
Multidisciplinary Conference on Sustainable Development
Section: Biotechnology and Animal Science



UNIVERSITY OF LIFE
SCIENCES
"KING MIHAI I" from
TIMIȘOARA



SCIENTIFIC PROGRAMME

*"Multidisciplinary Conference on Sustainable
Development"*

Section: Biotechnology and Animal Science

FACULTY of BIOENGINEERING of ANIMAL RESOURCES



May 15 - 16, 2025



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



Faculty of Agrobiology
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



GENERAL PROGRAMME
Thursday, May 15, 2025

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

08³⁰-10⁰⁰	<i>Participants arrival</i> Aula Magna University of Life Sciences "King Mihai I" from Timișoara
10⁰⁰-10¹⁰	<i>Welcome speech</i> Prof. Cosmin POPESCU, PhD - Rector of University of Life Sciences "King Mihai I" from Timisoara
10¹⁰-10¹⁵	<i>Guest of Honor speech</i> Prof. Sorin-Mihai CÎMPEANU, PhD – President of the National Council of Rectors, Rector of the University of Agronomic Sciences and Veterinary Medicine of Bucharest, President of Agence Universitaire de la Francophonie
10¹⁵-10²⁰	<i>Guest of Honor speech</i> Alfred Robert SIMONIS – President of the Timiș County Council
10²⁰-10²⁵	<i>Guest of Honor speech</i> Răzvan POPESCU - Secretary of State at the Ministry of Investments and European Projects
10²⁵-10³⁰	<i>Guest of Honor speech</i> Prof. Păun Ion OTIMAN, PhD – Full Member of the Romanian Academy
10³⁰-10³⁵	<i>Conference opening</i> Prof. Kálmán IMRE, PhD - Vicerector of Research, Innovation and Technological Transfer of the University of Life Sciences "King Mihai I" from Timișoara

Multidisciplinary Conference on Sustainable Development
Section: Biotechnology and Animal Science

10³⁵-10⁵⁰ **Dr. Joshua David KLEIN** - Volcani Institute Agricultural Research Organization, Rishon, Israel
Plenary presentation - A life dedicated to innovative research and development for plant and animal well-being

10⁵⁰-11⁰⁰ ***Artistic moment***

11⁰⁰-12⁰⁰ ***Awarding of the Doctor Honoris Causa title***
Guest of Honor speech

Roxana VITAN - President of the Romanian-American Foundation

Awarding ceremony

Prof. Abigail Borron, PhD - University of Georgia, Department of Agricultural Leadership, Education and Communication

Artistic moment

Plenary presentation

Prof. Abigail Borron, PhD - *University and community collaboration: Building Extension and strengthening rural communities in Romania*

12⁰⁰-13⁰⁰ **Inauguration of the biogas plant at the ULST Didactic Station**

13⁰⁰-14³⁰ ***Lunch Break (ULST, Expo Pavilion)***

14³⁰-18⁰⁰ ***Paper presentations on faculty sections***

19⁰⁰-23⁰⁰ ***Gala Dinner "Flonta Restaurant"***

Friday, May 16, 2025

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

9⁰⁰ – 11³⁰	POSTER presentations on Faculty sections
9⁰⁰ – 10⁰⁰	MDPI presentations- <i>Academic Article-Writing Techniques</i>
10⁰⁰ – 13⁰⁰	WORKSHOP Bioeconomy and applied biotechnology to revitalize European local communities - Final event in the <i>BIOLOC</i> project
13⁰⁰ – 14⁰⁰	<i>Visit to the farm and the new biogas station of ULS Timișoara</i>

*"S1" Amphitheater
Faculty of Bioengineering of Animal Resources
University of Life Sciences "King Mihai I" from Timișoara*

11⁰⁰ – 12⁰⁰	MULTIPLIER EVENT - Dissemination of the activities carried out within the Erasmus+ project "Smooth Transition from Academia to a Carrier in Agro-Biotechnology: Designing Carrier Plan" (2023-1-SK01-KA220-HED-000160349) . Assoc. Prof. Monica DRAGOMIRESCU, PhD - "Professional integration in the agrobiotechnological field between requirements and challenges"
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The Senate Hall

11:30 – 12:30	MDPI presentations for PhD students - <i>Publication Ethics</i> <i>Discover Timișoara by yourselves</i>
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Section "Biotechnology and Animal Science"

Thursday, May 15, 2025

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

Chaired by:

***Prof. Alastair Douglas, Director of Veterinary Sciences Division,
Agri-Food and Biosciences Institute (AFBI), Belfast, UK***

***Prof. Nicolae Corcionivoschi, Head of the Food Microbiology Department,
Principal Scientific Officer at the Agri-Food and Biosciences Institute (AFBI),
Belfast, UK***

***Prof. David McCleery, Head of Bacteriology,
Agri-Food and Biosciences Institute (AFBI), Belfast, UK***

14³⁰-14³⁵

Welcome speech

Prof. Ioan PET, PhD, Dean of Bioengineering Faculty of Animal Resources – ULST

Prof. Gabi DUMITRESCU, PhD, Vice-dean of the Bioengineering Faculty of Animal Resources, ULST

14³⁵-14⁵⁰

Dr. Joshua David KLEIN – Volcani Institute Agricultural Research Organization, Rishon, Israel

USE OF BRACKISH AND RECYCLED WATER TO GROW WILLOW (SALIX SPP.) SILAGE AS A HEALTHY STRATEGIC FEED FOR SHEEP AND GOATS

14⁵⁰-15⁰⁰

Jovan BOJKOVSKI, Sreten NEDIĆ, Sveta ARSIĆ, Aleksandra MITROVIĆ, Ivan PAVLOVIĆ, Branko ANGJELOVSKI, Milan NINKOVIĆ

THE ROLE OF BIOSECURITY IN CONTROLLING EXTENSIVE AND INTENSIVE PIG HERD HEALTH

¹*University of Belgrade, Faculty of Veterinary Medicine, Department for ruminants and swine disease, Bulevar oslobođenja 18, Belgrade, Serbia*

²*Scientific Veterinary Institute Serbia, Janusa Janulisa 14, Belgrade, Serbia*

³*Department of Farm Animals Internal Medicine, Faculty of Veterinary Medicine Skopje, Ss. Cyril and Methodius University, Lazar Pop-Trajkov 5-7, 1000 Skopje, Macedonia*

15⁰⁰-15¹⁰

Gratiela GRADISTEANU PIRCALABIORU, Stefania RUJOIU, Irina-Oana LIXANDRU-PETRE, Teodora COSOREANU

PROBIOTIC INTERVENTION AS A TOOL FOR PEDIATRIC PRECISION MEDICINE IN FOOD ALLERGIES AND OBESITY

¹*University of Bucharest, Faculty of Biology, Department of Botany and Microbiology, e-mail: gratiela.gradisteanu@icub.unibuc.ro*

²*eBio-hub Centre of Excellence in Bioengineering, National University of Science and Technology Politehnica Bucharest, e-mail: irinaoana.petre@gmail.com*

³*Marie Curie Hospital, e-mail: teodora.cosoreanu@umfcd.ro*

15¹⁰-15²⁰

Antoneta-Elena SIMA, Alexandru-Ionut ȘTEFAN, Elena-Narcisa POGURSCHI, Ioana-Alexandra ALEXE

MEAT PACKAGING: A DETERMINANT OF PRODUCT QUALITY AND SHELF LIFE

¹*University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Marasti Blvd, District 1, Bucharest, Romania*

²*ICA Research & Development, 202 Splaiul Independentei Blvd, District 6, Bucharest, Romania*

15²⁰-15³⁰

Ana-Maria IMBREA, Igori BALTA, Diana MARCU, Nicolae CORCIONIVOSCHI

PRELIMINARY FINDINGS ON THE ANTIBIOTIC RESISTANCE PROFILE OF CAMPYLOBACTER SPP. IN POULTRY

¹*Faculty of Bioengineering of Animal Resources, University of Life Sciences King Michael I from Timisoara, 300645 Timisoara, Romania*

²*Bacteriology Branch, Veterinary Sciences Division, Agri-Food and Biosciences Institute, Belfast BT4 3SD, UK*

