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***"YOUNG PEOPLE AND MULTIDISCIPLINARY RESEARCH IN APPLIED LIFE SCIENCES"***  
***Section - "Young people and scientific research in Animal Husbandry and Biotechnology"***

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**UNIVERSITY OF LIFE SCIENCES "KING MIHAI I" from TIMIȘOARA**

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

***November 16 – 17, 2023***



***Section: Young people and scientific research in Animal Husbandry and Biotechnology***

**FACULTY OF BIOENGINEERING OF ANIMAL RESOURCES  
TIMIȘOARA, 2023**



**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**

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**Section - “Young people and scientific research in Animal Husbandry and  
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**SYMPOSIUM PROGRAMME**

**Thursday, November 16, 2023**

**Aula Magna University of Life Sciences “King Mihai I” from Timișoara**

<b>9<sup>30</sup> – 10<sup>30</sup></b>	<b>Participants arrival</b> <i>Aula Magna University of Life Sciences “King Mihai I” from Timișoara</i>
<b>10<sup>30</sup> – 10<sup>40</sup></b>	<b>Wellcome speach</b> <i>Prof. Cosmin ALIN POPESCU, PhD, Rector of University of Life Sciences “King Mihai I” from Timisoara</i>
<b>10<sup>40</sup> – 10<sup>50</sup></b>	<b>Conference opening</b> <i>Prof. Isidora RADULOV, Ph.D, Vicerector of Research, Innovation and Technology Transfer of University of Life Sciences “King Mihai I” from Timisoara</i>
<b>10<sup>50</sup> – 11<sup>15</sup></b>	<b>Ec. Emanuel Popa</b> , Executive Director, SC PRONAT SRL TIMISOARA - <i>The link between organic and sustainability</i>
<b>11<sup>15</sup> – 11<sup>30</sup></b>	<b>Nikola ČOBANOVIĆ</b> , Sara ČALOVIĆ, Nevena GRKOVIĆ, Slobodan KNEŽEVIĆ, Marko PAJIĆ - <i>Effects of coccidiosis on the welfare, growth performance, carcass and meat quality of broilers</i>
<b>11<sup>30</sup> – 11<sup>45</sup></b>	<b>Simona Maria ILIE</b> , Carlo Marius DRAGOMIR, Delia Gabriela DUMBRAVĂ, Camelia MOLDOVAN, Diana Nicoleta RABA - <i>Health benefit of ancient wheat-based bakery products compared to modern wheat based ones</i>
<b>11<sup>45</sup> – 12<sup>00</sup></b>	<b>Aisha Adan JALDESA</b> , Afiqah Izzati Binti SUNDUSIN, Diksha MISHRA, Phoymany SOMANY - <i>Sustainability in small-scale and rural farming</i>
<b>12<sup>00</sup> – 13<sup>30</sup></b>	<b>Lunch</b>
<b>13<sup>30</sup> – 13<sup>45</sup></b>	<b>Andreea NEACȘU-NIȚU</b> , Laura-Cătălina GIUREA-DUMITRA, Mihai-Romeo DINICĂ, Dimitrie-Vlad NEAGU, Ștefania Mariana RAIȚA - <i>A review on shelf-life extension of fresh fish with the use of black cummin oil (Nigella sativa L.) and antimicrobial and antibacterial activity of Nigella sativa</i>
<b>13<sup>45</sup> – 14<sup>00</sup></b>	<b>Maria ROȘCA</b> , Alexandra CRISTIAN, Mario CODREANU - <i>Correlative study regarding the anemic status in the hematuric patient</i>
<b>14<sup>00</sup> – 14<sup>15</sup></b>	<b>Andra-Ioana BALAUR</b> , Alexandru Ioan CĂLIN - <i>Innovations in aquaponic systems for sustainable agriculture: a transnational review</i>
<b>14<sup>15</sup> – 14<sup>30</sup></b>	Miruna-Magda MORARIU, Eugen-Cătălin ZOICAN, <b>Andreea CÎRSTEA</b> , Maria-Alexandra FERENCZ, Aryan AHMADI-KHOIE, Florica MORARIU - <i>Phytoremediation of land polluted with non-recyclable plastic</i>
<b>14<sup>30</sup> – 14<sup>45</sup></b>	<b>F. A. HUIBAN</b> , Vasiliki LIARETIDOU, Sorina POPESCU, Aurica BOROZAN - <i>Evaluation of the antibacterial effect of actinomycetes</i>
<b>14<sup>45</sup> – 15<sup>00</sup></b>	<b>Mara JURJE</b> , Francesca POP, Felix ARION - <i>The opportunity to establish a local gastronomic point in Floresti commune, Cluj County</i>
<b>15<sup>00</sup> – 15<sup>30</sup></b>	<b>Coffee break</b>
<b>15<sup>30</sup> – 15<sup>45</sup></b>	<b>Bilal Al BENNI</b> , Veronica SĂRĂȚEANU, <i>A comparison of the agricultural sector in Romania and Turkey</i>
<b>15<sup>45</sup> – 16<sup>00</sup></b>	<b>Sundusin Afiqah Izzati BINTI</b> , Zhou DAI, Adrienn SZARVAS - <i>Developing the potential of microbial agents for sustainable plant disease control: insights from recent research</i>
<b>16<sup>00</sup> – 16<sup>15</sup></b>	<b>Andreea NISTOR</b> , Florin HUIBAN, Cerasela PETOLESCU - <i>Evaluation of somaclonal variability in Lycium Barbarum using RAPD markers</i>

