13³⁰-16³⁰ ***Paper presentations on sections***

18⁰⁰-23⁰⁰ ***Dinner "Agora" Urban Agriculture Center USVT***

Friday, November 14, 2025

Location:

***Aula Magna Auditorium - University of Life Sciences "King Mihai I"
from Timișoara
Faculties, Senate Hall***

09⁰⁰ – 11³⁰ ***POSTER presentations on Faculty sections***

09³⁰ – 10³⁰ ***Aula Magna - MDPI presentation***
*Generative AI using in Research, Scientific Writing and
Publishing*

10³⁰ – 11¹⁵ ***Senate Hall – Assoc. Prof. Corina MEGYESI, PhD***
*Technology Transfer Centers – a Bridge between Doctoral
Research and the Socio-Economic Environment* –
presentation for PhD students

11¹⁵ – 12⁰⁰ ***Senate Hall – Prof. Isidora RADULOV, PhD***
*Technology Readiness Levels – a Tool for Assessing the
Progress of Applied Research in Doctoral Programs* –
presentation for PhD students

12⁰⁰ - ... ***Discover Timișoara by yourselves***

Thursday, November 13, 2025

Section " Biotechnology and Animal Science "

*"Ioan Vintilă" Amphitheater
Faculty of Bioengineering of Animal Resources
University of Life Sciences "King Mihai I" from Timișoara*

Chaired by:

*Lecturer Saida Roxana Feier David, PhD,
Faculty of Bioengineering of Animal Resources*

*Assistant, Roxana Lazăr, PhD
Faculty of Bioengineering of Animal Resources*

*Assistant, Cătălin Bogdan Sîrbu, PhD
Faculty of Bioengineering of Animal Resources*

14⁰⁰-14¹⁵ **Welcome speech**
Prof. Ioan PETȚ, PhD, *Dean of Bioengineering Faculty of Animal Resources – ULST*

Prof. Gabi DUMITRESCU, PhD, *Vice-dean of Research, Innovation and Technology Transfer of the Bioengineering Faculty of Animal Resources, ULST*

14¹⁵-14³⁰ **Garnik GILOYAN¹, Nazik KASUMYAN¹, Tatevik SARGSYAN^{1,2*}, Yuri MARMARYAN¹**

OBTAINING AND TARGETED BREEDING OF HIGH-PERFORMANCE DAIRY COWS UTILIZING ADVANCED TECHNOLOGY

¹*Armenian National Agrarian University, Research Center of Selection, Genetics and Feeding of Agricultural Animals, 0009, Koryun str. 19, Yerevan, Republic of Armenia*

²*Ministry of Economy of the Republic of Armenia, 0010, M.Mkrtchyan str. 5, Yerevan, Republic of Armenia*

14³⁰-14⁴⁵ **Bogdan Ioan PETȚ^{1,2}, Sara Van-BEYLEN², Iulia Alida VASILOIU², Ionela Vanesa ZAHARIA², Darius Octav CREȚU², Maryam AHMADI¹, Mirela AHMADI^{1*}**
MOLECULAR TOOLS FOR PREDICTIVE, PREVENTIVE, AND PERSONALIZED ORAL HEALTHCARE

"Young People and Multidisciplinary Research in Applied Life Sciences"
Section: Biotechnology and Animal Science

¹University of Life Sciences „King Mihai I” from Timisoara, Faculty of Bioengineering of Animals Resources, Department Biotechnology, Calea Aradului 119, Timisoara-300645, Romania;

²University of Medicine and Pharmacy „Victor Babes” Timisoara, Faculty of Dental Medicine, B-dul Revoluției din 1989, Timisoara-300070, Romania.