15³⁰-15⁴⁰ **Fadila NUHU SHEHU¹, Eliza SIMIZ^{2*}, Marioara NICULA-NEAGU², Julean CALIN², Inuwa I³, Saleh I¹, Ugama G N¹, Rahmatullah YAQOOB¹, Idowu W⁴, Aisha ALIYU MUHAMMAD¹, Ahmad Y¹, Abdullahi H R⁵ and Salihu E A⁶**

ALTERNATIVE PROTEIN SOURCES USED IN BROILER CHICKEN DIETS IN NIGERIA AND ROMANIA A REVIEW

¹Ahmadu Bello University, National Agricultural Extension and Research Liaison Services (NAERLS/ABU), Zaria, Nigeria

²University of Life Sciences "King Micheal I" from Timisoara, Faculty of Bioengineering of Animal Resources, Timișoara, Romania

³Federal University of Kashere, Department of Animal Science, Gombe, Nigeria

⁴Federal University Dutsin-Ma, Department of Animal Science, Katsina, Nigeria;

⁵Federal University of Lafia, Department of Animal Science, Nasarawa, Nigeria;

⁶Ahmadu Bello University, Faculty of Agriculture, Department of Animal Science, Zaria, Nigeria

15⁴⁰-15⁵⁰ **Fadila NUHU SHEHU^{1*}, Lavinia STEF^{2*} Jame JEBBE OMAGE³, Onimisi, Philip ANIVASA³ Idris ABDULLAHI⁴ and Aisha ABDULKADIR⁵**

EVALUATION OF MANURE NITROGEN AND AMMONIA FROM BROILER CHICKENS FED WITH DIFFERENT PROTEIN SOURCES

¹Ahmadu Bello University, National Agricultural Extension and Research Liaison Services (NAERLS/ABU), Zaria, Nigeria

²Ahmadu Bello University, Faculty of Agriculture, Department of Animal Science, Zaria, Nigeria

³Ahmadu Bello University, National Animal Production Research Institute (NAPRI/ABU), Zaria, Nigeria

⁴Ahmadu Bello University, Faculty of Agriculture, Soil Science Department (ABU) Zaria, Nigeria

⁵University of Life Sciences "King Micheal I" from Timisoara, Faculty of Bioengineering of Animal Resources, Timișoara, Romania

15⁵⁰-16³⁰ **Coffee break**

Posters Session

16³⁰-16⁴⁰ **Teodor VINTILĂ, Adina HORABLAGA, Isidora RADULOV, Ioan PEȚ, Cosmin Alin POPESCU**

BIOGAS PLANT AND PHOTOVOLTAIC SYSTEM BUILT IN ULST CAMPUS AS AN EXAMPLE FOR SUSTAINABLE DEVELOPMENT

¹ University of Life Sciences „King Mihai I” from Timișoara, Faculty of Bioengineering of Animal Resources, e-mail: teodorvintila@usvt.ro

² University of Life Sciences „King Mihai I” from Timișoara, Faculty of Agriculture, e-mail: adinahorablaga@usvt.ro

- 16⁴⁰-16⁵⁰** **Cristian Andrei MURGU**
BIGGER IS BETTER? A REVIEW ON THE RELATIONSHIP BETWEEN
BODY SIZE AND CROP PEST PREDATOR EFFICIENCY
University of Agronomic Sciences and Veterinary Medicine of Bucharest
-
- 16⁵⁰-17⁰⁰** **Veronica Denisa LUNGU, Andreea Ionela ZINCA**
THE IMPACT OF INTENSIVE AND ALTERNATIVE REARING SYSTEMS
ON THE NUTRITIONAL COMPOSITION OF POULTRY MEAT
¹ *University of Agronomic Sciences and Veterinary Medicine of
Bucharest, 59 Marasti Blvd, District 1, Bucharest, Romania*
-
- 17⁰⁰-17¹⁰** **Roxana Elena (VASILIU) ȘTEFAN, Andreea Ionela ZINCA, Elena
RĂDUCANU, Viorica CONSTANTIN, George SCARLAT, Monica
Paula MARIN**
PERSPECTIVES ON THE INFLUENCE OF SUNFLOWER, RAPESEED,
AND LINSEED CAKES ON THE FATTY ACID PROFILE OF COW'S MILK
¹*University of Agronomic Sciences and Veterinary Medicine of
Bucharest, Faculty of Animal Productions Engineering and
Management, 59 Mărăști Blvd, District 1, Bucharest, Romania*
-
- 17¹⁰-17²⁰** **Andreea Ionela ZINCA, Veronica-Denisa LUNGU, Roxana Elena
(VASILIU) ȘTEFAN, Georgiana Magdalena (Gheciu-Pîrlea)
PÎRLEA, Dumitru DRAGOTOIU**
ANALYSIS OF THE CORRELATION BETWEEN FEED QUALITY AND
DAIRY COW PRODUCTIVITY ON FARMS IN CĂLĂRAȘI
¹*University of Agronomic Sciences and Veterinary Medicine of
Bucharest, Faculty of Animal Productions Engineering and
Management, 59 Mărăști Blvd, District 1, Bucharest, Romania*
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- 17²⁰-17³⁰** **Iulia A. BUNDURUS¹, Igori BALTA¹, Ioan PET¹, Lavinia STEF¹,
Cosmin Alin POPESCU², David McCLEERY³, Joanne LEMON⁴, Todd
CALLAWAY⁵, Alastair DOUGLAS³, Nicolae CORCIONIVOSCHI^{1,3,6}**
MECHANISTIC INSIGHTS INTO BIOFILM-RELATED PROCESSES OF
CAMPYLOBACTER JEJUNI: CONTROL STRATEGIES IN POULTRY
SETTINGS
¹*Faculty of Bioengineering of Animal Resources, University of Life
Sciences King Mihai I From Timisoara, Timisoara 300645, Romania;*
²*Faculty of Agriculture, University of Life Sciences King Mihai I From
Timisoara, Timisoara 300645, Romania*
³*Veterinary Sciences Division, Agri-Food and Biosciences Institute,
Belfast, Northern Ireland BT4 3SD, UK*
⁴*Chief Scientific Adviser's Office, Department of Agriculture,
Environment and Rural Affairs for Northern Ireland, Belfast, Northern
Ireland BT3 9ED, UK*
⁵*Department of Animal and Dairy Science, University of Georgia,
Athens, GA, USA; and*
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Multidisciplinary Conference on Sustainable Development
Section: Biotechnology and Animal Science

Academy of Romanian Scientists, Bucharest 050044, Romania

1730-1740

Valentin Adrian BÂLTEANU^{1*}, Alexandra Silvia ARDELEAN COSTIN¹, Maria SAUER², Ana Gina ARMAȘ², Attila ZSOLNAI³, Marian MIHAIU¹

INSIGHTS INTO THE GENETIC BACKGROUND OF TSURCANA SHEEP BASED ON AUTOSOMAL SNP MARKERS: CAN ITS ECOTYPES BE CONSIDERED BREEDS?

¹University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Faculty of Veterinary Medicine; ²Research and Development Station for Sheep and Goat Breeding, Caransebes, Department of Genetics and Animal Breeding; ³Hungarian University of Agriculture and Life Sciences Kaposvár Campus, Guba S. u. 40., 7200 Kaposvár, Hungary

1740-1750

Valentin Adrian BÂLTEANU^{1*}, Maria SAUER², Ana Gina ARMAȘ^{2*}
THE POLYMORPHISM OF THE ALPHA-S1 CASEIN GENE AND ITS INFLUENCE ON MILK COMPOSITION IN WHITE BANAT GOATS

*¹University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Institute of Life Sciences
²Research and Development Station for Sheep and Goat Breeding, Caransebes, Department of Genetics and Animal Breeding*

1750-1800

Alexandra Silvia ARDELEAN COSTIN^{1*}, Valentin Adrian BÂLTEANU¹, Marian MIHAIU¹

DIFFERENTIATING FARM ANIMALS AND GAME SPECIES FROM BIOLOGICAL SAMPLES USING MITOCHONDRIAL AND AUTOSOMAL DNA MARKERS

¹University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Faculty of Veterinary Medicine

18⁰⁰-18¹⁰

Questions & Answers

19⁰⁰-23⁰⁰

Dinner "Flonta Restaurant"

