

**Multidisciplinary Conference on Sustainable Development**  
**Section: Food Chemistry, Engineering & Technology**

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**University of Life Sciences "King Mihai I" from Timișoara**  
**Multidisciplinary Conference on Sustainable Development**

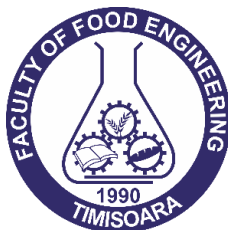
**25-26 May 2023**



## ***Scientific Programme***

### ***Multidisciplinary Conference on Sustainable Development, 25-26 May 2023***

***Section: Food Chemistry, Engineering & Technology***



***Faculty of Food Engineering***

***Timișoara, 2023***



**Academy of Agricultural and Forestry Sciences "Gheorghe Ionescu-Șișești" Timișoara Branch**



**Romanian Association of Food Industry Specialists Timișoara Branch**



**Romanian Chemistry Society Timișoara Branch**

**Multidisciplinary Conference on Sustainable Development**  
**Section: Food Chemistry, Engineering & Technology**

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**USVT is inviting you to a scheduled Zoom meeting.**

Topic: "Food Chemistry, Engineering & Technology", Multidisciplinary Conference on Sustainable Development

**Time: Friday May 26, 2023 10:00 AM Bucharest**

Join Zoom Meeting

<https://us02web.zoom.us/j/84196561109?pwd=K2p5UGVkdGVlUHVreHBhOGtHWE91dz09>

Meeting ID: 841 9656 1109

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One tap mobile

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+1 646 558 8656 US (New York)

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+1 669 900 9128 US (San Jose)

+1 689 278 1000 US

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# **General Conferences Programme**

**25 May 2023 (Thursday)**

<b>11<sup>00</sup>-12<sup>00</sup></b>	<b>Registration</b>	
12 <sup>00</sup> – 12 <sup>15</sup>	Opening of the Conference	
12 <sup>15</sup> – 12 <sup>35</sup>	Plenary Lecture PL <sub>1</sub>	
12 <sup>35</sup> – 12 <sup>55</sup>	Plenary Lecture PL <sub>2</sub>	
12 <sup>55</sup> – 13 <sup>15</sup>	Plenary Lecture PL <sub>3</sub>	
13 <sup>15</sup> – 13 <sup>30</sup>	Plenary Lecture IL <sub>1</sub>	
13 <sup>30</sup> – 13 <sup>45</sup>	Plenary Lecture IL <sub>2</sub>	
13 <sup>45</sup> – 14 <sup>00</sup>	Plenary Lecture IL <sub>3</sub>	
14 <sup>00</sup> – 14 <sup>15</sup>	Plenary Lecture IL <sub>4</sub>	
14 <sup>15</sup> – 14 <sup>30</sup>	Plenary Lecture IL <sub>5</sub>	
14 <sup>30</sup> – 14 <sup>45</sup>	Plenary Lecture IL <sub>6</sub>	
<b>14<sup>45</sup> – 15<sup>30</sup></b>	<b>Lunch&amp;Coffee break</b>	
		<i>Iulius Congress Hall Ansamblul Iulius Mall, Street. Aristide Demetriade no. 1, Timișoara, Romania</i>
15 <sup>30</sup> – 15 <sup>45</sup>	Oral Communications OC <sub>1</sub>	
15 <sup>45</sup> – 16 <sup>00</sup>	Oral Communications OC <sub>2</sub>	
16 <sup>00</sup> – 16 <sup>15</sup>	Oral Communications OC <sub>3</sub>	
16 <sup>15</sup> – 16 <sup>30</sup>	Oral Communications OC <sub>4</sub>	
16 <sup>30</sup> – 16 <sup>45</sup>	Oral Communications OC <sub>5</sub>	
16 <sup>45</sup> – 17 <sup>00</sup>	Oral Communications OC <sub>6</sub>	
17 <sup>00</sup> – 17 <sup>15</sup>	Oral Communications OC <sub>7</sub>	
17 <sup>15</sup> – 17 <sup>30</sup>	Oral Communications OC <sub>8</sub>	
17 <sup>30</sup> – 17 <sup>45</sup>	Oral Communications OC <sub>9</sub>	
		<i>Iulius Congress Hall Ansamblul Iulius Mall, Street. Aristide Demetriade no. 1, Timișoara, Romania</i>
19 <sup>30</sup> – 22 <sup>00</sup>	<b>Conference Dinner</b>	
		<i>“COMPLEX FLONTA” Restaurant Trandafirului 200, Giroc, Timiș county, RO (18<sup>00</sup>-18<sup>30</sup> - Bus transport at the parking place of the Iulius Mall - Iulius Congress Hall)</i>