14⁴⁵-15⁰⁰ [Maryam AHMADI¹](#), Bogdan Ioan PET^{1,2}, Darius Octav CREȚU², Sara Van-BEYLEN², Iulia Alida VASILOIU², Ionela Vanesa ZAHARIA², Mirela AHMADI¹

BIOTECHNOLOGY FOR EARLY DETECTION OF NEURODEGENERATIVE AND COGNITIVE DISORDERS

¹University of Life Sciences „King Mihai I” from Timisoara, Faculty of Bioengineering of Animals Resources, Department Biotechnology;

²University of Medicine and Pharmacy „Victor Babes” Timisoara, Faculty of Dental Medicine, B-dul Revoluției din 1989, Timisoara-300070, Romania

15⁰⁰-15¹⁰ [Djordje PAJIĆ^{1*}](#), Jasna LONČINA², Tijana LEDINA², Ivana BRANKOVIĆ LAZIĆ³, Nikola ČOBANOVIĆ⁴

DONKEY MEAT AND MILK AS PART OF HUMAN DIET – QUALITY, NUTRITIONAL CHARACTERISTICS AND OBSTACLES

¹ Veterinary Specialized Institute “Sombor”, Sombor, Serbia,

² University of Belgrade, Faculty of Veterinary Medicine, Department of Food Hygiene and Technology, Belgrade, Serbia,

³ Institute of Meat Hygiene and Technology, Kačanskog 13, Belgrade, Serbia

⁴ University of Belgrade, Faculty of Veterinary Medicine, Department of Food Hygiene and Technology, Belgrade, Serbia

15¹⁵-15³⁰ [Luyao WANG](#), Myrtill GRÁFF, Chiamaka Goodness CHUKWUMA
GRASSLAND MANAGEMENT AND SUSTAINABLE LIVESTOCK PRODUCTION IN CHINA

University of Szeged, Faculty of Agriculture,

15³⁰-16⁰⁰ *Coffee break*

16⁰⁰-16¹⁵ [Tracy MOGENI¹](#), Myrtill GRÁFF¹

EXPLORING KENYA'S GUINEA FOWL DIVERSITY

¹University of Szeged, Faculty of Agriculture, Institute of Animal Science and Wildlife Management

16¹⁵-16³⁰ [Chiamaka Goodness CHUKWUMA¹](#), Myrtill GRÁFF¹, Geroge WANJALA¹, Luyao WANG¹, Wissem BACCOURI^{1,2,3*}
NUTRITIONAL MANAGEMENT OF HEAT-STRESSED PREGNANT DAIRY COWS

¹University of Szeged, Faculty of Agriculture, Institute of Animal Sciences and Wildlife Management

²Doctoral School of Animal Science, University of Debrecen, 4032

"Young People and Multidisciplinary Research in Applied Life Sciences"
Section: Biotechnology and Animal Science

Debrecen, Hungary;

³Department of Animal Science, Institute of Animal Science, Biotechnology and Natural Conservation, Faculty of Agricultural and Food Sciences and Environmental

16³⁰-16⁴⁵

Patricia ILIA¹, Teodor VINTILA^{1*}, Jan VAN DOORSSELAERE², Lennart Hoengenaert^{3,4}, Wout Boerjan^{3,4}

GENETIC CHARACTERIZATION OF POPLAR HYBRIDS EDITED WITH THE CRISPR/CAS9 BASE EDITING SYSTEM

¹University of Life Science King Mihai I from Timisoara, Faculty of Bioengineering of Animal Resources, Department of Biotechnology,

²VIVES University of Applied Sciences, campus Roeselare, Agro and Biotechnology,

³VIB Center for Plant Systems Biology, VIB, Ghent, Belgium

⁴Department of Plant Biotechnology and Bioinformatics, Ghent University, Ghent, Belgium

16⁴⁵-17⁰⁰

Teodor Mihai PAVEL¹, Darius Cosmin MORA¹, Ancuța ROTARU^{1*}, Luisa ANDRONIE^{2*}

INTEGRATING MATHEMATICAL MODELING AND NUMERICAL OPTIMIZATION IN BIOTECHNOLOGICAL PROCESSES: A CASE STUDY ON MICROBIAL FERMENTATION

¹University of Agricultural Sciences and Veterinary Medicine, Faculty of Animal Science and Biotechnologies

²University of Agricultural Sciences and Veterinary Medicine, Faculty of Forestry and Cadastre, Department of Land Measurements and Exact Sciences

17⁰⁰-17¹⁵

Bianca Maria RUS¹, Stefania ANDRONIE², Luisa ANDRONIE^{1*}, Iulia COROIAN^{1*}

COMPARATIVE STUDY ON THE PHYSICO-CHEMICAL CHARACTERISTICS OF DIFFERENT JUICE VARIETIES

¹University of Agricultural Sciences and Veterinary Medicine, Faculty of Forestry and Cadastre, Department of Land Measurements and Exact Sciences

