

Multidisciplinary Conference on Sustainable Development

Section: Food Chemistry, Engineering & Technology



**BANAT'S UNIVERSITY OF AGRICULTURAL SCIENCES
AND VETERINARY MEDICINE
"KING MICHAEL I OF ROMANIA" FROM TIMISOARA**

2022

**MULTIDISCIPLINARY CONFERENCE ON
SUSTAINABLE DEVELOPMENT**

Scientific Programme



Section: Food Chemistry, Engineering & Technology

26 – 27 May 2022, Timisoara

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



**Banat's University of Agricultural Sciences and Veterinary
Medicine "King Michael I of Romania" from Timișoara**
Multidisciplinary Conference on Sustainable Development

26-27 May 2022



Scientific Programme

***Multidisciplinary Conference on Sustainable
Development, 26-27 May 2022***

Section: Food Chemistry, Engineering & Technology



Faculty of Food Engineering

Timișoara, 2022



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

USAMVBT is inviting you to a scheduled Zoom meeting.

Topic: Multidisciplinary Conference on Sustainable Development

Time: May 26, 2022 11:00 AM Bucharest

Join Zoom Meeting

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USAMVBT is inviting you to a scheduled Zoom meeting.

Topic: Food Chemistry, Engineering & Technology

Time: May 26, 2022 02:30 PM Bucharest

Join Zoom Meeting

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Meeting ID: 844 3463 3409

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General Conferences Programme

26 May 2022 (Thursday)

Registration

11 ⁰⁰ – 11 ¹⁵	Opening of the Conference
11 ¹⁵ – 11 ³⁰	Plenary Lecture PL ₁
11 ³⁰ – 11 ⁴⁵	Plenary Lecture PL ₂
11 ⁴⁵ – 13 ⁰⁰	“ <i>Doctor Honoris Causa</i> ” award

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

13⁰⁰ – 14³⁰ **Lunch (Banat’s University Restaurant)**

Section: Agriculture - Trends in European Agriculture Development – hybrid

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

*Faculty of Agriculture
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara*

Section: Agricultural management - Management of Sustainable Rural Development – hybrid

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

*Faculty of Management and Rural Tourism
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara*

Section: Food Engineering - Food Chemistry, Engineering & Technology – hybrid

14 ³⁰ – 14 ⁴⁰	Opening of the Conference section
14 ⁴⁰ – 18 ⁰⁰	Oral communications
18 ⁰⁰ – 18 ¹⁵	Concluding Remarks

*Conference room
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara*

Multidisciplinary Conference on Sustainable Development

Section: Food Chemistry, Engineering & Technology

Section: Animal Husbandry and Biotechnology - Animal Resource Bioengineering – hybrid

14 ³⁰ – 14 ⁴⁰	Opening of the Conference section
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: Horticulture and Forestry - Horticulture, Forestry and Biotechnology – hybrid

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

*Faculty of Horticulture and Forestry
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara*

Section: Veterinary Medicine - Animal Breeding and Pathology Today – hybrid

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

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

19³⁰ – 22⁰⁰ **Conference Dinner**

*“COMPLEX FLONTA” Restaurant
Trandafirului 200, Giroc, Timiș county, RO
(Bus transport in front of the Rectorate –
close to the "Infinite in a Hand" sculpture)*

27 May 2022 (Friday)

10⁰⁰ – 16⁰⁰ Paper presentation on sections

Scientific Programme

1st Day – 26th of May, 2022 (Thursday)