**Multidisciplinary Conference on Sustainable Development**  
**Section: Food Chemistry, Engineering & Technology**

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**26 May 2023 (Friday)**

**Section: Food Chemistry, Engineering & Technology**

10 <sup>00</sup> – 10 <sup>10</sup>	Opening of the Conference (Section: <i>Food Chemistry, Engineering &amp; Technology</i> )
10 <sup>10</sup> – 10 <sup>45</sup>	Plenary Lecture PL <sub>4</sub>
10 <sup>45</sup> – 11 <sup>00</sup>	Oral Communications OC <sub>10</sub>
11 <sup>00</sup> – 11 <sup>15</sup>	Oral Communications OC <sub>11</sub>
11 <sup>15</sup> – 11 <sup>30</sup>	Oral Communications OC <sub>12</sub>
11 <sup>30</sup> – 11 <sup>45</sup>	Oral Communications OC <sub>13</sub>
11 <sup>45</sup> – 12 <sup>00</sup>	Oral Communications OC <sub>14</sub>
12 <sup>00</sup> – 13 <sup>00</sup>	Poster presentation
13 <sup>00</sup> – 13 <sup>15</sup>	Concluding Remarks

*Senate Hall*  
*University of Life Sciences “King Mihai I” from Timișoara*  
*Calea Aradului, No. 119, Timișoara, RO*

**Multidisciplinary Conference on Sustainable Development**  
**Section: Food Chemistry, Engineering & Technology**

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**Scientific Programme**

**1<sup>st</sup> Day – 25<sup>th</sup> of May, 2023 (Thursday)**

*Iulius Congress Hall*  
*Ansablul Iulius Mall, Street. Aristide Demetriade*  
*no. 1, Timișoara, Romania*

