

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



USAMVBT Timisoara

Multidisciplinary Conference on Sustainable Development

08-09 October 2020



Scientific Programme
Multidisciplinary Conference on Sustainable Development, 08-09 October 2020
Section: Food Chemistry, Engineering & Technology



Faculty of Food Engineering

Timisoara, 2020



Academy of Agricultural and Forestry Sciences
"Gheorghe Ionescu-Sişeşti"
Timisoara Branch



Romanian Association of Food Industry Specialists
Timisoara Branch



Romanian Chemistry Society
Timisoara Branch

Conferences Programme

1st Day – 08th of October, 2020 (Thursday)

Registration on-line

10 ⁰⁰ – 10 ¹⁰	Opening of the Conference
10 ¹⁰ – 10 ³⁰	Plenary Lecture PL ₁
10 ³⁰ – 10 ⁵⁰	Plenary Lecture PL ₂
10 ⁵⁰ – 11 ¹⁰	Plenary Lecture PL ₃
11 ¹⁰ – 11 ³⁰	Plenary Lecture PL ₄

*"Iulian Drăcea" Auditorium
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timișoara*

Section: Agriculture - Trends in european agriculture development

12 ⁰⁰ – 12 ¹⁰	Opening of the Conference
12 ⁰⁰ – 13 ⁴⁵	Oral communications
13 ⁴⁵ – 14 ⁰⁰	Concluding Remarks

*"Iulian Drăcea" Auditorium
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timișoara*

Section: Veterinary Medicine - Animal breeding and pathology today

14 ³⁰ – 14 ⁴⁰	Opening of the Conference
14 ⁴⁰ – 16 ¹⁵	Oral communications
16 ¹⁵ – 16 ³⁰	Concluding Remarks

*"Iulian Drăcea" Auditorium
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timișoara*

Section: Animal husbandry and biotechnology - Animal resource bioengineering

17 ⁰⁰ – 17 ¹⁰	Opening of the Conference
17 ¹⁰ – 18 ⁴⁵	Oral communications
18 ⁴⁵ – 19 ⁰⁰	Concluding Remarks

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Multidisciplinary Conference on Sustainable Development

Section: Food Chemistry, Engineering & Technology

2nd Day - 09th of October, 2020 (Friday)

Section: Agricultural management - *Managemnt of sustainable rural development*

10 ⁰⁰ – 10 ¹⁰	Opening of the Conference
10 ¹⁰ – 11 ⁴⁵	Oral communications
11 ⁴⁵ – 12 ⁰⁰	Concluding Remarks

***”Iulian Drăcea” Auditorium
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara***

Section: Horticulture and Forestry - *Horticulture, Forestry and Biotechnology*

12 ³⁰ – 12 ⁴⁰	Opening of the Conference
12 ⁴⁰ – 14 ¹⁵	Oral communications
14 ¹⁵ – 14 ³⁰	Concluding Remarks

***”Iulian Drăcea” Auditorium
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara***

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

15 ⁰⁰ – 15 ⁰⁵	Opening of the Conference
15 ⁰⁵ – 16 ⁴⁵	Oral communications
16 ⁴⁵ – 17 ⁰⁰	Concluding Remarks

***”Iulian Drăcea” Auditorium
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara***

Scientific Programme

1st Day – 08th of October, 2020 (Thursday)

*”Iulian Drăcea” Auditorium
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara*

Registration (ON-LINE)

10⁰⁰ – 10¹⁰

Opening of the Conference

Cosmin Alin Popescu, *Rector of the Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timișoara,*

Isidora Radulov, *Vicerector of the Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timișoara,*

10¹⁰ – 10³⁰

PL₁: Science, the media and communication

Serban Morosan - *Director UMS (unité mixte de service) (France), Associate Professor (USAMV Iasi), French National Institut of Health and Medical Research (INSERM), Sorbonne University, USAMV IASI*

10³⁰ - 10⁵⁰

PL₂: Sustaining the Natural Wonders of the Caribbean and the Communities who Depend on them

Timothee Huswald - *Honorary Consul General of Romania in Haiti, President of College Universitaire de Roumanie in Haiti, President of the Fund for Biodiversity in Haiti*

10⁵⁰ – 11¹⁰

PL₃: Probiotic approaches to modifying the microbial populations> how do you choose and why?