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<b>16<sup>15</sup> – 16<sup>30</sup></b>	<b>Teodora TOADER</b> , Larisa TOADER, Dana-Iuliana NEAȚĂ, Alexandra SCHILLER, Igori BALTA, Marco di STANISLAO, Teodor VINTILĂ - <i>Sizing of a biogas plant in the teaching farm of ULST</i>
<b>16<sup>30</sup> – 16<sup>45</sup></b>	<b>Sergei IAROVIOI</b> , Urwa JAVAID, Orsolya HALMAI, Török Liliana, Zsolt TÖRÖK, <i>Preliminary study on the ecological status of riparian zones of running waters in a Central European urban area (Budapest, Hungary)</i>
<b>16<sup>45</sup> – 17<sup>00</sup></b>	<b>Maia CAPOTESCU</b> , S. CAPOTESCU, Adriana CIULCA, Giancarla VELICEVICI, S. CIULCA - <i>Assessment of variability for fruit characteristics in five apple varieties from an ecological orchard</i>
<b>17<sup>00</sup> – 17<sup>15</sup></b>	<b>Martin GBENDA</b> , G,Salifu FALLALU Rahman Joseph BONNEY, Wang LUYAO - <i>Tourism in Ghana, Sierra Leone and China</i>
<b>17<sup>15</sup> – 17<sup>30</sup></b>	<b>Gabriela CIUBOTARU</b> , Anca Mihaly COZMUTA, Camelia NICULA, Leonard Mihaly COZMUTA, Anca Dumuța, Malgorzata KORZENIOWSKA, Anca PETER - <i>Influence of the marinade and of the thermal treatment on the physical-chemical characteristics of deer meat</i>
<b>17<sup>30</sup> – 17<sup>45</sup></b>	<b>Iulia BENKO</b> , Anca Mihaly COZMUTA, Camelia NICULA, Leonard Mihaly COZMUTA, Goran DRAZIC, Anca PETER - <i>The influence of heat treatment conditions on the water vapor barrier properties of polyvinyl alcohol-based films</i>
<b>17<sup>45</sup> – 18<sup>00</sup></b>	<b>Ivana PANTEA</b> , Alexandru PAHOMI, Daniela DASCĂLU - <i>Determination of water-soluble vitamins from food supplements</i>
<b>18<sup>00</sup> – 19<sup>00</sup></b>	<b>Dinner</b>

**Friday, November 17, 2023**

**University of Life Sciences “King Mihai I” from Timisoara**

<b>10<sup>00</sup> – 12<sup>00</sup></b>	<b>Oportunități de finanțare a proiectelor prin Ministerul Mediului în cadrul Planului Național de Redresare și Reziliență</b>  <b>Speakeri:</b> <b>Ionuț Sorin BANCIU</b> - Secretar de Stat, Ministerul Mediului, Apelor și Pădurilor <b>Alexandru AVRAM</b> – Secretar general, Ministerul Mediului, Apelor și Pădurilor
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# "YOUNG PEOPLE AND MULTIDISCIPLINARY RESEARCH IN APPLIED LIFE SCIENCES"

## Section - "Young people and scientific research in Animal Husbandry and Biotechnology"



## Section "Young people and scientific research in Animal Husbandry and Biotechnology"

### Posters

1.	<p><b>Ahmadi-Khoie Aryan<sup>1</sup>, Bora Marinela<sup>1</sup>, Buhai Roxana-Alexandra-Ancuța<sup>1</sup>, Ilia Patricia<sup>1</sup>, Ioan Peț<sup>1</sup>, Teodor Vintilă<sup>1</sup>, Igori Balta<sup>1*</sup></b> BIOFERTILIZERS: A SUSTAINABLE SHIFT FROM CONVENTIONAL FERTILIZERS -AN OVERVIEW <sup>1</sup> University of Life Sciences "King Mihai I" from Timisoara", Calea Aradului nr.119, Timisoara – 300645, Romania; <sup>2</sup>University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Calea Mănăștur 3–5, Cluj-Napoca-400372, Romania</p>
2.	<p><b>Ana-Maria Căploiu<sup>1</sup>, Igori Balta<sup>1*</sup>, Teodor Vintilă<sup>1</sup>, Tiberiu Iancu<sup>1</sup>, Nicolae Corcionivoschi<sup>3</sup></b> MICROBIAL BIODEGRADATION ALCHEMY OF PLASTICS: AN OVERVIEW OF MECHANISMS, ENZYMATIC PROCESSES, AND ENVIRONMENTAL IMPLICATIONS <sup>1</sup>University of Life Sciences King Mihai I from Timisoara, 300645 Timisoara, Romania <sup>2</sup>University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Calea Mănăștur 3–5, Cluj-Napoca-400372, Romania <sup>3</sup>Bacteriology Branch, Veterinary Sciences Division, Agri-Food and Biosciences Institute, Belfast BT4 3SD, UK</p>
3.	<p><b>Mara-Georgiana Haralambie<sup>1†</sup>, Alina Țărnă<sup>1†</sup>, Aurelia Coroian<sup>1</sup>, Ana-Maria-Cristina Imbrea<sup>2</sup>, Igori Balta<sup>2*</sup>, Lavinia Ștef<sup>2</sup>, Nicolae Corcionivoschi<sup>3</sup></b> A SHORT OVERVIEW OF <i>CLOSTRIDIUM PERFRINGENS</i>: RELEVANCY, TOXINOTYPES, CLINICAL IMPACTS, AND THE CHALLENGES OF BIOFILM FORMATION <sup>1</sup>University of Agricultural Sciences and Veterinary Medicine, 400372 Cluj-Napoca, Romania <sup>2</sup>University of Life Sciences King Mihai I from Timisoara, 300645 Timisoara, Romania <sup>3</sup> Bacteriology Branch, Veterinary Sciences Division, Agri-Food and Biosciences Institute, Belfast BT4 3SD, UK</p>
4.	<p><b>Diana Larisa Roman<sup>1,2</sup>, Mariana Adina Matica<sup>3</sup>, Alecu Ciorsac<sup>4</sup>, Bianca Vanesa Boros<sup>1,2</sup>, Adriana Isvoran<sup>1,2*</sup></b> MOLECULAR DOCKING STUDY ON THE INTERACTIONS OF MYCLOBUTANIL ENANTIOMERES WITH ENZYMES BELONGING TO SOIL MICROORGANISMS <sup>1</sup>Biology-Chemistry Department, Faculty of Chemistry, Biology, Geography, West University of Timisoara, Str. Pestalozzi 16A, Timisoara, Timis, 300115, Romania <sup>2</sup>Advanced Environmental Research Laboratories, West University of Timisoara, Oituz 4, Timisoara, Timiș, 300086, Romania <sup>3</sup>Department of Chemistry-Biology, Institute for Advanced Environmental Research, West University of Timisoara, Oituz 4C, Timisoara, Timiș, 300086, Romania <sup>4</sup>Department of Physical Education and Sport, University Politehnica Timis, oara, 300006 Timisoara, Romania</p>