11 <sup>00</sup> – 12 <sup>00</sup>	<b>Registration at the Iulius Congress Hall</b>
12 <sup>00</sup> – 12 <sup>10</sup>	Welcome speech <b>Cosmin Alin Popescu</b> , Rector of the University of Life Sciences “King Mihai I” from Timișoara
12 <sup>10</sup> – 12 <sup>15</sup>	Conference opening <b>Isidora Radulov</b> , Vicerector of the University of Life Sciences “King Mihai I” from Timișoara
12 <sup>15</sup> – 12 <sup>35</sup>	<b>PL1: Piotr Prus</b> , The role of universities in education for sustainable agriculture, Bydgoszcz University of Science and Technology, Faculty of Agriculture and Biotechnology, Poland
12 <sup>35</sup> – 12 <sup>55</sup>	<b>PL2: Nicolae Corcionivoschi</b> , The role of climate change in bacterial virulence and the biological mechanisms of natural antimicrobials <i>Agri-Food and Biosciences Institute, Belfast, Northern Ireland, UK</i>
12 <sup>55</sup> – 13 <sup>15</sup>	<b>PL3: Athanasios Salifoglou</b> , Molecular engineering of natural antioxidant capacity drives future neuroprotective technologies in human health <i>Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Greece</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>IL1: Phelyster K. Nafula</b> , Thomas O. Opiyo, Elly Ndiao, Dancea Lucretiu, Effects of climate change and variability on pastoral communities in Kenya <i>African International University, Kenya</i>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>IL2: Korzeniowska Malgorzata</b> , Natural chicken meat antioxidants stimulation by dietary selenium and methionine <i>Department of Functional Food Products Development, Wroclaw University of Environmental and Life Sciences, Poland</i>
13 <sup>45</sup> – 14 <sup>00</sup>	<b>IL3: Sevasti Matsia</b> , Athanasios Salifoglou, Naringin and naringenin derivatives with diamines and polyamines in antioxidant activity <i>Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Greece</i>
14 <sup>00</sup> – 14 <sup>15</sup>	<b>IL4: Emilian Onișan</b> , Irina Petrescu, Ioan Sărac, Dorica Botău, Evaluation of Orobanche Cumana race e in the automatic rhizotron on sunflower sensitive and resistant genotypes <i>University of Life Sciences “King Mihai I” from Timișoara</i>
14 <sup>15</sup> – 14 <sup>30</sup>	<b>IL5: Jerčinović Silvije</b> , Kantar Sandra, Svržnjak Kristina, Segmentation of the food market for special nutritional needs <i>Križevci College of Agriculture, Croatia</i>
14 <sup>30</sup> – 14 <sup>45</sup>	<b>IL6: G.R. Simion</b> , M.D. Codreanu, M. Crivineanu, Study regarding the ultrasonographic findings of exocrine pancreatic insufficiency (EPI) in dogs <i>Faculty of Veterinary Medicine, University of Agronomic Sciences and Veterinary Medicine from Bucharest</i>
14 <sup>45</sup> – 15 <sup>30</sup>	<b>Lunch&amp;Coffee break</b> - <i>Iulius Congress Hall, Ansablul Iulius Mall, Street. Aristide Demetriade, no. 1, Timișoara, Romania</i>

## Multidisciplinary Conference on Sustainable Development

### Section: Food Chemistry, Engineering & Technology

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- 15<sup>30</sup> – 15<sup>45</sup> **OC1: V. Năstasă**, B. Minea, A.S. Pașca, A.C. Bostănaru-Iliescu, D.C. Aniță, A. Goriuc, M. Mareș, Long-term oral administration of immunoglobulin Y induces systemic immune effects in C57BL/6 mice  
*Faculty of Veterinary Medicine, University of Life Sciences “Ion Ionescu de la Brad” from Iași, Romania*
- 15<sup>45</sup> – 16<sup>00</sup> **OC2: Irina-Adriana Chiurciu**, Elena Soare, Mihai Gîdea, Mirela Dușa, Ana-Maria Stanciu, Romania's commercial partners in corn and wheat trade  
*Faculty of Management and Rural Development, University of Agronomic Sciences and Veterinary Medicine of Bucharest*
- 16<sup>00</sup> – 16<sup>15</sup> **OC3: Hadija Mtunguja**, Simon Elias Kafuku, Alexandra Becherescu, Veronica Sărățeanu, Marius Balint, Anca Drăgunescu, Overview on vegetable farming in Tanzania  
*University of Life Sciences “King Mihai I” from Timișoara*
- 16<sup>15</sup> – 16<sup>30</sup> **OC4:** Evolution of quality characteristics of green tomatoes during fermentation in low-sodium regime  
Daniela Constandache, **Doina Georgeta Andronoiu**, Oana Viorela Nistor, Gabriel Dănuț Mocanu, Elisabeta Botez – “Dunărea de Jos” University, Faculty of Food science and Engineering, 111 Domnească Street, Galați, Romania
- 16<sup>30</sup> – 16<sup>45</sup> **OC5: Saša Krstović**, Miloš Petrović, Marko Vukadinović, Dejan Beuković, Igor Jajić, Will food in future have rather more legs than we might like? *Tenebrio Molitor* as a novel feed source  
*University of Novi Sad, Faculty of Agriculture, Novi Sad, Serbia*
- 16<sup>45</sup> – 17<sup>00</sup> **OC6: Salvatore Cuomo**, Scientific Machine Learning for Agricultural Science  
*University of Naples Federico II, Napoli – Italy*
- 17<sup>00</sup> – 17<sup>15</sup> **OC7: Anca Peter**, Raluca Paul, Iulia Benko, Laura Adela Pop, Maria Romanyuk, Leonard Mihaly Cozmuta, Camelia Nicula, Anca Mihaly Cozmuta, Bio-materials based on polyvinyl alcohol (PVA) with barrier properties against water vapor  
*Technical University of Cluj Napoca, North University Center of Baia Mare, Faculty of Sciences, Department of Chemistry and Biology, Baia Mare, Romania*
- 17<sup>15</sup> – 17<sup>30</sup> **OC8: Ludovic Toma Csiszter**, Eleonora-Timea Fazekas, Radu Ionel Neamț, Daniela Elena Ilie, Simona Baul, Alexandru Eugeniu Mizeranschi, Mircea-Nicolae Rațiu, Ciprian Valentin Mihali, Silvia Elena Erina, Study on growth and feeding efficiency in charolais suckling calves  
*University of Life Sciences “King Mihai I” from Timișoara, Faculty of Bioengineering of Animal Resources*
- 17<sup>30</sup> – 17<sup>45</sup> **OC9: Bere – Semeredi Iudit Roxana Sirbu**, Anca Drăghici, Nature-based solutions - a brief overview of the perspective of the cities in the light of climate change  
*Politehnica University of Timisoara, Romania*
- 19<sup>00</sup> – 22<sup>00</sup> **Conference Dinner - “COMPLEX FLONTA” Restaurant, Trandafirului 200, Giroc, Timiș county, RO (18<sup>00</sup>-18<sup>30</sup> - Bus transport at the parking place of the Iulius Mall - Iulius Congress Hall)**

