

INFORMAȚII PERSONALE



MITREA (căsătorită COT), Laura

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<https://lauramitre4.wixsite.com/succinyst>

Sex: Feminin

Locul/Data nașterii: Baia-Mare (Maramureș) / 04.05.1991

Naționalitate: Română

POZIȚIA CURENTĂ

Asistent Universitar (Disciplina Microbiologie), Doctor în Biotehnologie - Indice

Hirsch: 17 (WOS), 660 citări, Factor de Impact cumulat: 102.619

EXPERIENȚA PROFESIONALĂ

Martie 2023

Asistent Universitar (poz. IIB/11), Facultatea de Știință și Tehnologia Alimentelor, Departamentul II, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca.

Cadru Didactic Asociat, Facultatea de Știință și Tehnologia Alimentelor (Discipline: Biotehnologii alimentare, Biotehnologii speciale, Microbiologie generală, Microbiologie specială, Molecular gastronomy - master GNDA, Usage oriented product design - master MCA, Risk analysis and monitorisation in gastronomy - master GNDA), Facultatea de Zootehnie (Discipline: Multiomics application - master BA), Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca.

2021- Feb. 2023

Cercetător Științific, Institutul de Științele Vieții „Regele Mihai I al României”, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca (România)

Director Proiect Postdoctoral PN-III-P1-1.1-PD-2019-0679: Obținerea acidului succinic din ulei alimentar rezidual cu ajutorul drojdiilor oleofile (*Acronim: SuccinYst*). Finantator: UEFISCDI.

Asistent de cercetare în Biotehnologie pentru Agricultură - în proiect POC/ID P_37_637; manager proiect Monica TRIF. Finantator: UEFISCDI.

2020- Feb. 2023

2020-2022

2016– Septembrie 2020

Membru în echipe de cercetare internaționale

SCAR (RTD/2021/OP/0001), Strategic Analysis and Support for Enhanced Research Cooperation in Agriculture and Food. 2022-2023.

COST Action Yeast4Bio (CA 18229), Non-Conventional Yeasts For The Production Of Bioproducts. 2021-2023.

Marie Skłodowska-Curie Actions, Research and Innovation Staff Exchange (RISE), Call: H2020-MSCA-RISE-2017, Sustainable optimization of the value chain of added-value fresh and dried berries through the integration of precision Agriculture management strategie and innovative dehydration and edible coating, ACRONYM **FRIETS**. 2021-2024.

CASEE fund 2021-2, Bio-system for cereal by-products-derived antioxidants production. 2021-2022.

Manunet III- Non-Act, NOvel Natural Antimicrobial Coatings for food production chain. 2018-2020.

Manunet II-TOMATOCYCLE, 34/14.06.2017. Sustainable exploitation of tomato processing industry by-products. 2017-2020.

Proiect PN-III-P1-1.1-TE-2019-1748. Bio-sistem pentru producția de vanilină din reziduuri cerealiere. Finanțator: UEFISCDI.

Membru în echipe de cercetare naționale

Proiect PN-III-P2-2.1-PED-2019-1723, 386PED/2020. Bioconversia deșeurilor agroindustriale în compuși valoroși pentru aplicații de printare 3d și producere de alimente cu textură modificată. Finantator: UEFISCDI.

Proiect POCU – ACAMED – Academia Cercetătorilor Antreprenori în Medicină pentru cercetătorii doctoranzi și post doctoranzi, seria II (POCU/380/6.13-125171). 2020-2021.

Proiect PN-III-P1-1.2-PCCDI-2017-0473. From classical nutrition to precision nutrition in animal breeding, the scientific basis for ensuring the nutritional security of the population. Finantator: UEFISCDI.

Proiect PN-III-P2-2.1-PED-2016-0627. Nutraceutical lycopene produced by biotechnological processes from natural agro-industrial residues with applications in the food industry. Finantator: UEFISCDI.

Proiect PN-III-P1-1.2-PCCDI-2017-0056. Functional collaboration model between public research organizations and the economic environment in order to provide high level of scientific and technological services in the field of bioeconomy. Finantator: UEFISCDI.