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

- 10³⁰ – 11⁰⁰ **Registration in the Rectorate hall**
- 11⁰⁰ – 11¹⁰ Welcome speech
Cosmin Alin Popescu, *Rector of the Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timișoara,*
- 11¹⁰ – 11¹⁵ Conference opening
Isidora Radulov, *Vicerector of the Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timișoara,*
- 11¹⁵ – 11³⁵ **PL₁: Lorena Lloret Nadal**, *Integrative Veterinary Chinese Medicine
Founding member and director of the Chi Institute of Europe*
- 11³⁵ – 11⁵⁵ **PL₂: Rui Costa**, *Use of Black Soldier fly to convert food waste into feed
Secretary General of the ISEKI Food Association, President of European Alliance
of Subject-Specific and Professional Accreditation and Quality Assurance*
- 11⁵⁵ – 12⁰⁰ Presentation of conference programme
- 12⁰⁰ – 13⁰⁰ **Doctor Honoris Causa award: Prof. dr. Ioan Jelev**
Vice-President of Romanian Academy of Agricultural Sciences and Forestry
- 13⁰⁰ – 14³⁰ **Lunch (Banat’s University Restaurant)**
- 14³⁰ – 18⁰⁰ **Section: Food Chemistry, Engineering & Technology**
*Conference Room
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timișoara*
- 19³⁰ – 22⁰⁰ **Conference Dinner**
*“COMPLEX FLONTA” Restaurant
Trandafirului 200, Giroc, Timiș county, RO
(Bus transport in front of the Rectorate –
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Multidisciplinary Conference on Sustainable Development

Section: Food Chemistry, Engineering & Technology

Section: Food Chemistry, Engineering & Technology

Conference Room
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timișoara
1st Day – 26th of May, 2022 (Thursday)



Registration

14³⁰ – 14⁴⁰

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, *Vice-dean of the Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara*

**Chaired by: Florina Adriana Radu
Claudia Isabela Oprinescu**

Conference Room
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timișoara

14⁴⁰ – 15²⁰

PL₁: The advent of vanadium chemistry in human metabolism
Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*

15²⁰ – 15³⁰

IL₁: Encapsulation of pharmaceuticals in polymeric matrix microparticles for the treatment of Chronic Obstructive Pulmonary Disease
Athanasios Tsimpris, *Sevasti Matsia, Nikos Boukos, Elias Sakellis, Athanasios Salifoglou - Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*

15³⁰ – 15⁴⁰

IL₂: Natural oil encapsulation into inorganic silica nanoparticles
Cleopatra Karakosta, *Sevasti Matsia, Athanasios Salifoglou - Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*

Multidisciplinary Conference on Sustainable Development

Section: Food Chemistry, Engineering & Technology

- 15⁴⁰ – 15⁵⁰ **IL₃**: Thin biopolymer film construction for food safety applications
Konstantinos Rogkotis, Sevasti Matsia, Athanasios Salifoglou - Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece
- 15⁵⁰ – 16⁰⁰ **IL₄**: Development of analytical tools package for the characterization of low and high nitrogen algal cake
Marios Maroulis, Sevasti Matsia, 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; Modern Analytics Testing Laboratories, Thermi 57500, Thessaloniki, Greece*
- 16⁰⁰ – 16¹⁰ **IL₅**: The chemistry of Pb with hydroxycarboxylic acids identifies soluble species linked to its toxicity determination
Maria Perikli, Marios Maroulis, Sevasti Matsia, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- 16¹⁰ – 16²⁰ **IL₆**: Flavonoid-based hybrid materials as metallodrugs in disease administration
Sevasti Matsia, Antonios Hatzidimitriou, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- 16²⁰ – 16³⁰ **IL₇**: 3D bioprinting: Manufacture of cell loaded hydrogel scaffolds
Vasileia Karakosta, Konstandinos Rogkotis, Sevasti Matsia, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- 16³⁰ – 16⁴⁰ **OC₁**: The content of bioactive compounds and antimicrobial activity of the *Plantago Lanceolata* herba
Maria-Ioana Socaciu, Melinda Fogarasi, Cristina Anamaria Semeniuc, Sonia Ancuța Socaci, Mihaela Ancuța Rotar, Vlad Mureșan, Oana Lelia Pop, Dan Cristian Vodnar - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 3-5 Mănăștur St., 400372 Cluj-Napoca, Romania*
- 16⁴⁰ – 16⁵⁰ **OC₂**: Emulsion oleogels optimized by means of surface response methodology for application in foods
Andreea Pușcaș, Anda Tanislav, Elena Andruța Mureșan, Vlad Mureșan - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania*
- 16⁵⁰ – 17⁰⁰ **OC₃**: *Sorbus Aucuparia* - antioxidant potential
Georgiana A. Spaller, Teodora Mureșan, Crina C. Mureșan, Georgiana S. Martiș and Romina M. Marc (Vlaic) - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca., Romania*
- 17⁰⁰ – 17¹⁰ **OC₄**: Cheese-making technology - matured cheeses
Andreea Dodan, Crina C. Mureșan, Mirela Jimborean, Delia Michiu, Georgiana Smaranda Martis, Romina A. Marc (Vlaic), Sevastița Muste - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 3-5 Mănăștur St., 400372 Cluj-Napoca, Romania*