Posters

P1 **Ioana Bolohan (Acornicesei), Roxana Lazăr, Bianca Maria Mădescu, Mădălina Alexandra Davidescu, Paul Corneliu Boișteanu**
MICROBIOLOGICAL RISKS IN THE POULTRY MEAT PRODUCTION AND PROCESSING CHAIN: A SYSTEMATIC REVIEW OF THE LITERATURE
Faculty of Food and Animal Sciences, "Ion Ionescu de la Brad" University of Life Sciences, 700490 Iasi, Romania

P2 **Ioana Bolohan (Acornicesei), Roxana Lazăr, Bianca Maria Mădescu, Mădălina Alexandra Davidescu, Paul Corneliu Boișteanu**
APPLICATION OF ARTIFICIAL INTELLIGENCE AND MODERN TECHNOLOGIES IN BROILER CHICKEN FARMING: A REVIEW
Faculty of Food and Animal Sciences, "Ion Ionescu de la Brad" University of Life Sciences, 700490 Iasi, Romania

P3 **Anton Andreea Stefania¹, Neamt Radu Ionel¹, Ilie Daniela Elena¹, Mizeranschi Alexandru Eugeniu^{1,2}, Mihali Ciprian Valentin¹, Csiszter Ludovic Toma^{1,2}**
INFRARED THERMOGRAPHIC ASSESSMENT OF COLD STRESS AND GROWTH PERFORMANCE IN ROMANIAN SPOTTED AND ROMANIAN BROWN CALVES
¹Research and Development Station for Bovine, Arad, Calea Bodrogului 32, 310059 Arad, Romania
²University of Life Sciences Timișoara, Calea Aradului 119, 300645 Timișoara, Romania

P4 **Adina-Mirela Ariton^{1*}, Silviu-Ionuț Borș¹, Ioana Poroșnicu¹, Alina Borș², Vasile Vintilă**
BIOCHEMICAL CHARACTERIZATION OF BOVINE PLATELET-RICH PLASMA: A REVIEW
¹Research and Development Station for Cattle Breeding Dancu, Iasi - Ungheni Alley No. 9, Iasi, Romania
²"Ion Ionescu de la Brad" Iași University of Life Sciences, Faculty of Veterinary Medicine, Department of Public Health, 700489 Iași, Romania

P5 **Adina-Mirela Ariton^{1*}, Silviu-Ionuț Borș¹, Ioana Poroșnicu¹, Vasile Vintilă¹, Elena Ungureanu²**
EFFECTS OF PLANT EXTRACTS OBTAINED VIA ULTRASOUND-ASSISTED EXTRACTION ON PREVENTING NEONATAL DIARRHEA IN CALVES
¹Research and Development Station for Cattle Breeding Dancu, Iasi - Ungheni Alley No. 9, Iasi, Romania
²"Ion Ionescu de la Brad" Iași University of Life Sciences, Faculty of Horticulture, Department of Exact Sciences, 700489 Iași, Romania

P6 Ionica Bejenariu¹, Floricel Maricel Dima^{1,2}, Neculai Patriche¹, Veta Nistor¹, Elena Sîrbu¹, Anca Nicoleta Cordeli¹

INFLUENCE OF THE STARVATION PERIOD ON THE TECHNOLOGICAL PERFORMANCE OF JUVENILE CARP IN A RECIRCULATING AQUACULTURE SYSTEM

¹*Institute for Research and Development in Aquatic Ecology, Fishing and Aquaculture, 800211 Galati, 54 Portului Street, Romania,*

²*Faculty of Engineering and Agronomy in Braila, "Dunarea de Jos" University of Galati, 810017, Braila, 29 Calea Calarasilor Street, Romania*

P7 Silviu-Ionuț Borș^{1*}, Adina-Mirela Ariton¹, Ioana Porosnicu¹, Alina Borș², Amalia Hârbu³, Vasile Vintilă¹

THE EFFECT OF OVARIAN CYST PUNCTURE ON THE DAIRY COW PREGNANCY RATE

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

²*"Ion Ionescu de la Brad" Iași University of Life Sciences, Faculty of Veterinary Medicine, Department of Public Health, 700489 Iași, Romania*

³*"Ion Ionescu de la Brad" Iași University of Life Sciences, Faculty of Veterinary Medicine, Department of Clinics, 700489 Iași, Romania*

P8 Silviu-Ionuț Borș^{1*}, Adina-Mirela Ariton¹, Ioana Porosnicu¹, Alina Borș², Amalia Hârbu³, Vasile Vintilă¹

ACCESSORY CORPUS LUTEUM IN CATTLE REPRODUCTION - A MINI-REVIEW

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

²*"Ion Ionescu de la Brad" Iași University of Life Sciences, Faculty of Veterinary Medicine, Department of Public Health, 700489 Iași, Romania*

³*"Ion Ionescu de la Brad" Iași University of Life Sciences, Faculty of Veterinary Medicine, Department of Clinics, 700489 Iași, Romania*

P9 Jozef Bujko^{*1}, Juraj Candrač¹, Peter Strapák², Radovan Kasarda¹

THE EVALUATION OF BIRTH WEIGHT OF CALVES IN A SELECTED BREEDING HERD OF THE SLOVAK SPOTTED CATTLE

¹*Institute of Nutrition and Genomics, 2Institute of Animal Husbandry, Faculty of Agrobiology and Food Resources, Slovak University of Agricultural in Nitra*

P10 Jozef Bujko^{*}, Juraj Candrač¹, Nina Moravčíková¹, Radovan Kasarda
THE INFLUENCE OF LIVE BIRTH WEIGHT ON MILK PRODUCTION IN SLOVAK DAIRY COWS AT FIRST LACTATION

Institute of Nutrition and Genomics, Faculty of Agrobiology and Food Resources, Slovak University of Agricultural in Nitra

- P11 Christopher Teye-Gaga^{1,2*}, Péter Bársony³**
PRELIMINARY ASSESSMENT OF REPLACING FISHMEAL AND FISH OIL WITH BLACK SOLDIER FLY LARVAL MEAL AND OIL ON GROWTH PERFORMANCE OF JUVENILE COMMON CARP *CYPRINUS CARPIO*
¹University of Debrecen, Faculty of Agricultural and Food Sciences and Environmental Management, Institute of Animal Science, Biotechnology and Nature, Department of Animal Husbandry, University of Debrecen, 138 Böszörményi street, 4032 Debrecen, Hungary
²University of Debrecen, Doctoral School of Animal Science.
³University of Debrecen, Faculty of Agricultural and Food Sciences and Environmental Management, Institute of Animal Science, Biotechnology and Nature, Department of Nutrition Physiology, 138 Böszörményi street, 4032 Debrecen, Hungary
-
- P12 Ana Elena Cișmileanu¹, Tatiana Dumitra Panaite¹, Gabriela Maria Cornescu¹**
EVALUATION OF EGG ALBUMEN FOAMING CAPACITY BY AN AUTOMATED METHOD
¹ IBNA Balotesti (National Research—Development Institute for Animal Biology and Nutrition, No.1, Calea Bucuresti, 077015 Balotesti, Romania)
-
- P13 Georgeta Ciurescu¹, Mihaela Dumitru¹, Nicoleta Lefter³, Smaranda Toma¹, Dan Râmbu^{1,2}, Madalin Manole¹**
MEAT QUALITY OF FATTENING CATTLE FED COWPEA SEEDS AS PROTEIN SOURCE
¹Animal Nutrition and Biotechnology Department, National Research Development Institute for Biology and Animal Nutrition, 077015 Balotesti, Romania;
²Faculty of Biotechnology, University of Agricultural Sciences and Veterinary Medicine, 011464 Bucharest, Romania;
³Research Station for Sericulture Baneasa, Bucharest, Romania;
-
- P14 Daniela Ecaterina Crăescu^{1*}, Maria Desimira Stroe¹, Magdalena Tenciu^{1*}, Floricel Maricel Dima^{1,2}, Neculai Patriche¹**
EVALUATION OF WATER QUALITY IN THE DANUBE RIVER AT KM 181 AREA CHISCANI BASED ON THE WATER QUALITY INDEX (WQI)
¹Research and Development Institute for Aquatic Ecology, Fishing and Aquaculture, Galați, 54 Portului Street, 800211, Romania;
²Faculty of Engineering and Agronomy in Brăila, "Dunărea de Jos" University of Galați, 47 Domnească Street, 800201, Romania;
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- P15 Daniela Elena Ilie^{1*}, Alexandru Eugeniu Mizeranschi^{1,2,3}, Ciprian Valentin Mihali^{1,4}, Radu Ionel Neamt¹, Andreea Ștefania Anton¹, Ludovic Toma Csiszter^{1,2}**