Proiect PN-III-P1-1.1-TE-2016-0661. Sugar reduction and biodisponibility increase of the bioactive compounds found in food by-products, in sweet bakery product. Finantator: UEFISCDI.

Proiect PN-III-P1-1.1-TE-2016-1907. Smart Polyelectrolyte Multilayer Capsules for Controlled Release of Bioactive Compounds. Finantator: UEFISCDI.

Proiect PN-II-RU-TE-2014-4-2211. Microencapsulated plasmonic nanoparticles for controlled release of bioactive molecules. Finantator: UEFISCDI.

EDUCAȚIE ȘI FORMARE

Iulie 2020

Modul Pedagogic Nivel II

Departamentul de Pregătire a Personalului Didactic. Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca (România)

10 Octombrie 2019

Susținerea Publică a Tezei de Doctorat în Domeniul Biotehnologii.

Tema de cercetare - *Bioconversia sub-produselor vegetable în produși alimentari cu valoare adăugată*. Conducător științific: Prof. dr. Dan Cristian VODNAR. Calificativ: EXCELENȚĂ. Școala Doctorală de Inginerie și Științe Agricole, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca (România).

Mai 2018

Practică „Chromatography: Determination of Aflatoxin B1 content in animal feed by HPLC. Determination of organochlorurate pesticides content in animal feed through GC-MS. Pesticides screening from animal feed through LC-MS/MS”. Cromatec Plus S.R.L., București (România).

Martie-Mai 2016

Mobilitate Erasmus - Elaborarea Lucrării de Dizertație. Tema de cercetare: „Modulation of Nurr 1 gene and protein expression in a PC12 cell line: evaluation of efficacy of dietary

supplements". Conducători științifici: Prof. dr. Rosita GABBIANELLI, Prof. dr. Ramona SUHAROSCHI. Școala de Farmacie, Departamentul de Biologie Moleculară, UNICAM, Camerino (Italia).

- 2014-2016** **Diplomă de Master in Gastronomie, Nutriție și Dietetică.** Titlul tezei de dizertație: „Modulation of Nurr 1 gene and protein expression in a PC12 cell line: evaluation of efficacy of dietary supplements”. Conducători științifici: Prof. dr. Rosita GABBIANELLI, Prof. dr. Ramona SUHAROSCHI. Facultatea de Știință și Tehnologia Alimentelor, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca (România).
- 2010-2014** **Diplomă de Licență în Controlul și Securitatea Produselor Alimentare.** Titlu proiect de diplomă: „Comparative biochemical analysis of nutrients in eggs from different bird species”. Conducători științifici: Prof. dr. Cristina ȘTEFĂNUȚ; Prof. dr. Sanda ANDREI. Facultatea de Medicină Veterinară, Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca (Romania).
- 2010-2013** **Modul Pedagogic Nivel I**
Departamentul de Pregătire a Personalului Didactic. Universitatea de Științe Agricole și Medicină Veterinară, Cluj-Napoca (România).
- 2006-2010** **Absolvent în Biologie și Chimie**
Liceul Teoretic „Emil Racoviță”, Profilul de Biologie și Chimie, Baia-Mare, Maramureș (România).

COMPETENȚE PERSONALE

Limbă maternă	Limbi străine	Română			
		Înțelegere	Vorbire		Scriere
		Ascultare	Citire	Coversație	Exprimare
	Engleză	B2	B2	B2	B2
	Franceză	A2	A2	A1	A1

Nivel: A1 - începător, A2 - începător plus, B1 - intermediu, B2 - intermediu plus, C1 - avansat, C2 - avansat plus.

- Abilități de comunicare și sociale** Bune abilități de comunicare dobândite prin experiența mea cadru didactic; Foarte organizată, orientată spre detaliu; Abilitatea de a lucra sub presiune; Punctuală în activități de echipă; Dinamism, seriozitate; Perseverență, flexibilitate și competitivitate; Spirit de echipă.
- Abilități legate de locul de muncă** Abilități aferente microbiologiei și biotecnologiei: cultivarea microorganismelor, manipularea bioreactoarelor, formularea de pudre probiotice (spray-drying), izolarea și purificarea metaboliștilor, analiza metaboliștilor prin metoda HPLC; Abilități de scriere a articolelor științifice.
- Competențe digitale** Microsoft Office (Word, Excel, PowerPoint, Acces); ChemDraw; Prism GraphPad, AdobeIllustrator, BioRender.
- Permis de conducere** Categorie B.