²University of Agricultural Sciences and Veterinary Medicine, Faculty of Agriculture

17¹⁵-17³⁰

Questions & Answers

18⁰⁰-23⁰⁰

Dinner "Agora" Urban Agriculture Center USVT

Section " Biotechnology and Animal Science"

Friday, November 14, 2025

*"Ioan Vintilă" Amphitheater
Faculty of Bioengineering of Animal Resources
University of Life Sciences "King Mihai I" from Timișoara*

09⁰⁰ – 11³⁰ ***POSTER presentations – Section Biotechnology and Animal Science***
*"Ioan Vintilă" Amphitheater
Faculty of Bioengineering of Animal Resources*

*Aula Magna Auditorium –
University of Life Sciences "King Mihai I" from Timișoara*

09³⁰ – 10³⁰ ***Aula Magna - MDPI presentation***
Generative AI using in Research, Scientific Writing and Publishing

*Senate Hall –
University of Life Sciences "King Mihai I" from Timișoara*

10³⁰ – 11¹⁵ ***Senate Hall – Assoc. Prof. Corina MEGYESI, PhD***
*Technology Transfer Centers – a Bridge between Doctoral Research and the Socio-Economic Environment –
presentation for PhD students*

11¹⁵ – 12⁰⁰ ***Senate Hall – Prof. Isidora RADULOV, PhD***
*Technology Readiness Levels – a Tool for Assessing the Progress of Applied Research in Doctoral Programs –
presentation for PhD students*

12⁰⁰ - ... ***Discover Timișoara by yourselves***

Posters

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- P1** **Aryan AHMADI¹, Ioan PET¹, Dorel DRONCA¹, Mirela AHMADI^{1*}**
CHALLENGES AND PERSPECTIVES IN PLANT GROWTH UNDER MICROGRAVITY CONDITIONS

¹University of Life Sciences „King Mihai I” from Timisoara, Faculty of Bioengineering of Animals Resources, Department Biotechnology

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- P2** **Mădălina ANDREI-CIOABĂ¹, Alexandru-Dorian MICȘESCU-BENGHIA¹, Adrian FILIPESCU¹, Sandra Antonia MIHAILOV¹, Adrian GROZEA^{1*}**

EXTERNAL MORPHOMETRIC ASSESSMENT OF A 1.5-YEAR-OLD STERLET (ACIPENSER RUTHENUS) POPULATION, REARED IN A RECIRCULATING AQUACULTURE SYSTEM

¹ University of Life Sciences „King Mihai I” from Timișoara, Faculty of Bioengineering of Animal Resources

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- P3** **Adina-Mirela ARITON^{1*}, Silviu-Ionuț BORȘ¹, Ioana POROȘNICU¹, Vasile VINTILĂ¹, Elena UNGUREANU²**

ADVANCED ANALYTICAL TECHNIQUES APPLIED IN COW MILK METABOLOMICS

¹Research and Development Station for Cattle Breeding Dancu, Iasi, Sos. Iasi - Ungheni No. 9, Romania

²“Ion Ionescu de la Brad” Iași University of Life Sciences, Faculty of Horticulture, Department of Exact Sciences, Mihail Sadoveanu Alley, no.3, Romania

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- P4** **Adina-Mirela ARITON^{1*}, Silviu-Ionuț BORȘ¹, Ioana POROȘNICU¹, Vasile VINTILĂ¹, Elena UNGUREANU²**

UV-VIS CHARACTERIZATION OF AQUEOUS PLANT EXTRACT MIXTURES WITH POTENTIAL GASTROINTESTINAL APPLICATIONS IN CALVES

¹Research and Development Station for Cattle Breeding Dancu, 707252, Iasi, Iasi - Ungheni Alley No. 9, Romania

²“Ion Ionescu de la Brad” Iași University of Life Sciences, Faculty of Horticulture, Department of Exact Sciences, Mihail Sadoveanu Alley, no.3, Romania