IDENTIFICATION OF PATHWAYS ASSOCIATED WITH THERMAL STRESS IN ROMANIAN BROWN BREED

¹ *Research and Development Station for Bovine, Arad, Romania*

² *University of Life Sciences Timișoara, Romania*

³ *Institute for Advanced Environmental Research, West University of Timisoara, Romania*

⁴ *Vasile Goldis Western University of Arad, Romania*

- P16 Daniela-Mihaela Grigore¹, Maria-Luiza Mircea¹, Elena Narcisa Pogurschi¹**

MICROBIAL BIOPREPARATIONS IN BROILER NUTRITION: PRODUCTION, SAFETY, QUALITY, AND REGULATION

¹ *Faculty of Animal Productions Engineering and Management, University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Marasti Blvd, District 1, Bucharest, Romania*

- P17 Madalina Alexandra Davidescu¹, Ioana Bolohan¹, Claudia Panzaru¹, Bianca Maria Madescu¹, Ioana Porosnicu¹, Marius Gheorghe Dolis¹, Alexandru Usturoi¹**

ANALYSIS OF THE FRESHNESS AND HYGIENE STATUS OF THE CREAM USED IN THE PRODUCTION OF TABLE BUTTER

¹ *"Ion Ionescu de la Brad" Iasi University of Life Sciences*

- P18 Madalina Alexandra Davidescu^{1*}, Ioana Bolohan¹, Claudia Panzaru¹, Bianca Maria Madescu¹, Ioana Porosnicu¹, Marius Gheorghe Dolis¹, Alexandru Usturoi¹**

STUDY ON SMART PACKAGING IN THE FOOD INDUSTRY: ENHANCING FOOD SAFETY, QUALITY, AND SUSTAINABILITY

¹ *"Ion Ionescu de la Brad" Iasi University of Life Sciences*

- P19 Mălina-Andreea Dănciug (Rotaru), Bianca-Petruța Popa (Tihiniuc-Popa), Benone Păsărin**

RESULTS OBTAINED REGARDING GROWTH PERFORMANCE FOLLOWING THE ADMINISTRATION OF A WHEAT GRASS JUICE DIET TO COMMON CARP (CYPRINUS CARPIO L.)

Ion Ionescu de la Brad " University of Life Sciences Iasi, Aleea Mihail Sadoveanu no. 3, 700490, Iasi, Romania

- P20 Ana-Mariana Dincu¹, Andreea Adriana Petcov², Gabriela Popescu¹, Camelia Mănescu^{*1}, Corina Șirbu¹**

STUDY ON THE EVOLUTION OF TOURIST ACCOMMODATION FACILITIES IN CLUJ COUNTY

¹ *University of Life Sciences "King Mihai I" from Timișoara, Faculty of Management and Rural Tourism, Timișoara, Romania*

² *University of Life Sciences "King Mihai I" from Timișoara, Faculty of Engineering*

Multidisciplinary Conference on Sustainable Development
Section: Biotechnology and Animal Science

and Applied Technologies, Timisoara, Romania

P21 Ana-Mariana Dincu¹, Andreea Adriana Petcov^{*2}, Oana-Maria Sicoe-Murg¹, Violeta Elena Drăgoi³, Diana Marin¹

EXCESSIVE USE OF TECHNOLOGY AMONG ADOLESCENTS – BETWEEN NECESSITY AND ADDICTION

¹*University of Life Sciences "King Mihai I" from Timișoara, Faculty of Management and Rural Tourism, Timisoara, Romania*

²*University of Life Sciences "King Mihai I" from Timișoara, Faculty of Engineering and Applied Technologies, Timisoara, Romania*

³*Valahia university of Târgoviste, Faculty of Economics, Romania*

P22 Carmen Simona Dumitrescu, Cosmin Sălășan, Iasmina Iosim, Sorin Mihai Stanciu

DEVELOPMENT OF FOOD PRODUCTION SYSTEMS IN RURAL AREAS OF ROMANIA

University of Life Sciences "King Mihai I" from Timisoara, Faculty of Management and Rural Tourism, Department Management and Rural Development

P23 Carmen Simona Dumitrescu, Cosmin Sălășan, Iasmina Iosim, Sorin Mihai Stanciu

THE CHALLENGES FACING EU FOOD PRODUCTION SYSTEMS

University of Life Sciences "King Mihai I" from Timisoara, Faculty of Management and Rural Tourism, Department Management and Rural Development

P24 Mihaela Dumitru¹, Dan Râmbu^{1,2}, Georgeta Ciurescu¹

ENHANCED ENZYMES AND PROBIOTIC VIABILITY IN *BACILLUS*-FERMENTED OILSEED CAKES FOR ANIMAL NUTRITION

¹*Animal Nutrition and Biotechnology Department, National Research Development Institute for Biology and Animal Nutrition, 077015 Balotesti, Romania;*

²*Faculty of Biotechnology, University of Agricultural Sciences and Veterinary Medicine, 011464 Bucharest, Romania;*

P25 Viorel Fătu¹, Vasilică Savu¹, Agripina Șapcaliu^{1*}, Roxana Zaharia¹, Iulian Voicea²

PRELIMINARY ASSESSMENT OF ELECTROMAGNETIC FIELD EFFECTS INDUCED BY HIGH AND MEDIUM VOLTAGE POWER LINES ON CARBON ASSIMILATION IN MAIZE AND SUNFLOWER CULTIVATIONS

¹*Research Development Institute for Plant Protection, Bucharest, Romania*

²*The National Institute of Research-Development for Machines and Installations Designed for Agriculture and Food Industry*

Multidisciplinary Conference on Sustainable Development
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- P26 Găvan Constantin¹**
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¹Agriculture Research and Development Station Şimnic, Craiova
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- P27 Găvan Constantin¹, Riza Mihaela¹**
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¹Agriculture Research and Development Station Şimnic, Craiova, Şoseau Bălceşti, no. 54, 200721, Dolj, Romania
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- P28 Dinu Gavojdian^{1,*}, Rachel Annan², Yael Dotan³, Ioana Nicolae¹, Madalina Mincu-Iorga¹, Siobhan Mullan²**
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¹Research and Development Institute for Bovine, Department of Production Systems, Balotesti, Romania
²National University of Ireland, University College Dublin, School of Veterinary Medicine, Dublin, Ireland
³Federation of Veterinarians of Europe, Schaerbeek, Belgium
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- P29 Tudor N. Ternar¹, Alexandru I. Giurgiu^{*1}, Albanese Gianluca², Adriana C. Urcan³, Otilia Bobiş¹ & Daniel S. Dezmirean¹**
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¹University of Agricultural Sciences and Veterinary Medicine Cluj Napoca Calea Mănăştur 3-5, 400372, Cluj-Napoca Romania, Faculty of Animal Science and Biotechnology, Department of Apiculture and Sericulture
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- P30 Marek Helczman^{1*}, Marian Tomka², Lubos Harangozo³, Eva Tvrda^{2,4}, Anton Kovacik¹**
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Slovak Republic

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- P31 Elena Ilisiu^{1,2}, Vasile Calin Ilisiu^{1,2}, Daniela Rodica Mare^{1,6}, Andreea Hortesa Anghel^{1,3,4}, Cristian Vasile Ilisiu^{1,2,5}, Dorina Nadolu^{1,3}, Ion Dumitru Chirteș^{1,2}, Maria Stanciu¹**

IMPACT OF MATING OF YOUTH TSIGAI ON REPRODUCTIVES INDICES AND BODY WEIGHT AT ADULT AGE

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- P32 Ana-Maria Imbrea¹, Igori Balta¹, Nicolae Corcionivoschi^{1,2}**

THE IMPACT OF ANTIBIOTIC RESISTANCE IN CAMPYLOBACTER SPP., ON CLINICAL SEVERITY AND STRATEGIES FOR DISEASE MITIGATION

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- P33 Istrate Diana-Maria; Vulpe Constantina-Bianca; Roman Diana-Larisa; Agachi Bianca-Vanesa**