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<b>5.</b>	<p><b>Alexandra-Ioana Năstasie<sup>1</sup>, Diana-Larisa Roman<sup>1,2</sup>, Mariana-Adina Matica<sup>3*</sup></b> PRELIMINARY INVESTIGATIONS REGARDING THE RELEASE OF ANTIMICROBIAL PEPTIDES FROM CHITOSAN-BASED FILMS</p> <p><sup>1</sup> Department of Biology-Chemistry, Faculty of Chemistry, Biology, Geography, West University of Timisoara, 16 Pestalozzi, 300115 Timisoara, Timiș, Romania <sup>2</sup>Advanced Environmental Research Laboratories, West University of Timisoara, 4A Oituz, 300086, Timisoara, Timiș, Romania; <sup>3</sup> Department of Chemistry-Biology, Institute for Advanced Environmental Research, West University of Timisoara, 4C Oituz, 300086, Timisoara, Timiș, Romania</p>
<b>6.</b>	<p><b>Dragoș Florin Manea<sup>1</sup>, Vasile Maciuc<sup>2</sup>, Iulian Olariu<sup>2</sup>, Călin Ionel Dăian<sup>2</sup>, Paul Marian Vitișan<sup>2</sup>, Florin Cătălin Iftene<sup>2</sup></b> STUDY ON THE TECHNIQUES USED IN THE SELCTION OF ABERDEEN ANGUS BREEDING BULLS AT NATIONAL LEVEL</p> <p><sup>1</sup>University of Life Sciences “Ion Ionescu de la Brad” of Iași, Mihail Sadoveanu Alley no. 3, 700490, Iași, Romania <sup>2</sup>Faculty of Food and Animal Sciences, Mihail Sadoveanu Alley no. 3, 700490, Iași, Romania</p>
<b>7.</b>	<p><b>Alexandru Nan<sup>1</sup>, Marioara Nicoleta Carabă<sup>2</sup>, Valeriu Carabă<sup>2</sup>, Gabi Dumitrescu<sup>1</sup>, Liliana Petculescu Ciochină<sup>1*</sup></b> INFLUENCE OF MASTITIS ON MILK QUALITY AND PRODUCTION IN CATTLE: A REVIEW</p> <p><sup>1</sup>University of Life Sciences “King Michael I” from Timișoara, Faculty of Bioengineering of Animal Resources, 300645, Timișoara, România <sup>2</sup>Faculty of Chemistry, Biology, Geography, West University of Timișoara, 300115 Timișoara, Romania</p>
<b>8.</b>	<p><b>Scripcariu Vlad, Moț Daniela*</b> RISKS OF TRANSMISSION OF INFECTION WITH SPECIES OF THE GENUS TRICHOPHYTON FROM ANIMALS TO HUMANS</p> <p>University of Life Sciences “King Mihai I” , Faculty of Bioengineering of Animal Resources, 300645 Timișoara, 119 Aradului Way, Romania</p>
<b>9.</b>	<p><b>Ligia-Elena Berzava, Alin-Daniel Bucur (Prisecaru), Mircea-Nicolae Rațiu, Silvia Elena Erina, Ludovic Toma Cziszter*</b> STUDY ON MILK PRODUCTION AND REPRODUCTION OF ROMANIAN SPOTTED COWS ACCORDING TO FARM SIZE AND OWNERSHIP</p> <p>University of Life Sciences “King Michael I” from Timișoara, Faculty of Bioengineering of Animal Resources, 300645, Timișoara, România</p>
<b>10.</b>	<p><b>Alin-Daniel Bucur (Prisecaru), Ligia-Elena Berzava, Petru-Sergiu-Florin Mîrnea, Silvia Elena Erina, Ludovic Toma Cziszter*</b> STUDY ON MILK PRODUCTION OF ROMANIAN SPOTTED COWS FROM HUNEDOARA COUNTY ACCORDING TO FARM OWNERSHIP</p> <p>University of Life Sciences “King Michael I” from Timișoara, Faculty of Bioengineering of Animal Resources, 300645, Timișoara, România</p>
<b>11.</b>	<p><b>Andrei-Raffaell Ciovcicu-Negru, Corneliu-Constantin Navlea, Miroslav-Ștefan Racsak, Silvia Elena Erina, Ludovic Toma Cziszter*</b> STUDY ON MILK PRODUCTION OF ROMANIAN SPOTTED COWS ACCORDING TO THE SECTION OF THE HERD BOOK</p> <p>University of Life Sciences “King Michael I” from Timișoara, Faculty of Bioengineering of Animal Resources, 300645, Timișoara, România</p>
<b>12.</b>	<p><b>Corneliu-Constantin Navlea, Miroslav-Ștefan Racsak, Andrei-Raffaell Ciovcicu-Negru, Silvia Elena Erina, Ludovic Toma Cziszter*</b> STUDY ON GROWTH PERFORMANCE OF ABERDEEN ANGUS CALVES IN FARM IN GORJ COUNTY</p> <p>University of Life Sciences “King Michael I” from Timișoara, Faculty of Bioengineering of Animal Resources, 300645, Timișoara, România</p>
<b>13.</b>	<p><b>Miroslav-Ștefan Racsak, Andrei-Raffaell Ciovcicu-Negru, Corneliu-Constantin Navlea, Silvia Elena Erina, Ludovic Toma Cziszter*</b> STUDY ON MILK AND REPRODUCTION PERFORMANCE IN ROMANIAN SPOTTED COWS ACCORDING TO FARM SIZE AND COUNTY</p> <p>University of Life Sciences “King Michael I” from Timișoara, Faculty of Bioengineering of Animal</p>