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Section: Food Chemistry, Engineering & Technology

- 17¹⁰ – 17²⁰ **OC₅:** *Sambucus Nigra* L. - Potential resources of natural food colourants
Neli Pantea, Crina C. Mureşan, Georgiana S. Martiş, Romina M. Marc (Vlaic), Ungur Rodica, Bordea Monica and Sevastiţa Muste - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, 3–5 Mănăştur Street, 400372 Cluj-Napoca, Romania; Department of Rehabilitation “Iuliu-Haţieganu” University of Medicine and Pharmacy, Faculty of General Medicine, 8 Victor Babeş Street, 400012, Cluj-Napoca, Romania*
- 17²⁰ – 17³⁰ **OC₆:** Physicochemical and nutritional characterization of some *Fagaceae* kernels
Maria-Ioana Socaciu, Cristina Anamaria Semeniuc, Elena Andruţa Mureşan, Andreea Puşcaş, Anda Tanislav, Floricuţa Ranga, Francisc Dulf, Emöke Páll, Alina Maria Truţă, Claudia Paşca, Daniel Severus Dezmarean, Vlad Mureşan - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 3-5 Mănăştur St., 400372 Cluj-Napoca, Romania*
- 17³⁰ – 17⁴⁰ **OC₇:** The oxidative quality of bi-, oleo- and emulgels and bioactives delivery in food
Anda Elena Tanislav, Andreea Puşcaş, Vlad Mureşan, Elena Mudura - *Food Engineering Department, Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 3-5 Calea Manaştur Street, 400372, Cluj-Napoca, Romania*
- 17⁴⁰ – 18⁰⁰ Poster presentation
- 18⁰⁰ – 18¹⁵ Concluding Remarks