ASSESSMENT OF THE IMPACT OF CHROMIUM, NICKEL, AND LEAD NITRATE ON THE GROWTH AND PHYSIOLOGY OF *LEMNA MINOR*

Department of Biology, Faculty of Chemistry, Biology, Geography and Advanced Environmental Research Laboratories, West University of Timisoara, 16 Pestalozzi, 300315 / 4 Oituz, 300086, Timisoara, Romania

- P34 Laurian-Cristian Cojocariu^{1*}, Răzvan-Mihail Radu-Rusu²**

THE ROLE OF LABORATORY ANIMALS IN SCIENTIFIC RESEARCH

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- P35** **Bianca Maria Madescu¹, Ioana Bolohan (Acornicesei)¹, Madalina Alexandra Davidescu¹, Madalina Matei, Ioana Porosnicu^{1,2}, Paul Corneliu Boisteanu¹**
HARNESSING MODERN TECHNOLOGY TO ENHANCE THE BEHAVIORAL WELFARE OF FARM ANIMALS: INNOVATIONS IN MONITORING AND MANAGEMENT: A REVIEW
¹“Ion Ionescu de la Brad” Iasi University of Life Sciences, 700489 Iasi, Romania
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- P36** **Bianca Maria Madescu¹, Ioana Bolohan (Acornicesei)¹, Madalina Alexandra Davidescu¹, Madalina Matei, Ioana Porosnicu^{1,2}, Paul Corneliu Boisteanu¹**
MONITORING CATTLE BEHAVIOR USING ARTIFICIAL INTELLIGENCE AND IOT SENSORS: A REVIEW
¹“Ion Ionescu de la Brad” Iasi University of Life Sciences, 700489 Iasi, Romania
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¹University of Life Sciences “King Michael I” of Timisoara, Faculty of Management and Rural Tourism, Timis, Romania
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- P38** **Mănescu Camelia¹, Tabita Adamov¹, Sicoe-Murg Oana*¹, Anka Pascariu¹, Alina Mănescu²**
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¹University of Life Sciences “King Michael I” of Timisoara, Faculty of Management and Rural Tourism, Timis, Romania
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- P39** **Dragoș Moraru^{1*}, Adrian Grozea¹, Silvia Pătruică¹**
THE BIOTECHNOLOGICAL IMPACT OF ROYAL JELLY, APILARNIL, AND PROPOLIS ON STURGEON: REVIEW
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- P40 Daniela Moț¹, Emil Tîrziu², Liliana Olariu-Jurca¹**
THE EVOLUTION OF PESTE DES PETITS RUMINANTS (PPR) IN ROMANIA AND NEIGHBORING COUNTRIES
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- P41 Tatiana Dumitra Panaite^{1*}, Dumitru-Filip Iliescu^{1,2}, Gabriela Maria Cornescu¹, Ana Elena Cișmileanu¹, Dumitru Dragotoiu²**
IMPACT OF DIETARY OLEAGINOUS SEEDS ON HEALTH LIPID INDICES AND FATTY ACIDS PROFILE ON BROILER'S MEAT
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- P42 Aleksandar Pavličević^{1*}, Radomir Ratajac², Tamaš Petrović², Aleksandra Tasić³, Ivan Pavlović³**
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- P43 Ivan Pavlović¹, Slavica Živković², Bojana Mijatović², Mihajlo Stanković³, Dragiša Trailović⁴, Natalija Kostić², Aleksandra Tasić¹, Jovan Bojkovski⁴, Sara Simeunović⁵**
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P44 Rodica Ștefania Pelmuș¹, Mircea Cătălin Rotar¹, Mihail Alexandru Gras¹, Cristina Van¹

THE GENETIC PARAMETERS FOR AVERAGE DAILY GAIN AND KLEIBER RATIO IN CHAROLAISE BREED

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P45 Georgiana Magdalena Pîrlea (Gheciu Pîrlea)¹, Ștefan Teofil Vlad¹, Daniela Ianițchi¹, Marius Laurian Maftei¹, Andrada Elena Moise¹, Horia Grosu¹

POULTRY MEAT: NUTRITIONAL, SENSORY AND COMMERCIAL ANALYSIS FROM PRODUCTION TO CONSUMPTION

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P46 Ioana Porosnicu^{1,2*}, Silviu-Ionut Borș², Adina-Mirela Ariton², Andra-Sabina Neculai-Valeanu², Madalina-Alexandra Davidescu¹, Bianca-Maria Madescu¹, Vasile Vintila²

CLIMATE CHANGE AND THE EMERGING RISK OF MYCOTOXIN CONTAMINATION: A FOOD SAFETY PERSPECTIVE

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P47 Ioana Porosnicu^{1,2*}, Silviu-Ionut Borș², Adina-Mirela Ariton², Madalina-Alexandra Davidescu¹, Bianca-Maria Madescu¹, Vasile Vintila²

PREVENTION OF MYCOTOXIN CONTAMINATION RISK IN THE FEED CHAIN THROUGH GHP AND HACCP

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P48 Andrijana Pujicic¹, Bianca-Vanesa Agachi², Constantina-Bianca Vulpe², Iuliana Popescu², Adriana Isvoran¹

ECOTOXICOLOGICAL ASSESSMENT OF TARRAGON AQUEOUS EXTRACT AND ESSENTIAL OIL ON *LEMNA MINOR*

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P49 Elena Raducanu¹, Roxana Elena Stefan (Vasilii)¹, Remus Ioan Chiorean^{1,2*}, Livia Vidu¹

STUDY REGARDING CALVES HEALTH PRACTICE FROM BIRTH TO WEANING ON ROMANIAN DAIRY BUFFALO FARMS, CONSIDERING FARM SIZE

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P50 Adrian-Dan Rășinar¹, Tiberiu Polen^{1*}, Sorin Octavian Voia¹, Eliza Simiz¹, Silvia Pătruică¹

THE PERSPECTIVE OF USING ESSENTIAL OILS IN SWINE: REVIEW

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P51 Roxana Nicoleta Lazăr¹, Silvia Pătruică¹

VALORIZATION OF PRODUCTS AND BY-PRODUCTS RESULTING FROM SERICULTURE AND MORICULTURE

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P52 Saida-Roxana Feier-David¹, Ioan Peț¹, Dumitru Popescu¹, Ionel Samfira², Gheorghe David²

THE INFLUENCE OF SOME TECHNOLOGICAL ELEMENTS ON SUNFLOWER YIELDS, CULTIVATED IN THE TIMIS LOW PLAIN

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P53 Cătălina Sănduleanu^{1,2}, Andra-Sabina Neculai-Văleanu¹, Gabriela Amariții², Vasile Maciuc²

BEYOND THE SURFACE: INFRARED THERMOGRAPHY AND BIOMARKER INSIGHTS IN MASTITIS DETECTION

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FROM TANK TO TABLE: SEASONAL TRENDS IN DENSITY AND DRY MATTER AND THEIR IMPACT ON DAIRY PROCESSING

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P55 **¹Aleksandra Tasic, ²Sara Simeunovic, ¹Ivan Pavlovic, ¹Nemanja Zdravkovic**

ANALYSIS OF HONEY AND POLLEN EXPOSURE TO MULTIPLE PESTICIDES RESIDUES IN THE HIVE

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P56 **Elena Claudia Sîrbulescu¹, Luminita Pîrvulescu¹, Corina Constanta Sîrbu¹, Andrea Feher¹, Iuliana Ioana Merce¹**

GENERAL ASPECTS REGARDING THE EVOLUTION OF THE MAIN MACROECONOMIC INDICATORS IN ROMANIA

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P57 **Elena Claudia Sîrbulescu*¹, Ioana Anda Milin², Cosmina Toader³, Mariana Chirilă⁴, Daniel Chirilă⁵**