- **Laura MITREA**, M. MEDELEANU, C.R. POP, A.M. ROTAR, D.C. VODNAR. **2023**. Biotics (Pre-, Pro-, Post-) and Uremic Toxicity: Implications, Mechanisms, and Possible Therapies. *TOXINS*, 15(9), 548; *Q2, I.F.* 4.2, <https://www.mdpi.com/2072-6651/15/9/548>.
- **Laura MITREA**, L.F. CĂLINOIU, B.E. TELEKY, K. SZABO, G.A. MARTĂU, B-E. ȘTEFĂNESCU, F.V. DULF, D.C. VODNAR. **2022**. Waste cooking oil and crude glycerol as efficient renewable biomass for the production of platform organic chemicals through oleophilic yeast strain of *Yarrowia lipolytica*. *ENVIRONMENTAL TECHNOLOGY & INNOVATION*, 102943. *Q1, I.F.* 7.758, <https://doi.org/10.1016/j.eti.2022.102943>.
- **Laura MITREA**, S.A. NEMES, K. SZABO, B.E. TELEKY, D.C. VODNAR. **2022**. Guts Imbalance Imbalances the Brain: A Review of Gut Microbiota Association with Neurological and Psychiatric Disorders. *FRONTIERS IN MEDICINE*, 9:813204. *Q1, I.F.5.091*, doi: 10.3389/fmed.2022.813204.
- **Laura MITREA**, B.E. TELEKY, L.F. LEOPOLD, S.A. NEMES, D. PLAMADA, F.V. DULF, I.D. POP, D.C. VODNAR. **2022**. The physicochemical properties of five vegetable oils exposed at high temperature for a short-time-interval. *JOURNAL OF FOOD COMPOSITION AND ANALYSIS*, 104305, *Q1, I.F.* 4.556. DOI: <https://doi.org/10.1016/j.jfca.2021.104305>.
- **Laura MITREA**, L.F. LEOPOLD, C. BOUARI, D.C. VODNAR. **2020**. Separation and purification of biogenic 1,3-propanediol from fermented glycerol through flocculation and strong acidic ion-exchange resin. *BIOMOLECULES*, 10, 1601, *Q2, I.F.* 4.879. DOI: 10.3390/biom10121601.
- **Laura MITREA**, M. TRIF, D.C. VODNAR. **2020**. The effect of crude glycerol impurities on 1,3-propanediol biosynthesis by *Klebsiella pneumoniae* DSMZ 2026. *RENEWABLE ENERGY*, 153, 1418-1427, *Q1, I.F.* 6.274. DOI: <https://doi.org/10.1016/j.renene.2020.02.108>.
- **Laura MITREA**, L.F. CĂLINOIU, G.A. MARTĂU, K. SZABO, B.E. TELEKY, V. MUREŞAN, A.V. RUSU, C.T. SOCOL, D.C. VODNAR. **2020**. Poly(vinyl alcohol)-based biofilms plasticized with polyols and colored with pigments extracted from tomato by-products. *POLYMERS*, 12, 532. *Q1, I.F.* 3.426. DOI: 10.3390/polym12030532.
- **Laura MITREA**, D.C. VODNAR. **2019**. *Klebsiella pneumoniae*—A Useful Pathogenic Strain for Biotechnological Purposes: Diols Biosynthesis under Controlled and Uncontrolled pH Levels. *PATHOGENS*, 8,293. *Q2, I.F.* 3.018. DOI: 10.3390/pathogens8040293.
- **Laura MITREA**, F. RANGA, F. FETEA, F.V. DULF, A. RUSU, M. TRIF, D.C. VODNAR. **2019**. Biodiesel-Derived Glycerol Obtained from Renewable Biomass - A Suitable Substrate for the Growth of *Candida zeylanoides* Yeast Strain ATCC 2036. *MICROORGANISMS*, 7,265. *Q2, I.F.* 4.152. DOI: 10.3390/microorganisms7080265.
- **Laura MITREA**, M. TRIF, A-F. CĂTOI, D-C. VODNAR, **2017**. Utilization of biodiesel derived-glycerol for 1,3-PD and citric acid production. *MICROBIAL CELL FACTORIES*, 16,190. *Q1, I.F.* 4.676. DOI: 10.1186/s12934-017-0807-5.
- **Laura MITREA**, L-F. CĂLINOIU, G. PRECUP, M. BINDEA, B. RUSU, M. TRIF, B-E. ȘTEFĂNESCU, I-D. POP, D-C. VODNAR, **2017**. Isolated Microorganisms for Bioconversion of Biodiesel-Derived Glycerol Into 1,3-Propanediol. *BULLETIN UASVM*