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	<i>Resurces, 300645, Timișoara, România</i>
<b>14.</b>	<b>Boros Bianca-Vanesa, Roman Diana-Larisa, Isvoran Adriana</b> THE EFFECTS OF TRIAZOLE FUNGICIDES ON COMMON DUCKWEED ENZYMES. A MOLECULAR DOCKING APPROACH <i>Department of Biology-Chemistry, Faculty of Chemistry, Biology, Geography and Advanced Environmental Research Laboratories, West University of Timisoara, 16 Pestalozzi, 300315 / 4 Oituz, 300086, Timisoara, Romania</i>
<b>15.</b>	<b>Ioan Marius Jurca, Sandra Maria Negoita, Maria Vilcu, Mirela Ahmadi*</b> LANOLIN - A VALUABLE NATURAL PRODUCT OBTAINED FROM SHEEP WOOL <i><sup>1</sup>University of Life Sciences “King Mihai I” from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, nr.119, Timisoara - 300645</i>
<b>16.</b>	<b>Marko Zorica<sup>1*</sup>, Marija Špoljarević<sup>2*</sup>, Ioana-Iulia Miutel<sup>3</sup>, Diana-Cristina Casandrei<sup>3</sup>, Oana-Bianca Umbres<sup>3</sup>, Mirela Ahmadi<sup>3</sup></b> EXPERIMENTAL DESIGN FOR EVALUATION OF PHYSIOLOGICAL ACTIVE SUBSTANCES ADMINISTRATION ON THE CHERRIES FRUIT QUALITY <i><sup>1</sup>Department of Ecology, Agronomy and Aquaculture, University of Zadar, Square of Prince Višeslav 9, HR-23000 Zadar, Croatia; <sup>2</sup>Josip Juraj Strossmayer University of Osijek, Faculty of Agrobiotechnical Sciences Osijek, Vladimira Preloga 1, HR-31000, Osijek, Croatia; <sup>3</sup>University of Life Sciences “King Mihai I” from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, nr.119, Timisoara - 300645</i>
<b>17.</b>	<b>Vanesa Dariana Ujica, Magdalena Renata Barbura, Mirela Ahmadi*</b> IS STEROIDS ADMINISTRATION BENEFICIAL FOR HORSES? <i><sup>1</sup>University of Life Sciences “King Mihai I” from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, nr.119, Timisoara - 300645</i>
<b>18.</b>	<b>Phuong Y Nhu Doan<sup>1</sup>, Jiale Wang<sup>1</sup>, Phoymany Somany<sup>1</sup>, Aisha Adan Jaldesa<sup>1</sup>, Adrienn Szarvas<sup>2</sup></b> AN IDENTIFICATION OF METASTASIS REGULATORS IN CHICKEN ( <i>GALLUS GALLUS</i> ) SARCOMA CELL LINES USING TRANSCRIPTOMICS DATA <i><sup>1</sup> Faculty of Agriculture, University of Szeged, Hungary; <sup>2</sup> Institute of Plant Sciences and Environmental Protection, Faculty of Agriculture, University of Szeged, Hungary</i>
<b>19.</b>	<b>Timea-Melinda Kelemen<sup>1</sup>, Gheorghita Menghiu<sup>1,2</sup>, Mariana-Adina Matica<sup>3*</sup></b> PRELIMINARY INVESTIGATIONS REGARDING THE ANTIBIOFILM EFFECT OF CHITOSAN-BASED BIOMATERIALS <i><sup>1</sup> Department of Biology-Chemistry, Faculty of Chemistry, Biology, Geography, West University of Timisoara, 16 Pestalozzi, 300115 Timisoara, Timiș, Romania <sup>2</sup>Advanced Environmental Research Laboratories, West University of Timisoara, 4A Oituz, 300086, Timisoara, Timiș, Romania <sup>3</sup>Department of Chemistry-Biology, Institute for Advanced Environmental Research, West University of Timisoara, 4C Oituz, 300086, Timisoara, Timiș, Romania</i>
<b>20.</b>	<b>Judele Patricia<sup>1</sup>, Jurcoviçi Alexia<sup>1</sup>, Adrian Sinitean<sup>1*</sup>, Adina Mariana Matica<sup>1</sup>, Marioara Nicoleta Carabă<sup>1</sup></b> THE EFFECT OF MDA6 HERBICIDE ON SOIL MICROBIOTA <i><sup>1</sup>Faculty of Chemistry, Biology, Geography, West University of Timisoara, Pestalozzi, 16, Timisoara, 300115, Romania</i>
<b>21.</b>	<b>Radici Maria<sup>1</sup>, Iulia Adam<sup>1</sup>, Adina Mariana Matica<sup>1</sup>, Diana Larisa Roman<sup>1</sup>, Marioara Nicoleta Carabă<sup>1*</sup></b> ANALYSIS OF THE EFFECT OF THE HERBICIDE MDA6 ON THE SOIL MICROORGANISM COMMUNITY <i><sup>1</sup>Faculty of Chemistry, Biology, Geography, West University of Timisoara, Pestalozzi, 16, Timisoara, 300115, Romania</i>
<b>22.</b>	<b>Irina Borca<sup>1</sup>, Ariana Catana<sup>1</sup>, Adrian Sinitean<sup>1*</sup>, Adina Mariana Matica<sup>1</sup>, Marioara Nicoleta Carabă<sup>1</sup></b> ASSESSMENT OF THE EFFECT OF FLUROXIPIR ON THE MICROBIAL ACTIVITY OF THE SOIL <i><sup>1</sup>Faculty of Chemistry, Biology, Geography, West University of Timisoara, Pestalozzi, 16, Timisoara,</i>