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- P5** **Sara Ataei-Nazari¹, Filip Benko¹, Michal Ďuračka², Peter Ivaničš, Eva Tvrďá^{1,4*}**

INTERBREEDS DIFFERENCES IN BOVINE SEMEN QUALITY CHARACTERISTICS BEFORE AND AFTER CRYOPRESERVATION

¹Institute of Biotechnology, Slovak University of Agriculture in Nitra, Tr. A. Hlinku 2 – 94976 - Nitra, Slovakia

²AgroBioTech Research Centre, Slovak University of Agriculture in Nitra,

Tr. A. Hlinku 2 – 94976 - Nitra, Slovakia

³Slovak Biological Services a.s., Breeding station in Lužianky - 951 41 - Lužianky, Slovakia

⁴Chair of Animal Breeding and Biotechnology, Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 62 – 51006 - Tartu, Estonia

P6 **László István BEIER**¹, **Ferenc JÁNOSKA**^{2*}

PRELIMINARY SPATIAL ASSESSMENT OF THE RELATIONSHIP BETWEEN ARTIFICIAL RELEASES AND THE CURRENT DISTRIBUTION OF THE GREY PARTRIDGE (PERDIX PERDIX L.) IN HUNGARY

¹ University of Szeged, Faculty of Agriculture, Department of Animal Sciences and Wildlife Management, Hungary

²University of Sopron, Faculty of Forestry, Institute of Wildlife Management, Hungary e-mail:

P7 **Bienvenu Fogang Zogang**^{1*}, **Zeinabou Boubakary**²

EFFECT OF THE LEVEL OF INCORPORATION OF LEUCAENA LEUCOCEPHALA AND TITHONIA DIVERSIFOLIA ON THE NUTRITIONAL VALUE OF FISH PELLETS

1 University of Ngaoundere, University Institute of Technology

2 University of Ngaoundere, National School of Agro Industrial Sciences

P8 **Bienvenu Fogang Zogang**^{1*}, **Kafanh**²

EFFECTS OF THE LEVEL OF INCORPORATION OF DISTILLER'S GRAINS AND BLOOD MEAL ON SOME NUTRITIONAL AND RHEOLOGICAL PROPERTIES OF PELLETS FOR CLARIAS GARIEPINUS

¹University of Ngaoundere, University Institute of Technology

²University of Ngaoundere, National School of Agro Industrial Sciences

P9 **Bienvenu Fogang Zogang**^{1*}, **Jules Marie**², **Saidou Clément**¹, **Ngathic Josiane**²

FORMULATION AND CHARACTERISATION OF MULTI-NUTRITIONAL BLOCKS BASED ON CASHEW NUT WASTE (ANACARDIUM OCCIDENTALE L.)

¹University of Ngaoundere, University Institute of Technology

²University of Ngaoundere, National School of Agro Industrial Sciences

P10 **Marinela BORA**¹, **Silvia PĂTRUICĂ**¹, **Roxana LAZAR**¹, **Lucian AVRĂMESCU**¹, **Alexandru PANICI**², **Mirela AHMADI**^{1*}

AUTHENTICATION OF HONEY USING MOLECULAR AND PHYSICOCHEMICAL METHODS

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²University of Life Sciences „King Mihai I” from Timisoara, Faculty of Engineering and Applied Technologies, Calea Aradului 119, Timisoara – 300645, Romania.