Faculty of Food Engineering

Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania

POSTERS

- P₁** Applications of hops in the food industry
Liana C. Salanță, Maria Tofană, Carmen R. Pop, Anamaria Pop, Anca C. Fărcaș, Andrei Borșa - *Department of Food Science and Department of Food Engineering, Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania*
- P₂** Reformulated meat product with wild garlic and chestnut flour
Anca Mihaela Dicu, Simona Perța-Crișan, Ionela-Marinela Rotar, Claudiu-Ștefan Ursachi - *Faculty of Food Engineering, Tourism and Environmental Protection, "Aurel Vlaicu" University of Arad, 2-4 Elena Drăgoi Str., 310330 Arad, Romania*
- P₃** Natural cranberry extracts and lower urinary tract symptoms in young female patients
Doina Georgescu, Oana -Elena Ancusa, Daniela Radu, Izabella Petre, Liviu-Andrei Georgescu - *Department of Internal Medicine, "V Babes" University of Medicine and Pharmacy, Timisoara, Romania*
- P₄** The impact of climate change on vines in the topoclimate of the Murfatlar viticulture center
Anamaria Negraru (Tănase), M. Botu, Aurora Ranca, Madalina Andreea Ciocan, Dina Ionica, Grigore-Valentin Beleniuc - *Faculty of Horticulture, University of Craiova*
- P₅** Determination of lactose in milk and dairy products by HPLC-RID method
Sandra M. Jakšić, Nenad S. Popov, Željko A. Mihaljev, Milica M. Živkov Baloš - *Scientific Veterinary Institute „Novi Sad“, Rumenački put 20, 21000 Novi Sad, Serbia*
- P₆** Two-step bioconversion process for obtaining gellan gum from wheat bran
Elemér Lajos Simon, Alexandru Rusu, Adrian Gheorghe Martău, Dan Cristian Vodnar - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine, Calea Mănăstur 3 - 5, 400372 Cluj-Napoca, Romania*
- P₇** The activity of radionuclides in different samples from the environment in Vojvodina (Northern Province of Serbia)
Željko A. Mihaljev, Milica M. Živkov-Baloš, Sandra M. Jakšić, Nenad S. Popov - *Scientific Veterinary Institute "Novi Sad", 21000 Novi Sad, Rumenački put 20, Republic Serbia*
- P₈** Remediation of sediment additionally contaminated with chromium
Nenad S. Popov, Sandra M. Jakšić, Željko A. Mihaljev, Milica M. Živkov Baloš, Miloš M. Pelić, Nataša S. Duduković, Srđan D. Rončević - *Scientific Veterinary Institute „Novi Sad“, Rumenački put 20, 21000 Novi Sad, Serbia*
- P₉** The content of bioactive substances in sea buckthorn and the functional potential of its waste
Ioana Stanciu, Elena Elisabeta Popa, Mona Elena Popa - *University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Marasti Blvd, District 1, Bucharest, Romania*
- P₁₀** Epidemiological situation of African Swine Fever and measures applied to prevent, combat, and control the disease in Constanta County
Larisa Cireașă – *Direcția Sanitar Veterinară și pentru Siguranța Alimentelor - Constanța*
- P₁₁** ProBioTEA – Fermented beverage obtained from borș and elderflower (*Sambucus nigra* L.) tea
Carmen (Vîrnă) Zamfir, Gabriel – Dănuț Mocanu, Dana – Iulia Moraru- *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Faculty of Food Science and Engineering, „Dunarea de Jos” University of Galați, Galați, Romania*

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- P12** Citrus oil nano-emulsions - so many options but one choice: physical stability and antibacterial activity in the food field
Madalina-Lorena Medeleanu, Anca Corina Fărcaș, Cristina Coman, Sonia Ancuța Socaci - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania; Institute of Life Sciences, University of Agricultural Sciences and Veterinary Medicine, 400372 Cluj-Napoca, Romania*
- P13** Literature review on the antioxidant activity of some plant extracts, fruits and spices and their application in food industry
Paul A. Popescu, Cătălina I. Nicolae, Amalia C. Miteluț, Elisabeta E. Popa, Mihaela C. Draghici, Mona E. Popa - *Faculty of Biotechnology, University of Agronomic Sciences and Veterinary Medicine of Bucharest, 59 Mărăști Blvd, District 1, Bucharest, 011464, Romania*
- P14** The chromatic profile of red wines from the Oltenia wine region
Iasmina-Ximena Iliopol, Mariana-Atena Poiana, Simion Alda, Liana-Maria Alda, Diana Moigradean - *Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Faculty of Food Engineering, Calea Aradului no. 119, 300645 Timisoara, Romania*
- P15** Applications of essential oils in the bakery industry
Veronica Filimon, Mihaela Andrei – *"Dunarea de Jos" University of Galati, Galati, Romania*
- P16** Partial or total replacement of butter with chia seeds applied in biscuits production technology
Oana-Viorela Nistor, Mihaela Gribiniuc, Doina-Georgeta Andronoiu, Gabriel-Dănuț Mocanu - *Dunărea de Jos University of Galati, Faculty of Food Science and Engineering, Domneasca Street 111, 800201, Galati, Romania*
- P17** Characterization of probiotic freeze-dried candies with yoghurt and fruit bioactive compounds
Corina Neagu, Mihaela Turturică, Daniela Borda - *Dunarea de Jos University Galati, Faculty of Food Science and Engineering, 111 Domneasca Street, Romania*
- P18** Research on innovation of smart packaging by biomaterials with antiseptic properties
Steluta V. Radu, Stefan -Lucian Toma - *University of Life Science Ion Ionescu de la Brad Iasi, University Gh. Asachi Iasi*
- P19** Frying in fats
Alexandru Rinovetz, Nicoleta Gabriela Hădărușă, Ersilia Călina Alexa, Teodor Ioan Trașcă, Ariana Velciov, Petru Bogdan Rădoi, Alexandru Nicolae - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P20** Development and characterization of a new assortment of vegetable pastes based on conventional oilseeds and forestry seeds
Maria-Ioana Socaciu, Cristina Anamaria Semeniuc, Anda Tanislav, Elena Andruța Mureșan, Andreea Pușcaș, Alina Maria Truță, Vlad Mureșan - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 3-5 Mănăștur St., 400372 Cluj-Napoca, Romania*
- P21** Elderberries- antiviral activity
Mirela Isac (Mocanu), Amariei Sonia - *Faculty of Food Engineering, Ștefan cel Mare University of Suceava*