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	300115, Romania
23.	<b>Mariana Cristina Arcade<sup>1</sup>, Mioara Costache<sup>1*</sup>, Marinela Gancea<sup>1</sup>, Carmen Georgeta Nicolae<sup>2</sup>, Sorin Marian Drăguț<sup>1</sup></b> INCREASING THE NATURAL PRODUCTIVITY OF FISH PONDS BY APPLYING THE IMTA CONCEPT FOR EFFICIENT USE OF NATURAL RESOURCES <i><sup>1</sup>Fish Culture Research and Development Station of Nucet, 549 Principala Street, 137335, Nucet, Dambovita County, Romania</i> <i><sup>2</sup>University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Marasti Blvd, District 1, Bucharest, Romania</i>
24.	<b>Oprișiu Maria Georgiana<sup>1</sup>, Ciule Ionela Francesca<sup>1</sup>, Ion Valeriu Carabă<sup>1*</sup>, Sorin Octavian Voia<sup>1</sup>, Doru Dronca<sup>1</sup>, Marioara Nicoleta Carabă<sup>1</sup></b> COMPARATIVE BIOMETRICAL AND FOLLICULAR STUDY IN PIG OVARY <i><sup>1</sup>Faculty of Bioengineering of Animal Resources, University of Life Sciences “King Mihai I” from Timisoara, Calea Aradului, 119, Timisoara, 300645, Romania; <sup>2</sup>Faculty of Chemistry, Biology, Geography, West University of Timisoara, Pestalozzi, 16, Timisoara, 300115, Romania</i>
25.	<b>Tanja Bijelić<sup>1</sup>, Aleksandra Tasić<sup>1</sup>, Ivan Pavlović<sup>1</sup>, Branislav Baltić<sup>2</sup></b> RELATIONSHIPS OF THE NUTRITIONAL VALUE AND FATTY ACID CONTENT IN SERBIAN PORK SAUSAGES <i><sup>1</sup>Scientific Institute of Veterinary Medicine of Serbia, 11107, Janisa Janulisa, 14, Belgrade, Serbia</i> <i><sup>2</sup>Institute of Meat Hygiene and Technology, Kačanskog 9, 11000 Belgrade, Serbia</i>
26.	<b>Alexandru-Gabriel Vartic<sup>1,2</sup>, Oana-Corina Dordescu<sup>1,2</sup>, Petru-Gabriel Vicovan<sup>1</sup>, Ioan Pădeanu<sup>3</sup>, Constantin Pascal<sup>2</sup></b> COMPARATIVE STUDY ON MORPHOPRODUCTIVE MEAT PERFORMANCES IN BUCKLING GOAT HYBRIDS BETWEEN THE BOER AND CARPATINA BREEDS <i><sup>1</sup>Research and Development Institute for Sheep and Goat Breeding Palas, Constanta, 900316, I. C. Bratianu Blvd 248, Romania.</i> <i><sup>2</sup>Ion Ionescu from Brad University of Life Sciences, Iasi, 700490, Mihail Sadoveanu Alley 8, Romania.</i> <i><sup>3</sup> University of Life Sciences “Regele Mihai I”, din Timisoara, 300645, Calea Aradului 119, Romania</i>
27.	<b>Oana-Corina Dordescu<sup>1,2</sup>, Alexandru-Gabriel Vartic<sup>1,2</sup>, Petru-Gabriel Vicovan<sup>1</sup>, Ioan Padeanu<sup>3</sup>, Steofil Creanga<sup>2</sup></b> RESEARCH OF THE MORPHOPRODUCTIVE AND REPRODUCTIVE PERFORMANCES OF PALAS MILK BREED <i><sup>1</sup> R.D.I.S.G.B. Palas Constanta, 900316, Constanta, I. C. Bratianu Blvd. 248, Romania</i> <i><sup>2</sup>“Ion Ionescu from Brad” University of Life Sciences, Iasi, 700490, Mihail Sadoveanu Alley 8, Romania</i> <i><sup>3</sup> University of Life Sciences “King Mihai I”, from Timisoara, 300645, Calea Aradului 119, Romania</i>
28.	<b>Andrijana Pujicic, Adriana Isvoran</b> IDENTIFICATION AND CHARACTERIZATION OF THE CHEMICAL COMPOUNDS RESPONSIBLE OF THE BIOLOGICAL ACTIONS OF <i>ARTEMISIA VULGARIS</i> AND <i>ARTEMISIA DRACUNCULUS</i> <i>Department of Biology-Chemistry, West University of Timisoara, 16 Pestalozzi, 300115 Timisoara</i>
28.	<b>Daria Băndula, Viorica Coșier</b> MOLECULAR DIAGNOSIS OF C.619C>T MUTATION IN THE CLN5 GENE IN <i>CANIS LUPUS FAMILIARIS</i> <i>University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Calea Mănăstur 3-5, 400372</i>
30.	<b>Mircea Nicolae Rațiu, Petru Sergiu Mîrnea, Ligia Berzava, Ludovic Toma Csiszter, Silvia Erina</b> THE DYNAMICS OF COW POPULATION BREEDS REARED IN FĂGET MICROREGION, TIMIȘ COUNTY, BETWEEN THE YEARS, 2008-2023 <i>Faculty of Bioengineering of Animal Resources, Timișoara, 300645-Timișoara, C. Aradului 119, România</i>
31.	<b>Petru Sergiu Mîrnea, Mircea Nicolae Rațiu, Alin Bucur Prisecaru, Ludovic Toma Csiszter, Silvia Erina</b> PARITY AS A FACTOR INFLUENCING THE AVERAGE PERCENTAGE OF FAT AND PROTEIN IN BUFFALO MILK <i>Faculty of Bioengineering of Animal Resources, Timișoara, 300645-Timișoara, C. Aradului 119, România</i>
32.	<b>Magdalena Roșu, Monica Dragomirescu</b>