EXPLORING GLOBAL AGRICULTURE

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- P58** **Stefan Teofil Vlad¹, Stefania Iuliana Bordei (Bololoi)¹, Georgiana Magdalena (Gheciu Pirlea)¹, Daniela Ianitchi¹, Marius Laurian Maftei¹, Daniela-Mihaela Grigore¹, Elena Andrada Moise¹, Ioan Custura¹, Minodora Tudorache¹**
FACTORS INFLUENCING THE QUALITY OF CHICKEN MEAT
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- P59** **Bianca-Petruța Popa(Tihiniuc-Popa), Constantin Nistor, Mălina-Andreea Dănciug (Rotaru), Elena-Oana Roșca (Parfenie), Benone Păsărin**
THE INCLUSION OF SUNFLOWER AND FLAX SEEDS IN THE DIET OF MANGALIȚA BRED
¹ „Ion Ionescu de la Brad ” University of Life Sciences Iași, Aleea Mihail Sadoveanu no. 3, 700490, Iași, Romania
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- P60** **Jana Žiarovská, Lenka Kučerová, Alžbeta Jauschová, Miroslava Kačániová**
IDENTIFICATION OF DNA FINGERPRINT PATTERN VARIABILITY OF KNOWN RETROTRASPOSONS IN *PLANTAGO LANCEOLATA* L.
Institute of Plant and Environmental Sciences, Faculty of Agrobiological and Food Resources, Slovak University of Agriculture in Nitra, Tr. A. Hlinku 2, 94976, Slovak Republic
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- P61** **Valeria Cristina Bulgaru^{1*}, Mihail Alexandru Gras¹, Gina Cecilia Pistol¹, Daniela Marin¹, Ionelia Taranu¹**
TRENDS IN MYCOTOXINS CO-OCCURRENCE IN THE COMPLETE FEED FOR FARM ANIMALS IN SOUTHERN ROMANIA DURING 2021-2024 PERIOD
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- P62** **Ana Maria Ciupitu¹, Gina Cecilia Pistol¹, Daniela Eliza Marin¹ And Ionelia Taranu¹**
APPLE AND CARROT INDUSTRIAL WASTES AS ENHANCERS OF THE INTESTINAL HEALTH IN PIGLETS AFTER WEANING
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- P63** **Gabriela Maria Cornescu, Cristina Gabriela Tudorica, Ana Elena Cismileanu, Tatiana Dumitra Panaite**
A REVIEW ABOUT BEHAVIORAL INDICATORS OF STRESS IN BROILERS: INSIGHTS FROM DIGITAL MONITORING TECHNOLOGIES
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- P64** **Iuliana Stefania Bordei (Bololoi)^{1*}, Ionela Florentina Toma (Enache)^{1*}, Alina Udrouiu¹, Andrada Elena Moise¹, Mihaela Geicu-Cristea¹, Carmen Georgeta Nicolae¹**

STUDY ON THE INFLUENCING FACTORS OF CONSUMER CHOICES REGARDING PHEASANT MEAT

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- P65** **Luciana Daniela Portella Carreño¹, Carla-Maria Strejanțu¹, Florica Morariu¹, Dumitru Popescu¹, Eugen Cătălin Zoican¹**

HYDROPONICS – A SOLUTION FOR SUSTAINABLE URBAN AGRICULTURE: A COMPARATIVE STUDY ON PLANT GROWTH AND RESOURCE CONSUMPTION

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THE ROLE OF METABOLOMICS IN PERSONALIZED MEDICINE: UNLOCKING NEW PATHWAYS TO PRECISION HEALTH

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- P67** **Mirela Ahmadi¹, Ioan Pet¹, Gabi Dumitrescu¹, Lavinia Ștef¹, Liliana Ciochină Petculescu¹, Igori Balta¹, Florica Morariu¹, Marius Maței², Saida-Roxana Feier¹, Dorel Dronca¹**

NANOBIOTECHNOLOGY IN DRUG DELIVERY: INNOVATIONS, CHALLENGES, AND FUTURE DIRECTIONS

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- P68** **Radu Neamt^{1*}, Neculai Dragomir¹, Ludovic Csiszter^{1,2}, Gheorghe Saplacan¹, Ciprian Mihali¹, Alexandru Mizeranschi¹, Daniela Ilie¹, Florin Neciu¹**

AGROTECHNICAL FEATURES, PALATABILITY AND THE EFFECTS ON MILK PRODUCTION OF CICHORIUM INTYBUS

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P69 Mircea Cătălin Rotar¹, Rodica Ștefania Pelmuș¹, Mihail Alexandru Gras¹, Cristina Van¹

THE GENETIC PARAMETERS FOR AVERAGE DAILY GAIN AND KLEIBER RATIO IN ABERDEEN ANGUS BREED

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P70 Dorel Dronca¹, Ioan Pet¹, Gabi Dumitrescu¹, Lavinia Ștef¹, Liliana Ciochină Petculescu¹, Sivia Pătruică¹, Mirela Ahmadi¹, Marius Maței², Adela Marcu¹, Marioara Neagu-Nicula¹, Florica Morariu¹, Ion Caraba¹, Calin Julean¹, Saida Feier-David¹, Roxana Lazăr¹

ESTIMATING THE POTENTIAL MILK PRODUCTION IN *ORYCTOLAGUS CUNICULUS*

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QUANTITY AND QUALITY RESEARCHES OF SPERM IN *ORYCTOLAGUS CUNICULUS* DEPENDING ON THE SAMPLING FREQUENCY

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P72 Geneveva Buzamat¹, Silvia Patruica^{1*}, Elena Pet², Silvia Erina¹, Constanta Corina Sirbu²

MARKETING RESEARCHON THE APIARIAN PRODUCTS MARKET IN ROMANIA

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P73 Mihail Alexandru Gras¹, Cătălin Mircea Rotar¹, Mădălin Manole¹, Cătălin Dragomir¹

STUDY REGARDING GREENHOUSE GAS EMISSIONS AND CARBON FOOTPRINT IN ROMANIAN SHEEP FARMS

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EFFECT OF SEASON ON MILK CHEMICAL COMPOSITION IN ROMANIAN BUFFALO
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- P75 R. Burlacu**
MATHEMATICAL MODEL OF THE ENERGY AND PROTEIC METABOLISM APPLIED TO PIGS
The University of Agriculture Sciences and Veterinary Medicine – Bucharest, 59 Marasti street, sec. 1, Bucharest, Romania
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- P76 Michaela Burvalova^{1*}, Monika Zouharova², Nathália Oderich Muniz³, Ales Pavlik¹, Petr Slama¹**
STUDY OF MACROPHAGE SURVIVAL DURING CO-CULTIVATION WITH BACTERIA IN A NANOFIBER SCAFFOLD 3D CELL CULTURE SYSTEM
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- P77 Iepan Maria Alexandra¹, Morariu Florica¹, Lele Sandra Florina¹, Peț Ioan^{1*}**
EVALUATION OF HERBICIDE-ADJUVANT COMBINATIONS FOR THE CONTROL OF AMBROSIA ARTEMISIIFOLIA WEEDS IN SUNFLOWER (EXPRESS HYBRID)
¹ University of Life Sciences "King Mihai I" from Timișoara, Romania, Faculty of Bioengineering of Animal Resources, Department II Biotechnology
-
- P78 Miroslava Kačániová¹, Ján Kollár², Oleg Paulen¹**
ANTIBACTERIAL ACTIVITY OF CROCUS SATIVUS ESSENTIAL OIL AGAINST SELECTED PHYTOPATHOGENIC BACTERIA AND ITS INSECTICIDAL POTENTIAL
¹ Institute of Horticulture, Faculty of Horticulture and Landscape Engineering, Slovak University of Agriculture, Trieda Andreja Hlinku 2, 94976 Nitra, Slovakia
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-

P79 **Miroslava Kačániová¹, Ján Kollár², Oleg Paulen¹**
IN VITRO AND IN SITU ANTIBACTERIAL AND INSECTICIDAL ACTIVITY OF *FRAGARIA ANANASSA* ESSENTIAL OIL

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P80 **Miroslava Kačániová¹, Ján Kollár², Oleg Paulen¹**
ANTIFUNGAL ACTIVITY OF *LONICERA CAPRIFOLIUM* ESSENTIAL OIL AGAINST SELECTED PHYTOPATHOGENIC FUNGI AND ITS INSECTICIDAL ACTIVITY

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P81 **Miroslava Kačániová¹, Ján Kollár², Oleg Paulen¹**
INSECTICIDAL ACTIVITY AND ANTIMYCOTIC EFFECT OF *PINUS SILVESTRIS* ESSENTIAL OIL AGAINST YEASTS OF THE GENUS *CANDIDA*