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- P22** Effect of different cooking techniques on the quality characteristics of cruciferous vegetables –broccoli and white cauliflower
Andreea Petruța Ochiană, Dana Iulia Moraru, Oana –Viorela Nistor, Doina – Georgeta Andronoiu, Gabriel – Dănuț Mocanu - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Faculty of Food Science and Engineering, „Dunarea de Jos” University of Galați, Galați, Romania*
- P23** Influence of brine type and fermentation time on quality characteristics of pickled apples
Nicoleta Balan, Oana Emilia Constantin, Doina – Georgeta Andronoiu, Oana –Viorela Nistor, Gabriel – Dănuț Mocanu - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Faculty of Food Science and Engineering, „Dunarea de Jos” University of Galați, Galați, Romania*
- P24** Assessing the quality of three different types of garlic jam by using some physico-chemical analysis and sensory analysis
Mihaela Cazacu, Ducu-Sandu Ștef, Ramona Cristina Hegheduș-Mîndru, Gabriel Hegheduș-Mîndru, Diana Veronica Dogaru, Mihaela Ostan - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P25** Assessing the quality of three different types of duck liver pate using physico-chemical parameters and sensory analysis
Mihaela Cazacu, Ducu-Sandu Ștef, Ramona Cristina Hegheduș-Mîndru, Gabriel Hegheduș-Mîndru, Diana Verinica Dogaru, Mihaela Ostan - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine „King Michael I of Romania” from Timisoara, Romania*
- P26** Revaluating carrots pomace – technological variants to enhance food quality
Doina Georgeta Andronoiu, Mădălina Bitere, Oana Viorela Nistor, Gabriel Dănuț Mocanu, Tănase (Butnariu) Luiza - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Faculty of Food Science and Engineering, „Dunarea de Jos” University of Galați, 111 Domnească Street, 800201, Galați, Romania*
- P27** Study of the role of fresh fruits and fruit products (jams) on human health
Ducu Sandu Ștef, Corina Miscă, Nicoleta Gabriela Hădărugă, Mirela Viorica Popa, Mihaela Cazacu, Delia-Gabriela Dumbravă, Camelia Moldovan, Hegheduș-Mîndru Ramona, Gabriel Bujancă, Lavinia Ștef - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P28** Active wine yeast biomass obtained through biotechnological process
Mihai Frîncu, Corina Dumitrache, Mihaela Begea, Răzvan Ionuț Teodorescu, Diguta Camelia Filofteia, Cornel Daniel Banita, Valerica Tudor, Alexandru Cîric, Ioana Simona Marculescu, Iuliana Diana Bărbulescu - *Pharmacorp Innovation SRL, 313 Splaiul Unirii, 030138 Bucharest, Romania*
- P29** Sensory Traits and Consumer’s Perceived Quality of 22 Traditional and Modern Apples Genotypes
Andruța E. Mureșan, Andreea Pușcaș, Anda E. Tanislav, Mădălina Militaru, Adriana F. Sestraș, Romina A. Marc Vlaic, Crina C. Mureșan, Vlad Mureșan, Radu Sestraș - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 3-5 Calea Mănăștur Street, 400372 Cluj-Napoca, Romania*