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<b>33.</b>	<b>Mariana-Adina Matica<sup>1*</sup>, Diana-Larisa Roman<sup>2,3</sup></b> ASSESSMENT OF THE EFFECTS OF CHITOSAN-BASED BIODEGRADABLE FILMS ON THE ACTIVITY OF SOME SOIL ENZYMES AND ON THE SOIL MICROBIAL COMMUNITY <sup>1</sup> <i>Department of Chemistry-Biology, Institute for Advanced Environmental Research, West University of Timisoara, 4C Oituz, 300086, Timisoara, Timiș, Romania</i> <sup>2</sup> <i>Department of Biology-Chemistry, Faculty of Chemistry, Biology, Geography, West University of Timisoara, 16 Pestalozzi, 300115 Timisoara, Timiș, Romania</i> <sup>3</sup> <i>Advanced Environmental Research Laboratories, West University of Timisoara, 4A Oituz, 300086, Timisoara, Timiș, Romania</i>
<b>34.</b>	<b>Marian Adrian Budean, Deborah Gabriela Chilian, Andreea Mihaela Goiceanu, Dorel Dronca, Mirela Ahmadi*</b> IMPACT OF ARTIFICIAL INSEMINATION BIOTECHNOLOGY IN CATTLE BREEDING <sup>1</sup> <i>University of Life Sciences “King Mihai I” from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, nr.119, Timisoara – 300645</i>
<b>35.</b>	<b>Iasmina Mura, Ioana Maria Hoza, Andrada Tulea, Mirela Ahmadi*</b> NATURAL EGG YOLK PIGMENTATION – A SOLUTION FOR NUTRITIONAL VALUE AND CONSUMERS PREFERENCES <sup>1</sup> <i>University of Life Sciences “King Mihai I” from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, nr.119, Timisoara – 300645</i>
<b>36.</b>	<b>Anamaria Constanta Cinca, Cristina Oltean, Timeea Szakal, Timeea Olasz, Mirela Ahmadi*</b> THE CRITICAL ROLE OF NANO-BIOTECHNOLOGY IN CARDIOVASCULAR DISEASE MANAGEMENT <sup>1</sup> <i>University of Life Sciences “King Mihai I” from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, nr.119, Timisoara – 300645</i>
<b>37</b>	<b>Larisa Toader<sup>1</sup>, Ana-Maria-Cristina Imbrea<sup>1</sup>, Lavinia Ștef<sup>1</sup>, Dorel Dronca<sup>1</sup>, Aurelia Coroian<sup>2</sup>, Igori Balta<sup>1*</sup></b> FROM AROMA TO AGRICULTURE: ESSENTIAL OILS AS GAME CHANGERS IN POULTRY INDUSTRY <sup>1</sup> <i>University of Life Sciences “King Mihai I” from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, nr.119, Timisoara – 300645</i> <sup>2</sup> <i>University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Calea Mănăștur 3–5, Cluj-Napoca-400372, Romania</i>
<b>38.</b>	<b>Razvan Valentin Strungaru, Mirela Ahmadi*</b> THE KEY ROLE OF LUCIFERASE IN FUNGAL BIOLUMINESCENCE <sup>1</sup> <i>University of Life Sciences “King Mihai I” from Timisoara, Faculty of Bioengineering of Animal Resources, Calea Aradului, nr.119, Timisoara – 300645</i>
<b>39.</b>	<b>Claudia Pânzaru<sup>1</sup>, Marius Gheorghe Doliș<sup>1</sup>, Răzvan Mihail Radu-Rusu<sup>1</sup>, Mădălina Alexandra Davidescu<sup>1*</sup></b> BLOOD SUGAR AND PROTEIN LEVELS IN THE MILK OF DAIRY CATTLE BASED ON THEIR PHYSIOLOGICAL STATE <sup>1</sup> <i>Faculty of Food and Animal Sciences, Iasi University of Life Sciences, Romania</i>
<b>40.</b>	<b>Constantina Bianca Vulpe<sup>1</sup>, Mariana Adina Matica<sup>1,2</sup>, Renata Kovacevic<sup>3</sup>, Daniela Dascalu<sup>1</sup>, Zoran Stevanovic<sup>3</sup>, Adriana Isvoran<sup>1</sup>, Vasile Ostafe<sup>1</sup> And Gheorghita Menghiu<sup>1</sup></b> BIOREMEDIATION OF HEAVY METAL-POLLUTED WATERS BY ASSESSING THE EFFICIENCY OF ACUMULATION OF COPPER IN SELECTIVE STRAINS OF RECOMBINANT MICROORGANISMS <sup>1.</sup> <i>Advanced Environmental Research Laboratories, Department of Biology–Chemistry, West University of Timisoara, Oituz 4A, 300086 Timisoara, Romania;</i> <sup>2.</sup> <i>Institute for Advanced Environmental Research, Department of Biology–Chemistry, West University of Timisoara, Oituz 4C, 300086 Timisoara, Romania</i> <sup>3.</sup> <i>Mining and Metallurgy Institute, Zeleni Bulevar 35, 19210 Bor, Serbia;</i>
<b>41.</b>	<b>Ariton Adina-Mirela<sup>1*</sup>, Neculai-Văleanu Andra-Sabina<sup>1</sup>, Poroșnicu Ioana<sup>1</sup>, Elena Ungureanu<sup>2</sup></b>