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P82 **Miroslava Kačániová¹, Ján Kollár², Oleg Paulen¹**
THUJA OCCIDENTALIS ESSENTIAL OIL: *IN VITRO* AND *IN SITU* ANTIBACTERIAL POTENTIAL AGAINST PHYTOPATHOGENIC BACTERIA AND INSECTICIDAL ACTIVITY

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P83 **Miroslava Kačániová¹, Ján Kollár², Oleg Paulen¹**
ANTIBACTERIAL ACTIVITY OF *PICEA MARIANA* ESSENTIAL OIL AGAINST SELECTED ANIMAL PATHOGENS AND INSECTICIDAL ACTIVITY AGAINST *MEGABRUCHIDIUS DORSALIS*

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P84 **Sîrbu Constanța Corina, Dincu Ana Mariana, Popescu Gabriela, Duma Copcea Anișoara, Mihuț Casiana**

MANAGEMENT OF PROTECTED AREAS AND THE ANTHROPOGENIC IMPACT ON THEM

University of Life Sciences "King Mihai I" from Timisoara,, Faculty of Management and Rural Tourism, Calea Aradului, 119, Timisoara, Romania

P85 **Sîrbu Constanța Corina, Dincu Ana Mariana, Buzamăt Geneveva, Lia Rotariu**

STRATEGIES FOR DEVELOPING ECOLOGICAL TOURISM IN MEHEDINȚI COUNTY

University of Life Sciences "King Mihai I" from Timisoara,, Faculty of Management and Rural Tourism, Calea Aradului, 119, Timisoara, Romania

P86 **Teodora Toader ¹, Igori Balta ¹, Dana Neață ¹, Evelin Anda Laza ², Dragoș Nica ², Gabriel Fodorean ², Monica Dragomirescu ¹, Teodor Vintilă ^{1*}**

ENZYMATIC HYDROLYSIS OF SHEEP WOOL TO OBTAIN A PLANT FERTILIZER

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² The National Institute of Research – Development for Machines and Installations Designed for Agriculture and Food Industry – INMA Bucharest

P87 **Grad Daniela Gianina^{1,2}, Menghiu Gheorghita^{1,2*}**

SUSTAINABLE ENZYMIC APPROACH FOR THE RELEASE AND DETECTION OF PERIPLASMIC PEROXIDASES IN *ESCHERICHIA COLI*

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² Department of Biology; Faculty of Chemistry, Biology, Geography, West University of Timisoara, Pestalozzi 16, Timisoara 300115, Romania

P88 **Heryka Tatsinkou ¹, Bienvenu Fogang Zogang ^{2*}**

TECHNOLOGICAL AND NUTRITIONAL SUITABILITY OF SOME LOCAL CEREALS ENRICHED WITH TERMITES FOR PASTIFICATION

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- P89 Bienvenu Fogang Zogang^{1*}**
FORMULATION AND CHARACTERISATION OF A MUSHROOM-BASED PATE ENRICHED WITH *MACROTERMES SUBHYALINUS*
¹University of Ngaoundere, University institute of technology, Department of food science and quality control
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- P90 Daouda Tize ¹, Bienvenu Fogang Zogang ^{2*},**
VALORIZATION OF *TITHONIA DIVERSIFOLIA* LEAVES IN FISH FEED
¹ University of Ngaoundere, Faculty of sciences, Department of animal biology
² University of Ngaoundere, University institute of technology, Department of food science and quality control
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- P91 Bienvenu Fogang Zogang^{1*}**
FORMULATION AND CHARACTERISATION OF A LIGHT MARGARINE BASED ON OIL FROM COCKCHAFER LARVAE
¹ University of Ngaoundere, University institute of technology, Department of food science and quality control
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- P92 Arabela Elena Untea ¹, Tatiana Dumitra Panaite ², Dumitru-Filip Iliescu ^{1,3}, Raluca Paula Turcu ¹, Petru Alexandru Vlaicu ¹,**
WALNUT MEAL AS FEED ADDITIVE IN BROILERS NUTRITION: EFFECTS ON PERFORMANCE AND THIGH MEAT QUALITY
¹ Feed and Food Quality Department, National Research and Development Institute for Animal Biology and Nutrition, 077015 Balotesti, Ilfov, Romania
² Physiology of Animal Nutrition Department, National Research and Development Institute for Biology and Animal Nutrition, 077015 Balotesti, Ilfov, Romania
³ University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Marasti Blvd, District 1, Bucharest, Romania
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- P93 Petru Alexandru Vlaicu ¹, Arabela Elena Untea ¹, Gabriela Maria Cornescu ², Tatiana Dumitra Panaite ², Mihaela Saracila ¹, Iulia Varzaru ¹, Alexandra Gabriela Oancea ¹**
EVALUATING THE IMPACT OF *CASTANEA SATIVA* ON FUNCTIONAL EGG TRAITS UNDER PROTEIN-RESTRICTED DIETS OF LAYING HENS
¹ Feed and Food Quality Department, National Research and Development Institute for Animal Biology and Nutrition, 077015 Balotesti, Ilfov, Romania
² Physiology of Animal Nutrition Department, National Research and Development Institute for Biology and Animal Nutrition, 077015 Balotesti, Ilfov, Romania
-

P94 Tania Vlad^{1,2}, Adinela Cimporescu^{3*}, Victor Dumitrascu⁴, Corina Flangea^{3,4}, Cristian Vlad⁴, Daliborca Vlad^{3,4}, Roxana Popescu^{2,3}
SOXHLET EXTRACTION OF *ACHILLEA MILLEFOLIUM* STEM, FLOWERS AND LEAVES AND GC-MS ANALYSIS

¹ University of Medicine and Pharmacy "Victor Babeş" from Timișoara, Doctoral School of Faculty of Medicine, Timișoara, Romania

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³Pius Brînzeu County Emergency Clinical Hospital, Toxicology Department, Timisoara, Romania,

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P95 Isabella Stoian^{1,2,3}, Liliana Petculescu Ciocina⁴, Gabi Dumitrescu^{2,4}, Daniela Puscasiu^{2,3*}, Ion Valeriu Carabă^{2,4}, Roxana Popescu^{2,3}
THERAPEUTIC POTENTIAL OF SYNTHETIC COMPOUNDS IN NEURODEGENERATIVE PATHOLOGY

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P96 Cristina Marina¹, Adinela Cimporescu^{2*}, Victor Dumitrascu³, Corina Flangea³, Cristian Vlad³, Roxana Popescu⁴, Daliborca Vlad³
GC-MS ANALYSIS OF TURMERIC DRIED MILLED RHIZOMES

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P97 Emma Carabenciov^{1,2}, Isabella Stoian^{2,3}, Marioara Nicoleta Caraba^{2,3*}, Gabi Dumitrescu^{2,4}, Daniela Puscasiu^{2,3}, Ion Valeriu Carabă^{2,4}, Roxana Popescu^{2,3}
THE INFLUENCE OF TUMOR MICROENVIRONMENT ON THE PROGRESSION OF GLIOBLASTOMA

THE INFLUENCE OF TUMOR MICROENVIRONMENT ON THE PROGRESSION OF GLIOBLASTOMA

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P98 **Cristina Dragomir**^{1,2}, **Nicoleta Marioara Carabă**^{2,3*}, **Tania Vlad**^{2,3}, **Mihai Mitulețu**^{2,3}, **Ionuț Marcel Cobec**⁴, **Cristina Adriana Dehelean**^{5,6}, **Roxana Popescu**^{2,3}

EFFECTS OF MATRIX METALLOPROTEINASE-9 AND CORTISOL IN THE EARLY PUERPERIUM

¹ University of Medicine and Pharmacy "Victor Babeș" from Timișoara, Doctoral School of Faculty of Medicine

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⁴ Clinic of Obstetrics and Gynecology, Klinikum Freudenstad, Germany

⁵ University of Medicine and Pharmacy "Victor Babeș" from Timișoara, Faculty of Pharmacy, Department II Microscopic Morphology

⁶ University of Medicine and Pharmacy "Victor Babeș" from Timișoara, FARMATOX Research center for Pharmacology-Toxicological Evaluation