**Section: Food Chemistry, Engineering & Technology**

**Senate Hall**  
**University of Life Sciences “King Mihai I” from Timișoara**  
**2<sup>nd</sup> Day – 26<sup>th</sup> of May, 2023 (Friday)**



- 10<sup>00</sup> – 10<sup>10</sup> Opening of the Conference (Section: *Food Chemistry, Engineering & Technology*)  
**Adrian Riviș**, Dean of the Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara  
**Nicoleta Gabriela Hădărugă**, Vice-dean of the Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara

**Chaired by: Florina Adriana Radu**

**Senate Hall**  
**University of Life Sciences “King Mihai I” from Timișoara**

- 10<sup>10</sup> – 10<sup>45</sup> **PL4:** Hybrid chromium-flavonoid materials promoting antioxidant capacity roles in human (patho)physiology  
**Athanasios Salifoglou** - Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece
- 10<sup>45</sup> – 11<sup>00</sup> **OC10:** Development of allantoin-based hydrogels for chronic wound healing and cell regeneration  
**Evangelia Bougioukli**, Sevasti Matsia, Christos Ritzoulis, Athanasios Salifoglou - Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece
- 11<sup>00</sup> – 11<sup>15</sup> **OC11:** In-vitro evaluation of bioactive profile of *Cornus mas* L. extract  
**Georgios Lazopoulos**, Sevasti Matsia, Anastasia Loukri, Anastasia Kyriakoudi, Ioannis Mourtzinis, Athanasios Salifoglou - Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece
- 11<sup>15</sup> – 11<sup>30</sup> **OC12:** In-vitro studies of neuroprotective properties of oleuropein  
**Georgios Lazopoulos**, Marios Maroulis, Sevasti Matsia, Athanasios Salifoglou - Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece

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- 11<sup>30</sup> – 11<sup>45</sup>      **OC13:** Antimicrobial activity in the solid state and solution of blue marine resources  
**Polyxeni Kalisperati**, Sevasti Matsia, Marios Maroulis, Maria Perikli, Oana Cristina Parvulescu, Violeta Alexandra Ion, Anne-Kristin Løes, Joshua Cabell, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece; Norwegian Centre for Organic Agriculture (NORSØK), Gunnars veg 6, Tingvoll N-6630, Norway*
- 11<sup>45</sup> – 12<sup>00</sup>      **OC14:** Design and synthesis of polymeric microparticles for the encapsulation of pharmaceuticals  
**Sevasti Matsia**, Christos Ritzoulis, Nikos Boukos, Elias Sakellis, Ioannis Kioumis, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- 12<sup>00</sup> – 13<sup>00</sup>      Poster presentation
- 13<sup>00</sup> – 13<sup>15</sup>      Concluding Remarks