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	A2 MILK - ADVANTAGES AND CHALLENGES IN THE MANUFACTURING OF DAIRY PRODUCTS <sup>1</sup> <i>Research and Development Station for Cattle Breeding Dancu, Iași, Romania</i> <sup>2</sup> <i>Ion Ionescu de la Brad” Iași University of Life Sciences, Romania</i>
42.	<b>Ariton Adina-Mirela<sup>1*</sup>, Neculai-Văleanu Andra-Sabina<sup>1</sup>, Poroșnicu Ioana<sup>1</sup>, Lucia-Carmen Trincă<sup>2</sup></b> THE RELATIONSHIP BETWEEN THE NUMBER OF SOMATIC CELLS AND THE CASEIN CONTENT OF COW'S MILK <sup>1</sup> <i>Research and Development Station for Cattle Breeding Dancu, Iași, Romania</i> <sup>2</sup> <i>Ion Ionescu de la Brad” Iași University of Life Sciences, Romania</i>
43.	<b>Cătălina Sănduleanu<sup>1,2*</sup>, Andra-Sabina Neculai-Văleanu<sup>1</sup>, Ioana Poroșnicu<sup>1</sup>, Ioana Cristina Crivei<sup>2</sup>, Vasile Maciuc<sup>2</sup></b> NEW PERSPECTIVES ON BODY CONDITION SCORING USED AS A TOOL IN DAIRY CATTLE MANAGEMENT <sup>1</sup> <i>Research and Development Center for Cattle Breeding, Dancu, Iași, Romania</i> <sup>2</sup> <i>University of Life Sciences” Ion Ionescu de la Brad”, Iași, Romania</i>
44.	<b>Cătălina Sănduleanu<sup>1,2*</sup>, Aida Albu<sup>1</sup>, Roxana Nicoleta Ratu<sup>1</sup>, Andra-Sabina Neculai-Văleanu<sup>2</sup>, Vasile Maciuc<sup>1</sup></b> PRECISION LIVESTOCK FARMING – USING DAIRY MANAGEMENT INFORMATION SYSTEM AFIMILK IN DAIRY FARMS <sup>1</sup> <i>Research and Development Center for Cattle Breeding, Dancu, Iași, Romania</i> <sup>2</sup> <i>University of Life Sciences” Ion Ionescu de la Brad”, Iași, Romania</i>
45.	<b>Petruța Gherescu, Lavinia Ștef, Gabi Dumitrescu, Silvia Pătruică, Dacian Lalescu, Larisa Toader, Adrian Grozea</b> EFFECTS OF CORIANDER ( <i>CORIANDRUM SATIVUM</i> ) ON THE CHEMICAL COMPOSITION OF THE MUSCLE IN BROOK TROUT ( <i>SALVELINUS FONTINALIS</i> ) <i>University of Life Sciences „King Mihai I” from Timișoara, Address – 300645, Timișoara, 119 Calea Aradului, Romania</i>
46.	<b>Teodora Toader<sup>1</sup>, Larisa Toader<sup>1</sup>, Dana-Iuliana Neață<sup>1</sup>, Alexandra Schiller<sup>1</sup>, Igori Balta<sup>1</sup>, Marco di Stanislao<sup>2</sup>, Teodor Vintilă<sup>1*</sup></b> SIZING OF A BIOGAS PLANT IN THE TEACHING FARM OF ULST <sup>1</sup> <i>University of Life Science “King Mihai I”, Timisoara, 300645, Romania.</i> <sup>2</sup> <i>Strata SpA Roma Italia, Sucursala Timișoara, Romania</i>
47.	<b>Todea Neli Georgeta<sup>1</sup>, Cioranu Ion<sup>1</sup>, Csiszter Ludovic<sup>1</sup>, Claire Morgan-Davies<sup>2</sup>, Voia Octavian Sorin<sup>*</sup></b> EVALUATION OF THE GENETIC COMPATIBILITY BETWEEN THE BLACK-HEADED GERMAN AND THE TURCANĂ BREED <sup>1</sup> <i>University of Life Sciences “King Mihai I” from Timișoara, Faculty of Animal Resources Bioengineering, 300645, Timisoara, Calea Aradului 119, RO</i> <sup>2</sup> <i>Scotland’s Rural College: Edinburgh, Edinburgh, GB</i>
48.	<b>Ioana Poroșnicu<sup>1,2</sup>, Luminița-Iuliana Ailincăi<sup>1</sup>, Andra-Sabina Neculai-Văleanu<sup>2</sup>, Adina-Mirela Ariton<sup>2</sup>, Mihai Mareș<sup>1</sup></b> EFFECTS OF MYCOTOXINS ON THE HEALTH STATUS OF DAIRY CATTLE <sup>1</sup> <i>Iasi University of Life Sciences, 700490, Mihail Sadoveanu Alley, no.3, Romania</i> <sup>2</sup> <i>Research and Development Station for Cattle Breeding, 707252, Iasi-Ungheni no.9, Dancu, Iasi</i>
49.	<b>Ioana Poroșnicu<sup>1,2</sup>, Bianca-Maria Mădescu<sup>1</sup>, Mădălina-Alexandra Davidescu<sup>1</sup>, Andra-Sabina Neculai-Văleanu<sup>2</sup>, Adina-Mirela Ariton<sup>2</sup></b> A BRIEF STATISTICAL ANALYSIS REGARDING THE FAT CONTENT OF MILK OBTAINED FROM THE HOLSTEIN AND SIMMENTAL BREEDS <sup>1</sup> <i>Iasi University of Life Sciences, 700490, Mihail Sadoveanu Alley, no.3, Romania</i> <sup>2</sup> <i>Research And Development Station For Cattle Breeding, 707252, Iasi-Ungheni No.9, Dancu, Iasi</i>
50.	<b>Cristina-Camelia Matache<sup>1,2</sup>, Tatiana Dumitra Panaite<sup>1</sup>, Gabriela Maria Cornescu<sup>1</sup>, Dumitru Drăgotoiu<sup>2</sup></b> INFLUENCE OF NATURAL PIGMENTS ON EGG QUALITY AND YOLK COLOUR INTENSITY -A REVIEW