FOOD SCIENCE AND TECHNOLOGY, 74,2. ISI Journal. DOI: 10.15835/buasvmcn-fst: 0014.

- **Laura MITREA**, L-F. CĂLINOIU, G. PRECUP, M. BINDEA, B. RUSU, M. TRIF, L-J. FERENCZI, B-E. ȘTEFĂNESCU, D-C. VODNAR, **2017**. Inhibitory Potential Of *Lactobacillus plantarum* on *Escherichia coli*. *BULLETIN UASVM FOOD SCIENCE AND TECHNOLOGY*, 74,2. ISI Journal. DOI: 10.15835/buasvmcn-fst: 0031.

Articole publicate – co-autor (15)

- Diana PLAMADA, B-E. TELEKY, S-A. NEMEŞ, **L. MITREA**, K. SZABO, L-F. CĂLINOIU, S-M. PASCUTA, R-A.VARVARA, C. CIONT, G-A. MARTAU, E. SIMON, G. BARTA, F-V. DULF, D-C. VODNAR, M. NITESCU. **2023**. Plant-Based Dairy Alternatives—A Future Direction to the Milky Way. *FOODS*, 12 (9), 1883; Q2, I.F. 5.561. <https://doi.org/10.3390/foods12091883>.
- Dan-Cristian VODNAR, L-F. CALINOIU, **L. MITREA**. **2022**. Editorial: Exploiting the effect of dietary fibre on the gut microbiota in patients with pelvic radiotherapy. *BRITISH JOURNAL OF CANCER*, 127, 1575-1576, Q1, I.F. 8.326. <https://doi.org/10.1038/s41416-022-01993-2>.
- Katalin SZABO, **L. MITREA**, L-F. CALINOIU, B-E. TELEKY, G-A. MARTAU, D. PLAMADA, S-M. PASCUTA, S-A. NEMES, R-A.VARVARA, D-C. VODNAR. **2022**. Natural Polyphenol Recovery from Apple-, Cereal-, and Tomato-Processing By-Products and Related Health-Promoting Properties. *MOLECULES*, 27(22), 7977. Q2, I.F. 4.927. <https://doi.org/10.3390/molecules27227977>.
- Bernadette-Emoke TELEKY, **L. MITREA**, D. PLAMADA, S-A. NEMES, L-F. CALINOIU, S-M. PASCUTA, R-A.VARVARA, K. SZABO, P. VAJDA, C. SZEKELY, G-A. MARTAU, E. SIMON, F. RANGA, D-C. VODNAR. **2022**. Development of Pectin and Poly(vinyl alcohol)-Based Active Packaging Enriched with Itaconic Acid and Apple Pomace-Derived Antioxidants. *ANTIOXIDANTS*, 11, 9:1729. Q1, I.F. 7.886. <https://doi.org/10.3390/antiox11091729>.
- Stefana-Mihaela PASCUTA, R-A.VARVARA, B-E. TELEKY, K. SZABO, D. PLAMADA, S-A. NEMES, **L. MITREA**, G-A. MARTAU, C. CIONT, L-F. CALINOIU, G. BARTA, D-C. VODNAR. **2022**. Polysaccharide-Based Edible Gels as Functional Ingredients: Characterization, Applicability, and Human Health Benefits. *GELS*, 8, 8:524. Q1, F. 5.523. <https://doi.org/10.3390/gels8080524>.
- Bianca-Eugenia ȘTEFĂNESCU, S-A. NEMES, B-E. TELEKY, L-F. CĂLINOIU, **L. MITREA**, G-A. MARTĂU, K. SZABO, M. MIHAI, D-C. VODNAR, AND GIANINA CRIȘAN. **2022**. Microencapsulation and Bioaccessibility of Phenolic Compounds of Vaccinium Leaf Extracts. *ANTIOXIDANTS*, 11, 4: 674. Q1, I.F. 6.313. <https://doi.org/10.3390/antiox11040674>.
- Elemer SIMON, L.F. CĂLINOIU, **L. MITREA**, D.C. VODNAR. **2021**. Probiotics, Prebiotics, and Synbiotics: Implications and Beneficial Effects against Irritable Bowel Syndrome. *NUTRIENTS*, 13,2112, Q1. I.F. 5.717, <https://doi.org/10.3390/nu13062112>.
- Dan-Cristian VODNAR, **L. MITREA**, B-E. TELEKY, K. SZABO, L-F. CĂLINOIU, S-A. NEMEŞ, G-A. MARTĂU. **2020**. Coronavirus Disease (COVID-19) Caused by (SARS-CoV-2) Infections: A Real Challenge for Human Gut Microbiota. *FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY*,10,786, Q1. I.F. 5.293. DOI: 10.3389/fcimb.2020.575559.
- Katalin SZABO, B-E. TELEKY, **L. MITREA**, L-F. CĂLINOIU, A-G. MARTĂU, E. SIMON, R-A. VARVARA, D-C. VODNAR. **2020**. Active Packaging – Poly(Vinyl Alcohol) Films Enriched with Tomato By-Products Extract. *COATINGS*, 10,141, Q2, I.F. 2.436. DOI:10.3390/coatings10020141.