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



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**POSTERS**

- P<sub>1</sub>** Phytoproducts and functional digestive disorders in female patients  
**Doina Georgescu**, Ana Lascu, Ciprian Rosca, Oana-Elena Ancusa, Ioana Suceava, Norina Basa, Liviu-Andrei Georgescu - *Department of Internal Medicine I, "V Babes" University of Medicine and Pharmacy, Timisoara, Romania*
- P<sub>2</sub>** Evaluation of the nutritional value of acacia honey with nuts  
**Laura Rădulescu**, Nicoleta Gabriela Hădărușă, Ariana Bianca Velciov, Despina-Maria Bordean, Liana Maria Alda, Cristina Liliana Mitroi, Corina Iuliana Megyesi - *Faculty of Food Engineering, University of Life Sciences "King Mihai I" from Timișoara*
- P<sub>3</sub>** Sensory and physical-chemical characterization of a homemade raspberry jelly  
**Corina I. Megyesi**, Ariana B. Velciov, Gabriel Bujancă, Nicoleta G. Hădărușă, Laura Rădulescu, Cristina Mitroi, Adrian Riviș - *Faculty of Food Engineering, University of Life Sciences "King Mihai I" from Timișoara*
- P<sub>4</sub>** Quantitative determination of some antioxidant compounds from the *Vaccinium myrtillus* extracts  
**Dumitru Condrat**, Virgiliu Ciutina, Mihaela Meșter, Anca Dicu, Monica Zdremțan, Daniela Diaconescu - *Faculty of Food Engineering, Tourism and Environmental Protection, "Aurel Vlaicu" University, Arad, Romania*
- P<sub>5</sub>** Preliminary results on the recovery of coenzyme Q10 from vegetable and animal waste  
**Andersina Simina Podar**, Cristina Anamaria Semeniuc, Floricuța Ranga, Maria-Ioana Socaciu, Melinda Fogarasi, Anca Corina Fărcaș, Dan Cristian Vodnar, Simona Raluca Ionescu, Sonia Ancuța Socaci - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine from Cluj-Napoca, Romania*
- P<sub>6</sub>** Evaluation of bacterial contamination of some Red velvet cakes  
**Zorica Vosgan**, Anca Dumuta, Lucia Mihalescu, Flavia Pop - *FTechnical University of Cluj-Napoca, Faculty of Sciences, Department of Chemistry and Biology, Baia Mare, Romania*
- P<sub>7</sub>** Study on the nutritional value of some cereal bars assortments from the Romanian market  
**Liana Maria Alda**, Claudia Sirbulescu, Daniela Scedei, Diana Moigradean, Despina Maria Bordean, Mihaela Moatar, Raluca Spatariuc, Simion Alda - *Faculty of Food Engineering, University of Life Sciences "King Mihai I" from Timișoara*
- P<sub>8</sub>** The use of PCR and elisa methods to detect and monitor the infection of domestic pigs and wild boars with african swine fever virus  
**L. Anghel (Cireașă)**, M.V. Tanasa (Acretei), C.O. Vrancianu, N. Roșoiu - *D.S.V.S.A. Constanta, Molecular Biology Laboratory, Veterinary Health and Food Safety Department, Constanta, Romania*
- P<sub>9</sub>** Design, synthesis, and physicochemical properties of ternary Nd(III) systems with flavonoids. Relevance to human health  
**Anastasios Papadopoulos**, Sevasti Matsia, Antonios Hatzidimitriou, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- P<sub>10</sub>** Production of bilayer polymeric films for future use in active food packaging materials  
**Charalampos Giannios**, Sevasti Matsia, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*