- P11** **Marinela BORA**¹, **Teodora Liana TOADER**^{1*}, **Dana Iuliana Neață**^{1*}, **Igori BALTA**¹, **Dragoș NICA**², **Teodor VINTILĂ**¹
SHEEP WOOL AS A BIOTECHNOLOGICAL RESOURCE – MODERN APPROACHES TO SUSTAINABLE UTILIZATION
¹University of Life Sciences „King Mihai I” from Timisoara, Faculty of Bioengineering of Animals Resources, Biotechnology Study Field
²The National Institute of Research—Development for Machines and Installations Designed for Agriculture and Food Industry (INMA), Bulevardul Ion Ionescu de la Brad 6, 013813 Bucuresti, Romania,
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- P12** **Danica BOŽOVIĆ**^{1*}, **Sanja VOJVODIĆ**¹, **Zoran ZEKOVIĆ**¹, **Branimir PAVLIĆ**¹
APPLICATION OF NATURAL DEEP EUTECTIC SOLVENTS (NADESS) FOR THE EXTRACTION OF POLYPHENOLS FROM BLUE POPPY (PAPAVER SOMNIFERUM) BY-PRODUCTS
¹University of Novi Sad, Faculty of Technology, Pharmaceutical engineering
-
- P13** **Alexandra CEBZAN**¹, **Beatrice Ana-Maria SÎRBU**^{1*}, **Bogdan PEȚ**¹, **Cătălin Bogdan SÎRBU**¹, **Liliana PETCULESCU CIOCHINĂ**¹, **Gabi DUMITRESCU**¹
THE IMPACT OF MICROPLASTIC EXPOSURE ON MALE REPRODUCTIVE HEALTH: A REVIEW
¹University of Life Sciences "King Mihai I" from Timisoara, Faculty of Bioengineering of Animal Resources, Department of Biotechnology
-
- P14** **Cosmina-Alecsia COSMA**¹, **Diana-Maria ISTRATE**^{1*}, **Constantina-Bianca VULPE**^{2,3}, **Bianca-Vanesa AGACHI**^{1,3}, **Adina-Daniela IACHIMOV-DATCU**^{1,3}
PRELIMINARY RESULTS ON THE AQUATIC PHYTOTOXICITY OF DIFENCONAZOLE ON DUCKWEED (LEMNA MINOR)
¹ West University of Timișoara, Faculty of Chemistry, Biology, Geography, Department of Biology, Pestalozzi 16, 300115, Timișoara, Romania,
²West University of Timișoara, Advanced Environmental Research Institute, Department of Scientific Research in Biology, Oituz, 4, 300086 Timișoara, Romania
³The Academy of Romanian Scientists, Ilfov 3, 050044, București, România
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- P15** **Saida-Roxana FEIER-DAVID**¹, **Ioan PEȚ**¹, **Silvia PĂTRUICĂ**¹, **Roxana LAZĂR**¹, **Gheorghe David**^{2*}
CULTIVATION OF THE SPECIES PHACELIA TANACETIFOLIA BENTH., IN THE CONTEXT OF CLIMATE CHANGES AND SUSTAINABLE DEVELOPMENT IN AGRICULTURE
¹University of Life Sciences "King Mihai I" from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, 119, 300645, Timisoara, Romania
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Section: Biotechnology and Animal Science

²University of Life Sciences "King Mihai I" from Timisoara, Faculty of Agriculture, Calea Aradului, 119, 300645, Timisoara, Romania

- P16 Adina-Daniela IACHIMOV-DATCU¹, Mariana – Adina MATICA^{1*}**
LEARNING ENTREPRENEURSHIP TOGETHER WITH CONCEPTS REGARDING GREEN AND CIRCULAR BIOECONOMY IN UNIVERSITIES. CASE STUDY: FACULTIES FROM WEST UNIVERSITY OF TIMIȘOARA
¹ West University of Timisoara, Chemistry, Biology, Geography Faculty, Department of Biology

- P17 Diana-Maria ISTRATE^{1*}, Cosmina-Alecsia COSMA¹, Adina-Daniela IACHIMOV-DATCU^{1,3}, Bianca-Vanesa AGACHI^{1,3}, Constantina-Bianca VULPE^{2,3}**
PRELIMINARY RESULTS ON THE TERRESTRIAL PHYTOTOXICITY OF DIFENCONAZOLE ON RADISH (RAPHANUS SATIVUS) AND MAIZE (ZEA MAYS)

¹West University of Timișoara, Faculty of Chemistry, Biology, Geography, Department of Biology, Pestalozzi 16, 300115, Timișoara, Romania,

²West University of Timișoara, Advanced Environmental Research Institute, Department of Scientific Research in Biology, Oituz, 4, 300086 Timișoara, Romania

³The Academy of Romanian Scientists, Ilfov 3, 050044, București, România

- P18 Zakhar IVANNIKOV¹, Marina SARVILINA²**
USE OF PROTEOLYTIC ENZYMES IN CATTLE NUTRITION - A REVIEW
¹University of Szeged, Faculty of Agriculture, Department Agricultural Engineering
²University of Szeged, Faculty of Agriculture, Department Agricultural Engineering