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Section: Food Chemistry, Engineering & Technology

- P30** Phenolic Content and Antioxidant Activity of 22 Different Apples Genotypes Grown in Romania
Andruța E. Mureșan, Andreea Pușcaș, Anda E. Tanislav, Madălina Militaru, Adriana F. Seștraș, Romina A. Marc Vlaic, Floricuța Ranga, Vlad Mureșan, Radu Seștraș - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 3-5 Calea Mănăștur Street, 400372 Cluj-Napoca, Romania*
- P31** Processing parameters variation for spreadable creams formulations based on beechnut seeds as sustainable ingredient
Andreea Pușcaș, Anda Tanislav, Maria-Ioana Socaciu, Cristina Anamaria Semeniuc, Elena Andruța Mureșan, Alina Maria Truță, Vlad Mureșan - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 3-5 Calea Mănăștur Street, 400372 Cluj-Napoca, Romania*
- P32** Phytochemical characterization of sweet potato purees enriched with fennel/anise aqueous extracts
Luiza-Andreea Tănase (Butnariu), Oana-Viorela Nistor, Doina-Georgeta Andronoiu, Dănuț-Gabriel Mocanu, Elisabeta Botez - *Dunărea de Jos” University of Galati, Faculty of Science and Engineering, 111 Domnească Street, RO-800201, Galati, Romania*
- P33** Prevention and Control of *Legionella* spp. in a food factory
Ana Rita Baptista, **Joana Santos** & Manuela Vaz Velho - *Escola Superior de Tecnologia e Gestão (ESTG), Instituto Politécnico de Viana do Castelo (IPVC), Portugal; CISAS-Centro de Investigação e desenvolvimento em Sistemas Agroalimentares e Sustentabilidade, IPVC, Portugal*
- P34** How to apply maritime pine bark extracts to extend the shelf-life of cured-smoked pork products?
Rui M. D. Rodrigues, Manuela Vaz Velho - *Escola Superior de Tecnologia e Gestão (ESTG), Instituto Politécnico de Viana do Castelo (IPVC), Portugal; Minhofumeiro – Enchidos e Fumados à Moda de Ponte de Lima, Lda., Portugal; CISAS-Centro de Investigação e desenvolvimento em Sistemas Agroalimentares e Sustentabilidade, IPVC, Portugal*
- P35** The effect of rice bran oil coating in the Portuguese “Carolino” rice
Núria Reis, Ricardo Pereira Pinto and Manuela Vaz-Velho - *CISAS - Center for Research and Development in Agrifood Systems and Sustainability, Instituto Politécnico de Viana do Castelo, Rua Escola Industrial e Comercial de Nun’Álvares, 4900-347, Viana do Castelo, Portugal; EDIUS – International PhD School of the USC, University of Santiago de Compostela, 15705 Santiago de Compostela, Spain*
- P36** Chemical and functional properties of spent coffee grounds
Cristina Damian, Sorina Ropciuc, Ana Leahu, Nicolae Carpiuc – *“Stefan cel Mare” University of Suceava, Faculty of Food Engineering, 720229, Universității street, no. 13, Romania; Colegiul Alexandru cel Bun Gura Humorului, Suceava*
- P37** Evaluation of Bioactive Compounds from *Artemisia absinthium* L. herba
Maria-Evelina Bordean, Georgiana Smaranda Martis, Rodica Ungur, Ileana Monica Borda, Carmen Pop, Bettina-Cristina Buican, Sevastița Muste - *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania; Hochschule Geisenheim University (HGU), Von-Lade-Straße 1, 65366, Geisenheim, Germany*