Todd Riley Callaway - *University of Georgia, Department of Animal and Dairy Science*

11¹⁰ – 11³⁰

PL₄: Impact of industrial production system parameters on Chicken microbioms

Ozan Gundogdu - *Department of Infection Biology – LSHTM; London School of Hygiene and Tropical Medicine - Department of Infection Biology*

Multidisciplinary Conference on Sustainable Development

Section: Food Chemistry, Engineering & Technology

*"Iulian Drăcea" Auditorium
Banat's University of Agricultural Sciences and Veterinary Medicine
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Section: Food Chemistry, Engineering & Technology*

Registration (ON-LINE)

- 15⁰⁰ – 15⁰⁵ Opening of the Conference (Section: Food Chemistry, Engineering & Technology)
Adrian Riviș, *Dean of the Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara*
- Nicoleta Gabriela Hădărugă**, *Vicedean of the Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara*

Chaired by: Eng. Claudia Isabela Oprinescu

*"Iulian Drăcea" Auditorium
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timișoara*

- 15⁰⁵ – 15²⁰ **OC₁: Functional food - PASTA**
Simelda E. Zippenfening, Tamara Daniela Vlăduțescu, Anamaria Guran (căs. Radu), Dina Gligor (Pane), Christine A. Lucan (Banciu), Nicoleta Gabriela Hădărugă, Adrian Riviș - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara, Romania*
- 15²⁰ – 15³⁵ **OC₂: β-Cyclodextrin / Phaseolus vulgaris L. lipid complexes - stable and promising ingredients for food and cosmetic industries**
Marius Daniel Simandi, Laura Rădulescu, Adrian Riviș, Nicoleta Gabriela Hădărugă - *Soubry NV, Verbrandhofstraat 51 8800 Roeselare, Belgium*
- 15³⁵ – 15⁵⁰ **OC₃: IS "CHOCOLATE – functional food" good for you?**
Claudia Isabela Oprinescu, Marius Ioan Cugerean, Giulia Golea, Paul Petridean, Nicoleta Gabriela Hădărugă - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara, Romania*
- 15⁵⁰ – 16⁰⁵ **OC₄: Fatty acid profile of lipid fractions of "Mangalitză" (Sus scrofa domesticus)**
Raymond Nandy Szakal, Cosmina Andrea Chirilă, Lucian Radu, Cristina Liliana Mitroi, Adrian Riviș, Nicoleta Gabriela Hădărugă - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara, Romania*
- 16⁰⁵ – 16²⁰ **OC₅: Influence of growing and processing factors on the fatty acid profile of poultry lipids**

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Section: Food Chemistry, Engineering & Technology

- Cosmina Andrea Chirilă, **Cristina Liliana Mitroi**, Corina Iuliana Megyesi
Raymond Nandy Szakal, Daniel Ioan Hădărugă, Nicoleta Gabriela Hădărugă -
*Faculty of Food Engineering, Banat's University of Agricultural Sciences and
Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania*
- 16²⁰ – 16³⁵ **OC6:** Evaluation of the fatty acid profile of whole barley (*Hordeum vulgare* L.)
Corina Iuliana Megyesi, **Silvia Ivanova**, Tamara Daniela Vlăduțescu, Nicoleta
Gabriela Hadaruga, Răzvan Drăghici, Adrian Riviș, Gabriela Marinova -
*Agricultural Academy, Institute of Cryobiology and Food Technologies (ICFT),
Department: Technology of food of animal origin, Sofia, Bulgaria*
- 16³⁵ – 16⁵⁰ **OC7:** Production and Characterization of a fat reduce Mascarpone cheese from Goat
Milk
Țelita Szilagyi, **Florina Radu**, Antoanela Cozma - *Faculty of Food Engineering,
Banat's University of Agricultural Sciences and Veterinary Medicine "King
Michael I of Romania" from Timisoara, Romania*
- 16⁵⁰ – 17⁰⁰ Concluding Remarks