- P19 Diana-Ioana MARCU¹, Sandra-Florina LELE¹, Ioan PET¹, Gheorghe DAVID², Saida-Roxana FEIER-DAVID^{1*}**
THE PHYTOPHARMACEUTICAL PROPERTIES OF 6 SEGETAL AND RUDERAL WEED SPECIES - A REVIEW

¹University of Life Sciences "King Mihai I" from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, 119, 300645, Timisoara, Romania

²University of Life Sciences "King Mihai I" from Timisoara, Faculty of Agriculture, Calea Aradului, 119, 300645, Timisoara, Romania

- P20 Yuri Marmaryan¹, Zorik Bambukhchyan, Tatevik Sargsyan^{1,2}, Valeri Aleksanyan³, Levon Ter-Isahakyan⁴, Davit Navasardyan¹**
PHYSICAL AND TECHNICAL WOOL TRAITS OF MAZEKH SHEEP BREED
¹Research Center of Selection. Genetics and Feeding of Agricultural Animals. Armenian National Agrarian University. 0009. Koryun str. 19. Yerevan. Republic of Armenia
²Ministry of Economy of the Republic of Armenia. 0010. M.Mkrtchyan str.
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"Young People and Multidisciplinary Research in Applied Life Sciences"
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5. Yerevan. Republic of Armenia

³Center for Ecological-Noosphere Studies of the National Academy of Sciences. 0025. Abovyan str. 68. Yerevan. Republic of Armenia

⁴«Pedigree Animal Breeder's Association» NGO. 0037. Azatutyun str. 1/21. Yerevan. Republic of Armenia

P21 Mariana – Adina MATICA^{1*}, Adina-Daniela IACHIMOV-DATCU¹
EXPERIMENTAL APPROACHES FOR CIRCULAR BIOECONOMY EDUCATION: INTEGRATING SUSTAINABLE BIOTECHNOLOGIES AND GREEN INNOVATION IN STUDENT TRAINING

¹ Department of Biology, Faculty of Chemistry, Biology, Geography, West University of Timișoara, Pestalozzi 16, Timișoara, Timiș, Romania

P22 Elena NEAGU¹, Denisa RUSU¹, Cristina BOCȘE¹, Alexia HRITUC¹, Beatrice Ana-Maria SÎRBU^{1*}, Cătălin Bogdan SÎRBU¹
THE INFLUENCE OF HORMONAL AND NON-HORMONAL BIOTECHNOLOGIES ON REPRODUCTIVE EFFICIENCY IN DOMESTIC RUMINANTS

¹University of Life Sciences "King Mihai I" from Timisoara, Faculty of Bioengineering of Animal Resources, Department of Biotechnology

P23 Ariana Maura PEICUȚI¹, Silvia PĂTRUICĂ^{1*}
THE INFLUENCE OF CLIMATE CHANGE ON THE FORAGING BEHAVIOR OF BEES AND THE QUALITY OF APICULTURAL PRODUCTS

¹University of Life Sciences "King Mihai I" from Timișoara, Faculty of Bioengineering of Animal Resources, Calea Aradului no.119, Romania, e-

P24 Sabina PINTILIA ^{1,2*}, Gabriel ANTON ², Elena PETCU², Cătălin LAZĂR², Marius BORDEI²
BIOFERTILIZERS AND THEIR INTERACTION WITH HERBICIDES IN SUNFLOWER (HELIANTHUS ANNUUS L.) CULTIVATION (REVIEW)

¹University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Horticulture, Department Biodiversity Conservation Management

²National Agricultural Research and Development Institute-Fundulea

P25 Ingrid Maria PLOPEANU¹, Mariam KADAM¹, Taras PRODANIUC¹, Beatrice Ana-Maria SÎRBU^{1*}, Cătălin Bogdan SÎRBU¹
STRATEGIES TO ENHANCE IN VITRO FERTILIZATION EFFICIENCY IN BOVINE: A REVIEW

¹University of Life Sciences "King Mihai I" from Timisoara, Faculty of Bioengineering of Animal Resources, Department of Biotechnology, email: ingridplopeanu@gmail.com