P99 **Sandra Mihailov**¹, **Silvia Pătruică**², **Adrian Grozea**^{3*}
INTEGRATED MULTI-TROPHIC AQUACULTURE IN THE CONTEXT OF THE CIRCULAR ECONOMY - REVIEW

¹ University of Life Sciences "King Mihai I" from Timișoara, Faculty of Bioengineering of Animal Resources, Department I Animal Production Engineering

P100 **Marioara Nicoleta Caraba**^{1,2}, **Daniela Puscasiu**^{1,2*}, **Ion Valeriu Caraba**^{2,3*}, **Ioana Liliana Muntean**^{1,2}, **Daliborca Cristina Vlad**⁴, **Adrian Sinitean**⁵, **Mihai Mitulețu**^{1,2}

STUDIES ON THE ANTIBACTERIAL CAPACITY OF SOME *THYMUS PULEGIOIDES* EXTRACTS

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- P101 Nicolae Adrian Giurginca¹, Marioara Nicoleta Caraba^{2,3*}, Gabi Dumitrescu^{3,4}, Ioan Pet⁴, Dorel Dronca⁴, Liliana Petculescu Ciochina⁴, Catalin Bogdan Sirbu⁴, Daniela Puscasiu^{2,3}, Adrian Sinitean⁵, Ion Valeriu Caraba^{3,4}**

HORMONAL CONTROL OF ESTRUS IN THE NON-BREEDING SEASON OF TURCANĂ BREED SHEEP

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- P102 Silviu Papp^{1*}, Igori Balta¹, Julean Calin¹, Corcionivoschi Nicolae^{2,3}, Silvia Patruica¹, Eliza Simiz¹, Lavinia Ștef^{1*}**

OVERVIEW OF THE EFFECTS OF BEE POLLEN ON THE INTESTINAL MICROBIOTA AND PRODUCTIVE PERFORMANCE IN BROILER CHICKENS

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- P103 Flavia Bochiș**

EQUINE WELFARE: REVIEW OF SOME BENEFITS FROM HERBAL AND PLANT-BASED THERAPIES IN HORSES

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

- P104 Flavia Bochiș**

STEREOTYPIES AND VICES AS SIGNS OF STRESS IN LEISURE HORSES

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

- P105 Eleni Malissiova^{1*}, Mariastela Vrontaki^{1*}, Avelino Alvarez², Macha Dehnavi², Alfredo Teixeira³, Sandra S. Q. Rodrigues³, Monika Modzelewska-Kapitula⁴, Katarzyna Tkacz⁴, Benedetta Bottari⁵, Marcello Alinovi⁵, Roberto Bermúdez⁶, Jose M. Lorenzo⁶, Teresa M. Lopez-Diaz²**

INNOVATIVE DIGITAL TOOLS APPLIED TO SUSTAINABLE MEAT SCIENCE AND TECHNOLOGY HIGHER EDUCATION: A LINK BETWEEN INDUSTRY AND ACADEMIA

¹University of Thessaly, School of Agricultural Sciences, Department of Animal Science

²University of Leon, School of Veterinary Medicine, Department of Food Hygiene and Technology

³Instituto Politécnico de Bragança, School of Agriculture

⁴University of Warmia and Mazury in Olsztyn, Faculty of Food Sciences, Department of Food Microbiology, Meat Technology and Chemistry

⁵University of Parma, Department of Food and Drug Science

⁶Centro Tecnológico de la Carne de Galicia, Spain

- 106. Alexandru Usturoi¹, Cătălin - Emilian Nistor¹, Marius Doliș¹, Claudia Panzaru¹, Cristina Simeanu¹, Mădălina Alexandra Davidescu^{1*}, Marius Giorgi Usturoi¹**

QUALITY PARAMETERS OF PASTEURISED LIQUID EGG

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- 107 Alexandru Usturoi¹, Cătălin - Emilian Nistor¹, Marius Doliș¹, Claudia Panzaru¹, Cristina Simeanu¹, Mădălina Alexandra Davidescu^{1*}, Marius Giorgi Usturoi¹**

QUALITY PARAMETERS OF SELECTED SCALDED-CURD CHEESE VARIETIES MARKETED IN SUPERMARKETS

¹"Ion Ionescu de la Brad" Iasi University of Life Sciences - 700489, Iasi, Mihail Sadoveanu Alley, no. 3, Romania

- P108 Bogdan MIHAI, Paula POȘAN, Dănuț ENEA, Mihai ALEXANDRU, Livia VIDU**

ANALYSIS OF QUALITATIVE MILK PARAMETERS ON A DAIRY FARM IN SOUTHERN ROMANIA

¹Didactic Station for Agronomic Research and Development - Moara Domneasca, USAMV of Bucharest, Kontzebue 10, Moara Domneasca, Găneasa, Ilfov, 077100, ²University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Marasti Blvd, District 1, Bucharest, Romania, e-

- P109 Jana Ivanič Porhajašová¹, Mária Babošová^{1*}, Peter Schultz¹, Miroslava Kačaniová²**

THE IMPORTANCE OF BIOBELTS FROM THE POINT OF VIEW OF THE BIODIVERSITY OF EPIGEIC GROUPS

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**P110 Ana Gina Armaş^{1*}, Daniela Valuşescu¹, Maria Sauer¹, Ioan
Petroman¹, Ioanţibru¹**

**A COLORIMETRIC APPROACH TO ASSESS THE COMPOSITION OF
SHEEP COLOSTRUM**

Research and Development Station for Sheep and Goat Breeding,
Caransebes, Department of Genetics and Animal Breeding

Friday, May 16, 2025

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

9⁰⁰ – 11³⁰	POSTER presentations on Faculty sections
9⁰⁰ – 10⁰⁰	MDPI presentations Academic Article-Writing Techniques
10⁰⁰ – 13⁰⁰	WORKSHOP Bioeconomy and applied biotechnology to revitalize European local communities - Final event in the BIOLOC project



BIOLOC

10⁰⁰ – 10¹⁵	Registration of participant
10⁰⁰ – 10²⁰	Welcome message from the Faculty of Bioengineering of Animal Resources
10²⁰ – 10³⁰	Assoc. Prof. Teodor VINTILĂ, PhD: Circular bioeconomy and applied biotechnology to revitalize local communities. Synergy between BIOLOC, RES-CIRCULAR and RIBES projects
10³⁰ – 10⁴⁰	Assoc. Prof. Codruța CHIȘ, PhD; PhD. Ioana SGURĂ: Bioeconomy in West Romania development region, in statistical figures
10⁴⁰ – 10⁵⁰	Lecturer Mirela SAMFIRA, PhD: The role of the social pillar in the bioeconomy of the West development region of Romania
10⁵⁰ – 11⁰⁰	Prof. Adrian GROZEA, PhD: Circular economy and biotechnology applied in the aquaculture and zootechnical sector in the West development region of Romania
11⁰⁰ – 11¹⁰	PhD. Gabriel SUSTER: Profitability in the bioeconomy of the West development region of Romania
11¹⁰ – 11³⁰	Coffee break

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- 11³⁰ – 12⁰⁰** Discussions, networking with the involvement of local community representatives: the potential and challenges of an inclusive and assertive local bioeconomy
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- 12⁰⁰ – 12³⁰** Networking to strengthen the BIOLOC Hub circular bioeconomy cooperation platform beyond the project lifetime
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- 12³⁰ – 13⁰⁰** **Lunch break**
-
- 13⁰⁰ – 14⁰⁰** Visit to the farm and the new biogas station of ULS Timișoara
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"S1" Amphitheater
Faculty of Bioengineering of Animal Resources
University of Life Sciences "King Mihai I" from Timișoara

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- 11⁰⁰ – 12⁰⁰** **MULTIPLIER EVENT** - Dissemination of the activities carried out within the **Erasmus+ project** "Smooth Transition from Academia to a Carrier in Agro-Biotechnology: Designing Carrier Plan" (2023-1-SK01-KA220-HED-000160349).
Assoc. Prof. Monica DRAGOMIRESCU, PhD- "Professional integration in the agrobiotechnological field between requirements and challenges"
-

The Senate Hall

-
- 11:30 – 12:30** ***MDPI presentations for PhD students - Publication Ethics***
Discover Timișoara by yourselves
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