POSTERS

- P₁** Red beetroot (*Beta vulgaris* L.): A super food – a short review
Gabriel – Dănuț Mocanu, Ana Cosmina Chirilă, Oana – Viorela Nistor, Liliana Ceclu, Oana Emilia Constantin - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Food Science and Engineering Faculty, „Dunarea de Jos” University of Galati, Romania, Department of Engineering and Applied Sciences, Faculty of Economics, Engineering and Applied Sciences, „Bogdan Petriceicu Hasdeu” Cahul State University, Cahul, Republic of Moldova,*
- P₂** Traditional Fermented Pickles in Romania – a review
Gabriel – Dănuț Mocanu, Angel Florin Vasilev, Oana – Viorela Nistor, Liliana Ceclu, Oana Emilia Constantin - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Food Science and Engineering Faculty, „Dunarea de Jos” University of Galati, Romania, Department of Engineering and Applied Sciences, Faculty of Economics, Engineering and Applied Sciences, „Bogdan Petriceicu Hasdeu” Cahul State University, Cahul, Republic of Moldova*
- P₃** The influence of sweeteners about antioxidant activity and polyphenol content of fermented beverages obtained from chamomile
Camelia Moldovan, Paula Meilă, Viorica-Mirela Popa, Diana-Nicoleta Raba, Despina-Maria Bordean, Aurica-Breica Borozan, Maria Drugă, Delia-Gabriela Dumbravă - *Faculty of Food Engineering, Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Romania*
- P₄** Market study on eating habits of meat products from Slobozia county
Felicia Dima, Daniela Istrati, Camelia Vizireanu, Eugenia Pricop, Ionica Crivăț - *Food Science, Food Engineering, Food Biotechnology Department, Faculty of Food Science and Engineering, “Dunarea de Jos” University of Galati, Romania*
- P₅** Study on the evaluation and optimization of the high school students' menu
Camelia Vizireanu, Daniela Istrati, Felicia Dima, Eugenia Pricop, Georgeta Cristea - *Food Science, Food Engineering, Food Biotechnology Department, Faculty of Food Science and Engineering, “Dunarea de Jos” University of Galati, Romania*
- P₆** Development and characterization of an innovative sweetness of hot pepper
Georgeta-Sofia Popescu, Marina Daiana Neicusi, Ariana Velciov, Florina Radu, Lia Rotariu - *Faculty of Food Engineering, Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Romania*
- P₇** Malt replacers in the production process of gluten free beer
Marius Eduard Ciocan, Adriana Dabija - *Faculty of Food Engineering, Stefan cel Mare University of Suceava, Romania*
- P₈** Proximate composition of homemade chocolate with spices addition
Ariana - Bianca Velciov, Adrian Riviș, Sofia Popescu, Antoanela Cozma, Maria Rada - *Faculty of Food Engineering, Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Romania*

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- P₉** Content of total polyphenols, vitamin C, mineral elements and the antioxidant activity of some dried fruits from the Romanian market
Delia-Gabriela Dumbravă, Despina-Maria Bordean, Camelia Moldovan, Viorica-Mirela Popa, Diana-Nicoleta Raba, Ileana Cocan, Ersilia-Călina Alexa - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania*
- P₁₀** CRISPR – CAS9 mediated genome editing, a cutting-edge tool for microbial metabolic engineering
Leontina Grigore-Gurgu, Florentina Ionela Bucur - *"Dunărea de Jos" University of Galați, Faculty of Food Science and Engineering, Galați, Romania*
- P₁₁** Gut microbiota particularities and gallstone disease in cholecystectomized patients
Doina Georgescu, Emil- Florin Hut, Daniela Radu, Oana-Elena Ancusa, Liviu-Andrei Georgescu - *University of Medicine and Pharmacy "V. Babes", Timisoara*
- P₁₂** Understanding dyspepsia in postcholecystectomy syndrome: is gut microbiota dysbiosis linked to?
Doina Georgescu, Emil-Florin Hut, Daniela Radu, Oana Elena Ancusa, **Liviu Andrei Georgescu** - *University of Medicine and Pharmacy "V. Babes", Timisoara*
- P₁₃** Pumpkin – Health Benefits
Liliana Ceclu, Danut Gabriel Mocanu, Oana-Emilia Constantin, Oana Viorela Nistor - *Cahul State University "B.P.Hasdeu", Faculty of Economics, Engineering and Applied Sciences, Cahul, Republic of Moldova, Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Food Science and Engineering Faculty, „Dunarea de Jos” University of Galati, Romania*
- P₁₄** Study of drinking water quality in cahul district
Veronica Filimon, Cristina Obreja, Simona Butan - *"Dunarea de Jos" University of Galati, Cross-Border Faculty, Galati, Romania*
- P₁₅** An overview on the earliest representative of today vegan and vegetarian ice cream
Oana-Viorela Nistor, **Ecaterina Pohrib**, Gabriel-Dănuț Mocanu, Oana-Emilia Cnstantin, Liliana Ceclu - *Department of Engineering and Applied Sciences, Faculty of Economics, Engineering and Applied Sciences, „Bogdan Petriceicu Hasdeu” Cahul State University, Cahul, Republic of Moldova, Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Food Science and Engineering Faculty, „Dunarea de Jos” University of Galati, Romania*
- P₁₆** Current techniques used for Romanian wine characterization - a review
Teodora Alexandra Iordache, Fulvia Ancuța Manolache, Maria Cristina Todașcă - *National Research & Development Institute for Food Bioresources – IBA, Bucharest, Romania*
- P₁₇** Perspectives on mycotoxin management: occurrence of total aflatoxins in 2018-2019 romanian maize (*Zea mays* L.) samples
Irina Smeu, Hellene Casian - *National Research & Development Institute for Food Bioresources – IBA, Bucharest, Romania*