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- P₃₈** Antioxidant properties evaluation of some red beet based fresh juices
Delia-Gabriela Dumbrava, Camelia Moldovan, Diana- Nicoleta Raba, Mirela -Viorica Popa, Corina-Dana Misca, Bogdan Petru Radoi, Mariana-Atena Poiana, Marioara Druga - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Calea Aradului no. 119, 300645 Timisoara, Romania*
- P₃₉** Sensory and physical-chemical characterization of different types of pasta
Corina I. Megyesi, Laura Rădulescu, Cristina Mitroi, Nicoleta G. Hădărugă - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Calea Aradului no. 119, 300645 Timisoara, Romania*
- P₄₀** Vanadium-peroxido materials as catalytic precursors in the oxidation of aromatic substrates
Efrosini Kioseoglou, Antonios Hatzidimitriou, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- P₄₁** Development of vanadium-peroxido-zwitterion double phase catalytic system for the hydroxylation of benzene
Efrosini Kioseoglou, Antonios Hatzidimitriou, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- P₄₂** A mechanical property study of composite biomaterial scaffolds used as substrates in tissue development applications
K. Rogkotis, S. Matsia, L. Koutsotolis, K. Tsirca, A. Pahipetis, A. Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece; Composite and Smart Materials Lab (CSMLab) - Materials Engineering Department, University of Ioannina, Ioannina 45110, Greece*
- P₄₃** Design and synthesis of liposomic nanoparticles in drug delivery
Sevasti Matsia, Athanasios Salifoglou - *Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece*
- P₄₄** Determination of physico-chemical characteristics of some varieties of bread with seed mixtures
Laura Rădulescu (Corpaș), Adrian Riviș, Nicoleta Hădărugă, Corina Iuliana Megyesi, Liana Maria Alda, Despina-Maria Bordean - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P₄₅** Food pH - new selection criterion in the diet of consumers
Veronica Filimon, Iryna Perepelytsia, Simona Butan - *"Dunarea de Jos" University of Galati, Galati, Romania*
- P₄₆** *Moringa oleifera* - nutritional and antimicrobial properties. A review
Aurica Breica Borozan, Despina Maria Bordean, Sorina Popescu, Camelia Moldovan, Delia Dumbrava, Corina Misca, Mirela Popa, Diana Raba, Emilian Madosa - *Faculty of Horticulture and Forestry, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Calea Aradului no. 119, 300645 Timisoara, Romania*

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- P47** A new perspective on the nutritive and bioactive properties of chestnuts flour for use as a functional food ingredient
Ioana-Alina Pop, Ersilia Alexa, Delia-Gabriela Dumbrava, Diana-Nicoleta Raba, Daniela Stoin, Diana Moigradean, Adrian Rivis, Mariana-Atena Poiana - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P48** The role of stabilizers on the physicochemical and organoleptic properties of milk-based ice cream
Florina Radu, Georgeta- Sofia Popescu, Lia-Sanda Rotariu - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P49** Research on the mineral content of different types of dry pasta
Liana Maria Alda, Despina Maria Bordean, Claudia Sirbulescu, Delia Ivani, Daniela Scedei, Marcel Danci, Teodor Cristea, Simion Alda - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P50** Eco-efficient valorification of some by-products in order to obtain gellified products
Andreea Georgiana Manoliu, Silviu Măntăilă, Luiza Andreea Tănase (Butnariu), Doina – Georgeta Andronoiu, Oana –Viorela Nistor, Gabriel – Dănuț Mocanu - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Faculty of Food Science and Engineering, „Dunarea de Jos” University of Galați, Galați, Romania*
- P51** The eating behavior of the Romanian consumer - preliminary study
Silviu Măntăilă, Daniela Țiuleanu, Dana - Iulia Moraru - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Faculty of Food Science and Engineering, „Dunarea de Jos” University of Galați, Domnească Street 111, 800201, Galati, Romania*
- P52** Intermittent fasting-an efficient diet for a healthy body and an active lifestyle for students-short study case
Daniela Țiuleanu, Silviu Măntăilă, Dana - Iulia Moraru - *Department of Food Science, Food Engineering, Biotechnology and Aquaculture, Faculty of Food Science and Engineering, „Dunarea de Jos” University of Galați, Domnească Street 111, 800201, Galati, Romania*
- P53** Food traceability - concept and perceptions in the european context
Viorica – Mirela Popa, Delia – Gabriela Dumbravă, Corina – Dana Mișcă, Camelia Moldovan, Mariana – Atena Poiană, Diana – Nicoleta Raba, Petru – Bogdan Rădoi, Ducu – Sandu Ștef - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P54** The global danger of food insecurity
Viorica – Mirela Popa, Aurica-Breica Borozan, Delia – Gabriela Dumbravă, Nicoleta Gabriela Hădărugă, Corina – Dana Mișcă, Camelia Moldovan, Mariana – Atena Poiană, Diana – Nicoleta Raba - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P55** Proximate composition of noodles with addition of nettle leaf powder (*Urtica Dioica*)
Ariana- Bianca Velciov, Adrian Riviș, Antoanela Cozma, Iasmina-Madalina Anghel, Sofia Popescu, Andreea – Annemarie Kiss, Mărioara Drugă, Maria Rada - *Faculty of Food Engineering, Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*