- Monica TRIF, D-C. VODNAR, **L. MITREA**, A-V. RUSU, C-T. SOCOL, **2019**. Design and Development of Oleoresins Rich in Carotenoids Coated Microbeads. *COATINGS*, 9,235, Q2, I.F. 2.436. DOI:10.3390/coatings9040235.
- Lavinia-Florina CĂLINOIU, **L. MITREA**, G. PRECUP, M. BINDEA, B. RUSU, K. SZABO, F-V. DULF, B-E. ȘTEFĂNESCU, D-C. VODNAR, **2018**. Sustainable use of agro-industrial wastes for feeding 10 billion people by 2050. *PROFESSIONALS IN FOOD CHAINS*, 482–486, BDI Journal. DOI: https://doi.org/10.3920/978-90-8686-869-8_76.
- Gabriela PRECUP, A-M. PĂCURAR, L-F. CĂLINOIU, **L. MITREA**, B. RUSU, K. SZABO, M. BINDEA, B-E. ȘTEFĂNESCU, D-C. VODNAR, **2018**. Ethical perspectives on molecular gastronomy: food for tomorrow or just a food fad? *PROFESSIONALS IN FOOD CHAINS*, 192-195; BDI Journal. DOI: https://doi.org/10.3920/978-90-8686-869-8_29.
- Lavinia-Florina CĂLINOIU, **L. MITREA**, G. PRECUP, M. BINDEA, B. RUSU, F-V. DULF, B-E. ȘTEFĂNESCU, D-C. VODNAR, **2017**. Characterization of Grape and Apple Peel Wastes' Bioactive Compounds and Their Increased Bioavailability After Exposure to Thermal Process. *BULLETIN UASVM FOOD SCIENCE AND TECHNOLOGY*, 74,2, ISI Journal. DOI:10.15835/buasvmcn-fst: 0028.
- Gabriela PRECUP, L-F. CĂLINOIU, **L. MITREA**, M. BINDEA, B. RUSU, B-E. ȘTEFĂNESCU, D-C. VODNAR, **2017**. The Molecular Restructuring of Classical Desserts by Using Food Industry By-Products. *BULLETIN UASVM FOOD SCIENCE AND TECHNOLOGY*. 74,2, ISI Journal. DOI:10.15835/buasvmcn-fst: 0032.
- Cristina ȘTEFĂNUȚ, **L. MITREA**, L. OGNEAN, **2015**. Effects of Probiotics, Prebiotics and Synbiotics on Some Hematological and Microbiological Parameters in Laboratory Mice. *BULLETIN UASVM VETERINARY MEDICINE*. 72,2, BDI Journal. DOI:10.15835/buasvmcn-vm: 11435.