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- P<sub>11</sub>** Unusual catalytic reactivity in new vanadium-peroxido-zwitterion materials  
**Efrosini Kioseoglou**, Antonios Hatzidimitriou, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- P<sub>12</sub>** Synthesis and characterization of vanadium hybrid materials with physiological substrates as potential insulin mimics in *Diabetes mellitus II*  
**Georgios Lazopoulos**, Antonios Hatzidimitriou, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- P<sub>13</sub>** Seaweed and ground fish bone product characterization and antioxidant activity as potential plant growth stimulants in agriculture  
**Sevasti Matsia**, Marios Maroulis, Maria Perikli, Oana Cristina Parvulescu, Violeta Alexandra Ion, Anne-Kristin Løes, Joshua Cabell, Athanasios Salifoglou- *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece, Norwegian Centre for Organic Agriculture (NORSØK), Gunnars veg 6, Tingvoll N-6630, Norway*
- P<sub>14</sub>** Chemical reactivity of lanthanide metal ions with natural antioxidant agents  
**Veroniki Dakoura**, Sevasti Matsia, Antonios Hatzidimitriou, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- P<sub>15</sub>** Design, synthesis and physicochemical properties of ternary La(III) systems with dietary flavonoids  
**Evangelos Pozarlis**, Sevasti Matsia, Antonios Hatzidimitriou, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- P<sub>16</sub>** The barrier between toxic and nutritious seeds  
**Despina-Maria Bordean**, Ducu Sandu Stef, Aurica Breica Borozan, Liana Maria Alda, Luminita Pirvulescu, Laura Rădulescu, Corina Iuliana Megyesi - *Faculty of Food Engineering, University of Life Sciences "King Mihai I" from Timișoara, Romania*
- P<sub>17</sub>** Challenges and approaches in the use of natural bioactive compounds of plant origin as food additives in meat products  
**Sofia Popescu**, Florina Radu, Ariana Velcirov, Luminita Pirvulescu - *Faculty of Food Engineering, University of Life Sciences "King Mihai I" from Timișoara*
- P<sub>18</sub>** Preliminary Studies for the Determination of Niacin  
**Ivana Pantea**, Alexandru Pahomi, Daniela Dascălu - *West University of Timișoara, Faculty of Chemistry, Biology, Geography, Department of Biology-Chemistry, J.H. Pestalozzi 16, 300115, Timișoara, Romania*
- P<sub>19</sub>** Research perspective in Romanian military while on duty diet  
**Ana-Maria Fundeanu**, Oana-Viorela Nistor, Doina-Georgeta Andronoiu, Gabriel-Dănuț Mocanu, Elisabeta Botez - *"Dunărea de Jos" University of Galati, Faculty of Food Science and Engineering 111 Domneasca Street, RO-800201, Galati, Romania*
- P<sub>20</sub>** Use of rosehip and carob powder as unconventional plant materials to design novel functional and nutritional chocolate formulations  
**Ioana-Alina Pop**, Camelia Moldovan, Diana Moigradean, Mirela Popa, Daniela Stoin, Adrian Rivis, Delia Dumbrava, Diana Raba, Mariana-Atena Poiana - *Faculty of Food Engineering, University of Life Sciences "King Mihai I" from Timișoara, Romania*