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- P₅₆** Sensory analysis of classical and flavored beer products – discrimination by PCA multivariate statistical analysis
Cristina Mitroi, Camelia Moldovan, Viorica – Mirela Popa, Delia – Gabriela Dumbravă, Corina I. Megyesi, Laura Rădulescu, Ariana Velcirov, Gabriel Bujancă, Nicoleta Gabriela Hădărugă, Adrian Riviş - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P₅₇** Antioxidant activity and kinetics of cereal pasta functionalized with forest fruits
Simelda Elena Zippenfening, Daniel Ioan Hădărugă, Ariana Velcirov, Gabriel Bujanca, Cristina Mitroi, Adrian Riviş, Ducu Sandu Stef, Nicoleta Gabriela Hădărugă - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P₅₈** The influences of *Aloe Vera* gel added in yoghurt
Camelia Moldovan, Raul Voilă, Corina Dana Mişcă, Mirela Viorica Popa, Aurica Breica Borozan, Diana Nicoleta Raba, Mariana Atena Poiana, Diana Veronica Dogaru, Delia Gabriela Dumbravă - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P₅₉** Obtaining and characterisation of an innovative dessert from nuts
Camelia Moldovan, Despina Maria Bordean, Aurica-Breica Borozan, Diana Veronica Dogaru, Mărioara Drugă, Nicoleta Gabriela Hădărugă, Corina Dana Mişcă, Diana Moigrădean, Mariana-Atena Poiana, Viorica Mirela Popa, Diana-Nicoleta Raba, Bogdan Petru Rădoi, Ducu Sandu Ştef, Delia-Gabriela Dumbravă - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P₆₀** The quantitative methods of water determination in food
Sofia Popescu, Luminiţa Pîrvulescu, Florina Radu, Antoanela Cozma, Ariana Velcirov, Lia Rotariu - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P₆₁** Polyphenols content in some berry fruits from Romania
Sofia Popescu, Luminiţa Pîrvulescu, Florina Radu, Lia Rotariu, Nicoleta Nebancea, Ariana Velcirov - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P₆₂** Pressure. Alternative to thermal processing
Alexandru Rinovetz, Adrian Riviş, Corina Dana Mişcă, Gabriel Hegheduş-Mîndru, Ileana Cocan, Petru Bogdan Rădoi - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*
- P₆₃** The biocatalytic influence of amylase in milling and baking technology
Petru-Iosif Căprioru-Erimescu, Ioan David, Gabriel Bujancă - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*

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- P₆₄** Enzymatic action of protease in cracker biscuits production technology
Anca-Sorina Matei, Ioan David, Gabriel Bujancă - *Faculty of Food Engineering, Banat`s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Aradului Street 119, 300645 Timisoara, Romania*