P26 Ioana POROSNICU^{1,2*}, Silviu-Ionut BORȘ², Adina-Mirela ARITON², Vasile VINTILA², Mihai MARES¹
PHYSICO-CHEMICAL QUALITY ANALYSIS OF MAIZE USED AS CATTLE FEED

¹„Ion Ionescu de la Brad” Iasi University of Life Sciences, Romania

"Young People and Multidisciplinary Research in Applied Life Sciences"
Section: Biotechnology and Animal Science

²Research and Development Station for Cattle Breeding Dancu, Iasi, Romania

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- P27** **Ioana POROSNICU^{1,2*}, Silviu-Ionut BORSȘ², Adina-Mirela ARITON², Madalina-Alexandra DAVIDESCU¹, Mihai MARES¹**
INTERACTION BETWEEN FEED COMPOSITION AND RUMEN MICROBIOTA IN CATTLE
¹„Ion Ionescu de la Brad” Iasi University of Life Sciences, Romania
² Research and Development Station for Cattle Breeding Dancu, Iasi, Romania

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- P28** **Andrijana PUJICIC¹, Bianca-Vanesa AGACHI ^{2*}, Adriana ISVORAN ^{1*}**
COMPUTATIONAL ASSESSMENT OF THE HUMAN HEALTH AND ECOTOXICOLOGICAL EFFECTS OF THE MAIN COMPOUNDS IDENTIFIED IN TARRAGON EXTRACTS
¹ West University of Timisoara, Faculty of Chemistry, Biology, Geography, Department of Biology
²West University of Timisoara, Faculty of Chemistry, Biology, Geography, Department of Chemistry

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- P29** **Adrian-Dan RĂȘINAR ^{1*}, Marc COSTEA ¹, Neli-Georgeta TODEA ¹, Octavia-Sorin VOIA ¹, Tiberiu POLEN ^{1*}**
CURRENT STATUS AND PERSPECTIVES OF MANGALITSA PIG BREEDING IN ROMANIA
¹University of Life Sciences "King Mihai I" from Timișoara, Faculty of Bioengineering of Animal Resources, Calea Aradului no.119

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- P30** **Săvescu (Cordeli) Anca Nicoleta^{1,2}, Tenciu Magdalena¹, Desimira Maria STROE¹, Mihai Vintilă^{1,3}, Marcu Ionuț ^{1,4*}**
THE ROLE OF CTENOPHARYNGODON IDELLA (VALENCIENNES, 1844) IN OPTIMIZING AQUACULTURE PROCESSES: A MULTIDIMENSIONAL ASSESSMENT
¹Institute for Research and Development in Aquatic Ecology, Fishing and Aquaculture, 54 Portului Street, 800211 Galati, Romania;
²Faculty of Engineering, "Dunarea de Jos" University of Galati, 111 Domneasca Street, 800201 Galati, Romania
³Romanian Academy, School of Advanced Studies of the Romanian Academy, Doctoral School of Economic Sciences, National Institute for Economic Research "Costin C. Kirițescu", The Institute of National Economy
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THERAPEUTIC APPROACHES OF RETAINED PLACENTA IN DAIRY COWS
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- P32** Milica STOŽINIĆ^{1*}, Ivana LONČAREVIĆ¹, Biljana PAJIN¹, Branislav ŠOJIĆ¹, Atila GERE²
ACHETA DOMESTICUS - ALTERNATIVE SOURCE OF PROTEIN INTENDED FOR COCOA CREAM ENRICHMENT
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- P33** Teodora Liana TOADER ¹, Gabriel Ioan MOLDOVAN ^{1*}, Timotei Bogdan BACOS ², Adrian Eugen CIOABLA ², Teodor VINTILĂ ^{1*}
VOLATILE FATTY ACIDS - ALKALINE BUFFER CAPACITY RATIO APPLIED TO MONITORIZE BIOGAS PLANTS IN WEST REGION OF ROMANIA
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- P34** Neli-Georgeta TODEA¹, Octavia-Sorin VOIA^{1*}, Ioana Andreea PRISTAV¹, Adrian-Dan RĂȘINAR¹, Tiberiu POLEN¹, Ludovic Toma CZISZTER, Ioan PEȚ¹
STUDY OF THE FREQUENCY OF SCRAPIE-RESISTANT GENOTYPES IN TURCANĂ SHEEP BREED
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- P35** Petra TUCILIA-CIOCAN¹, Ioan PEȚ¹, Gabi DUMITRESCU¹, Mirela AHMADI^{1*}
THE CHEMISTRY OF TASTE: BITTER-MASKING COMPOUNDS IN FOOD AND PHARMACEUTICAL PRODUCTS
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- P36** Sanja VOJVODIĆ ^{1*}, Danica BOŽOVIĆ ¹, Milica AĆIMOVIĆ ², Zoran ZEKOVIĆ ¹, Branimir PAVLIĆ ¹
SCREENING OF ECOLOGICALLY ORIENTED NATURAL DEEP EUTECTIC SOLVENT (NADES) FOR ISOLATION OF BIOACTIVE COMPOUNDS FROM SOLIDAGO VIRGAUREA
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P37 Jelena Vukosavljević^{1*}, Sara Hourani¹, Boris M. Popović², Branimir Pavlič^{1*}