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- P21** Development and nutritional characterization of pomegranate peel powder. Preliminary research  
**Ariana – Bianca Velciov**, Adrian Riviş, Daniela Stoin, Georgeta – Sofia Popescu, Iasmina – Madalina Anghel, Antoanela Cozma, Alexandru Rinovetz, Laura Rădulescu, Corina Iuliana – Megyesi, Maria Rada - *Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara, Romania*
- P22** Sourdough lactic acid bacteria impact on bread quality and conservation  
**Alina A. Dobre**, Elena Mirela Cucu, Nastasia Belc - *National Research and Development Institute for Food Bioresources - IBA Bucharest, Băneasa Ancuța 5, 020323, Bucharest, Romania*
- P23** Boron compounds: Challenges and Applications in food industry  
**Veronica Filimon**, Alexandra Virginia Bounegru, Simona Butan - *“Dunarea de Jos” University of Galati, Galati, Romania*
- P24** Research on obtaining an assortment of hypoglycemic ice cream  
**Mariana-Violeta Popescu**, Andreea Juncanariu, Adriana Dabija - *Ștefan cel Mare University of Suceava, Faculty of Food Engineering, University Street 13, 720229, Suceava, Romania*
- P25** The study of the Bican roz 6 Mf clone in the climate conditions of the murfatlar vineyard  
**Anamaria Negraru (Tănase)**, Mihai Botu, Aurora Ranca, Traian Ștefan Cosma, Ionica Dina, Grigore-Valentin Beleniuc - *Murfatlar Viticulture and Vinification Research and Development Station; University of Craiova, 13 Street A.I. Cuza , Faculty of Horticulture, Craiova, România*
- P26** Interactions of sporobiota with other soil species  
**Laurențiu Adrian Urucu**, Ionel Popescu-Mitroi, Radu Dana Gina - *“Aurel Vlaicu” University of Arad, Faculty of Food Engineering, Tourism & Environmental Protection, 310330 Arad, 2 – 4 E. Dragoi Street, Romania*
- P27** Studies on the fatty acid profile and quality characteristics of linseed oil  
**Viorica – Mirela Popa**, Despina – Maria Bordean, Aurica Breica Borozan, Delia – Gabriela Dumbravă, Corina – Dana Mișcă, Camelia Moldovan, Mariana – Atena Poiană, Diana – Nicoleta Raba - *Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara, Romania*
- P28** Plant-based alternatives to cheese - antioxidant, nutritional and sensory characteristics  
**Delia-Gabriela Dumbrava**, Camelia Moldovan, Mariana-Atena Poiana, Ducu Sandu Stef, Corina Dana Misca, Viorica-Mirela Popa, Diana-Nicoleta Raba, Nicoleta-Gabriela Hadaruga - *Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara, Romania*
- P29** Eco-innovating of organic rhubarb granules used to correct the acidity marker of the sugar syrups  
**Steluța V. Radu** - *"Ion Ionescu de la Brad" University of Life Science Iași, Romania*
- P30** Influence of red kidney bean (*Phaseolus vulgaris* L.) flour on baker’s confectionery products quality  
**Cristina Natalia Butunoi**, Bogdan Păcularu – Burada, Doina Georgeta Andronoiu, Gabriel – Dănuț Mocanu, Gabriela Elena Bahrim - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Food Science and Engineering Faculty, „Dunarea de Jos” University of Galati, Romania*