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- P18** Rheological characteristics of dough from wheat-defatted flaxseed composite flours
Ana-Maria Istrate, Ioan Gontariu, Silviu-Gabriel Stroe, Georgiana Gabriela Codină, Faculty of Food Engineering, Stefan cel Mare University of Suceava, Romania
- P19** The influence of some technological operations on the concentrations of proteins from *Cannabis Sativa*
Petre Savescu, Gabriel Badescu, Livia Apostol - *University of Craiova, Faculty of Agronomy, Craiova, Romania*
- P20** Pre-treatments used for the recovery of brewer's spent grain-a minireview
Ancuța Chetrariu, Adriana Dabija - *Faculty of Food Engineering, Stefan cel Mare University of Suceava, Romania*
- P21** Studies concerning the impact of the origin region on antioxidant properties of blackberries and blueberries
Cristina-Ramona Metzner Ungureanu, Andreea Ioana Lupitu, Cristian Moisa, Diana Moigradean, Mariana-Atena Poiana - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania*
- P22** Innovative shrimp products: physico-chemical and nutritional characterisation
Delia-Gabriela Dumbravă, Camelia Moldovan, Viorica-Mirela Popa, Diana-Nicoleta Raba, Ileana Cocan, Ersilia-Călina Alexa, Bogdan-Petru Rădoi, Diana-Veronica Dogaru - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania*
- P23** Chemical, physicochemical, and nutritional characteristics of some sausage types
Georgeta Sofia Popescu, Georgiana Ciortan, Ariana Velcirov, Ersilia Alexa, Ionela Hotea, Antoanela Cozma, Lia Rotariu - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania*
- P24** Approaches in online food marketing research
Viorica-Mirela Popa, Camelia Moldovan, Delia-Gabriela Dumbravă, Diana Nicoleta Raba, Aurica-Breica Borozan, Corina-Dana Mișcă, *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania*
- P25** Opportunities to improve logistics performance in the food industry
Viorica-Mirela Popa, Camelia Moldovan, Delia-Gabriela Dumbravă, Diana Nicoleta Raba, Aurica-Breica Borozan, Corina-Dana Mișcă - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania*
- P26** Research for identifying the optimum technological profile of rice flour for obtaining agglutene biscuits
Gabriela Cristina Constantinescu (Pop), Monica Gabriela Dinu, Amelia Buculei, Petru Alexe – *"Stefan cel Mare" University of Suceava, Faculty of Food Engineering, Suceava Romania*
- P27** Comparative evaluation of nutritional potential of chestnuts and broad bean
Despina-Maria Bordean, Liana Maria Alda, Mirela Viorica Popa, Laura Rădulescu, Camelia Cioban – *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania*

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- P₂₈** BPA incidence in babies drinking water available on romanian market
Elena Loredana Ungureanu, Gabriel Mustatea, Mona Elena Popa– *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania*