VALORIZATION OF CAULIFLOWER GLAZE AS A SOURCE OF BIOACTIVE POLYPHENOLS

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P38 Hossein Zakariapour Bahnamiri¹, Alica Navrátilová², Marek Kovár³, Lucia Klongová¹, Anetta Bakošová⁴, and Miroslava Požgajová^{1*}

EFFECTS OF ALUMINUM EXPOSURE AND INVOLVEMENT OF TOR1 SIGNALING ON CELL CYCLE REGULATION IN SCHIZOSACCHAROMYCES POMBE

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MILK-TO-KEFIR TRANSFORMATION: AN ENTREPRENEURIAL STRATEGY FOR INCREASING ADDED VALUE AMIDST THE RAW MILK PRICE CRISIS

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STUDY ON THE STRUCTURE OF THE EQUINE POPULATION IN HOUSEHOLDS

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EFFECTS OF NON-GENETIC FACTORS ON SERVICE PERIOD LENGTH IN ROMANIAN BROWN COWS

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RABBITS AS COMPANION ANIMALS

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INTRAFOLLICULAR OOCYTE INJECTION IN CATTLE: ADVANCES, CHALLENGES, AND FUTURE PERSPECTIVES

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MACHINE LEARNING BASED ANALYSIS OF DAIRY COWS VOCAL BEHAVIOUR

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NATURAL AND SYNTHETIC COMPOUNDS WITH ANTIMICROBIAL POTENTIAL: A REVIEW

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BALANCED NUTRITION FOR EFFICIENT REPRODUCTION IN SHEEP: A REVIEW

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QUANTITATIVE SPLANCHNOLOGICAL STUDY OF STERLET (ACIPENSER RUTHENUS) REARED IN A RECIRCULATING AQUACULTURE SYSTEM

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CLINICAL APPLICATIONS OF TOPICAL ZINC OXIDE NANOPARTICLES

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P49 **Andrei STAMATE¹, Diana Ioana MARCU¹, Adela MARCU¹**
THE INFLUENCE OF THE HYGIENIC QUALITY OF RAW MILK ON ITS STABILITY DURING COLD STORAGE

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EFFECTS OF WALNUT (*Juglans regia L.*) KERNEL MEAL SUPPLEMENTATION IN OSTRICH DIETS ON GROWTH PERFORMANCE AND FATTY ACID PROFILES

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EXPRESSION AND ROLES OF ENOS DURING THE TRANSITION TO MOTHERHOOD

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REGENERATIVE MEDICINE IN ENT: CURRENT PERSPECTIVES AND NEW CHALLENGES

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MOLECULAR PATHWAYS INVOLVED IN THE STRESS RESPONSE IN NEURODEGENERATIVE DISEASES

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BACTERIAL SPECIES AND ANTIBIOTIC RESISTANCE IN HOSPITALIZED CHILDREN

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P56 Silviu-Ionuț BORȘ¹, Mirela ARITON¹, Ioana POROȘNICU¹, Amalia-Ioana HÂRBU²

ANOVLATION AND OVARIAN CYSTS CONDITIONS IN DAIRY CATTLE

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