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- P<sub>31</sub>** Quality evaluation of different types of sunflower oils  
**Cosmina Gabriela Murgoci**, Luiza – Andreea Tănase (Butnariu), Oana – Viorela Nistor, Gabriel – Dănuț Mocanu - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Food Science and Engineering Faculty, „Dunarea de Jos” University of Galati, Romania*
- P<sub>32</sub>** Effects of different levels of basil (*Ocimum basilicum* L.) powder or extract on physicochemical, textural and sensorial characteristics of bread  
**Andra Maria Popovici**, Silviu Măntăilă, Luiza – Andreea Tănase (Butnariu), Doina Georgeta Andronoiu, Gabriel – Dănuț Mocanu - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Food Science and Engineering Faculty, „Dunarea de Jos” University of Galati, Romania*
- P<sub>33</sub>** Influence of different drying methods on bioactive compounds, colour and antibacterial properties of some aromatic plants  
**Georgiana Gabriela Popovici**, Silviu Măntăilă, Luiza – Andreea Tănase (Butnariu), Mihaela Cotârleț, Gabriel – Dănuț Mocanu - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Food Science and Engineering Faculty, „Dunarea de Jos” University of Galati, Romania*
- P<sub>34</sub>** The use of bamboo, coconut and almond flour to obtain gluten-free and hypoglycemic cookies  
**Camelia Moldovan**, Maria Laura Szasz-Toma, Ancuța Maria Popa, Cristina Toța, Viorica-Mirela Popa, Diana-Nicoleta Raba, Aurica-Breica Borozan, Corina-Dana Mișcă, Despina-Maria Bordean, Mariana-Atena Poiana, Delia-Gabriela Dumbravă - *Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara, Romania*
- P<sub>35</sub>** Quality evaluation of functional biscuits developed from wheat flour and malted barley flour mixtures  
**Daniela Stoin**, Călin Jianu, Mariana-Atena Poiană, Ariana-Bianca Velciov, Ileana Cocan, Monica Negrea - *Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara, Romania*
- P<sub>36</sub>** Studies on the influence of the shelf life of Cottage cheese on the content of the B vitamin complex  
**Florina Radu**, Georgeta- Sofia Popescu, Mihaela Maria Stanciugelu, Daniela- Florentina Marcu - *Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara, Romania*
- P<sub>37</sub>** Filtration in the fractionation of natural semi-solid fats  
**Alexandru Rinovetz**, Adrian Riviș, Corina Mișcă, Ariana Velciov, Florina Radu, Gabriel Hegheduș-Mîndru, Bogdan Petru Rădoi, Gabriel Bujancă, Alina Tunsu, Mihaela-Gianina Fraiu, Oana-Alina Marcu, S. Coste, B. Vaipan, Nicoleta Hădărugă, Teodor Ioan Trașcă - *Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara, Romania*
- P<sub>38</sub>** Formulated lipids vs shortenings. Short communication  
**Alexandru Rinovetz**, Adrian Riviș, Corina Mișcă, Ariana Velciov, Daniela Stoin, Gabriel Hegheduș-Mîndru, Bogdan Petru Rădoi, Corina Megyesi, Mihaela-Gianina Fraiu, Oana-Alina Marcu, S. Coste, B. Vaipan, Teodor Ioan Trașcă, Nicoleta Hădărugă - *Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara, Romania*

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- P39** Setting the sole purpose as well as the advantages and disadvantages of the PCR (Polymerase Chain Reaction) versus Elisa (Enzyme – Linked Immunosorbent Assay) laboratory techniques used to confirm the presence of African Swine Fever virus in domestic pigs and wild boars  
**Larisa Anghel (Cireasa)**, Maria-Virginia Tanasa (Acretei), Valentin Balteanu, Carmen Chifiriuc, Natalia Roşoiu - *D.S.V.S.A. Constanta, Molecular Biology Laboratory, Veterinary Health and Food Safety Department, Constanta, Romania*
- P40** The quality of pumpkin oil using in food industry  
Bianca Florina Pascotescu, Mariana-Atena Poiana, Simion Alda, Liana-Maria Alda, Despina-Maria Bordean, Camelia Moldovan, Delia-Gabriela Dumbrava, **Diana Moigradean**, *Faculty of Food Engineering, University of Life Sciences “King Mihai I” from Timișoara, Romania*
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**Marius Eduard Ciocan**, Ancuța Chetrariu, Rozália Veronika Salamon, Adriana Dabija  
*Ștefan cel Mare University of Suceava, Faculty of Food Engineering, University Street 13,720229, Suceava, Romania*
- P42** Antioxidant activity and kinetic studies on some hydrophilic extracts of fruits from the rose family (*Rosaceae*)  
**Dina Gligor (Pane)**, Cristina Liliana Mitroi, Nicoleta G. Hădărugă, Daniel I. Hădărugă, *Doctoral School “Engineering of Vegetable and Animal Resources”, University of Life Sciences “King Mihai I” from Timișoara, Calea Aradului 119, 300645 - Timișoara, Romania*
- P43** The obtaining and characterizing of some low-fat pork sausages  
**Ducu Ștef**, Adrian Riviș, Teodor Ioan Trașcă, Nicoleta Hădărugă, Gabriel Hegheduș-Mîndru, Despina Bordean, Delia Dumbravă, Camelia Moldovan, Mirela Popa, Corina Mișcă, Mihaela Cazacu, Lavinia Ștef, Ramona Hegheduș-Mîndru, Gabriel Bujancă  
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