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<b>51.</b>	<p><b>Isabella Ionela Sanda<sup>1</sup>, Tania Vlad<sup>1</sup>, Ion Valeriu Caraba<sup>2*</sup>, Marioara Nicoleta Caraba<sup>1,3</sup>, Gabi Dumitrescu<sup>1,2</sup>, Roxana Popescu<sup>1</sup></b></p> <p><b>IN VITRO ANTI PROLIFERATIVE EFFECTS OF OCIMUM BASILICUM</b></p> <p><sup>1</sup>ANAPATMOL Research Center Victor Babes University of Medicine and Pharmacy, 2 Eftimie Murgu street – 300041, Timisoara, Romania</p> <p><sup>2</sup> University of Life Sciences “King Mihai I” from Timisoara, 119 Calea Aradului street, Timisoara - 300645, Romania</p> <p><sup>3</sup>West University Timisoara, 16A Pestalozzi street, Timisoara – 300115, Romania</p>
<b>52.</b>	<p><b>Adrian-Dan Rășinar<sup>1</sup>, Moraru Dragoș<sup>1</sup>, Adrian Grozea<sup>1</sup>, Marius Boldea<sup>1</sup>, Silvia Pătruică<sup>1*</sup></b></p> <p><b>USE SUPPLEMENTARY FEEDINGS ON BEE COLONY DEVELOPMENT AND VENOM PRODUCTION</b></p> <p><sup>1</sup>University of Life Sciences “King Mihai I” from Timișoara, Faculty of Bioengineering of Animal Resources, Calea Aradului no.119</p>
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