Capitole de carte publicate - prim autor (1)

- **Laura MITREA**, L-F. CĂLINOIU, B-E. TELEKY, K. SZABO, A-G. MARTĂU, S-A. NEMES, D. PLAMADA, M-S. PASCUTA, G. BARTA, R-A. VARVARA, D-C. VODNAR. Chapter 3 - Fruit and vegetable wastes for biobased chemicals. In *Fruit and Vegetable Waste Utilization and Sustainability*. **2023**, ACADEMIC PRESS. <https://doi.org/10.1016/B978-0-323-91743-8.00015-0>.

Capitole de carte publicate - co-autor (6)

- Lavinia-Florina CALINOIU, **L. MITREA**, B-E. TELEKY, K. SZABO, A-G. MARTĂU, S-A. NEMES, D. PLAMADA, M-S. PASCUTA, G. BARTA, R-A. VARVARA, B-E. STEFANESCU, D-C. VODNAR. Chapter 4 - Fruit and vegetable waste and by-products for pigments and color. In *Fruit and Vegetable Waste Utilization and Sustainability*. **2023**, ACADEMIC PRESS. <https://doi.org/10.1016/B978-0-323-91743-8.00011-3>.
- Bernadette-Emoke TELEKY, **L. MITREA**, L-F. CĂLINOIU, A-G. MARTĂU, D-C. VODNAR. Microbial Processes to Produce Food Ingredients and Products. In *Reference Module in Food Science*. **2023**, ELSEVIER. <https://doi.org/10.1016/B978-0-12-823960-5.00087-1>.
- Gabriela PRECUP, **L. MITREA**, L-F. CĂLINOIU, A-G. MARTĂU, A-S. NEMEŞ, B-E. TELEKY, V. COMAN, D-C. VODNAR. Food processing by-products and molecular gastronomy. In *Gastronomy and Food Science*. **2021**, 137-163. ELSEVIER. <https://doi.org/10.1016/B978-0-12-820057-5.00008-X>.

- Dan-Cristian VODNAR, **L. MITREA**, L-F. CĂLINOIU, K. SZABO, B-E. ȘTEFĂNESCU. Removal of bacteria, viruses, and other microbial entities by means of nanoparticles. In *Advanced Nanostructures for Environmental Health*. **2020**, 465-491. ELSEVIER. <https://doi.org/10.1016/B978-0-12-815882-1.00011-2>.
- Vasile COMAN, B-E. TELEKY, **L. MITREA**, G-A. MARTĂU, K. SZABO, L-F. CĂLINOIU, D-C. VODNAR. Bioactive potential of fruit and vegetable wastes. In *Advances in Food and Nutrition Research*. **2019**, ACADEMIC PRESS. <https://doi.org/10.1016/bs.afnr.2019.07.001>.
- Dan-Cristian VODNAR, L-F. CĂLINOIU, **L. MITREA**, G. PRECUP, M. BINDEA, A-M. PĂCURAR, K. SZABO, B-E. ȘTEFĂNESCU. A New Generation of Probiotic Functional Beverages Using Bioactive Compounds From Agro-Industrial Waste. In *Functional and Medicinal Beverages*. **2019**, 483-528. ELSEVIER. <https://doi.org/10.1016/B978-0-12-816397-9.00015-7>.

Brevete (OSIM) (2)

1. **Cerere de brevet OSIM nr A/00147 din 23.03.2020.** Compoziția și procedeul de obținere a acidului citric biogenic microîncapsulat.

Autori: Vodnar Dan Cristian, **Mitrea Laura**, Dulf Francisc Vasile, Trif Monica, Socaci Sonia, Pop Oana Lelia, Simon Elemer, Vodnar (Ştefănescu) Bianca Eugenia.

2. **Cerere de brevet OSIM nr A/00148 din 23.03.2020.** Compoziția și procedeul de obținere a 1,3-Propandiolului biogenic microîncapsulat.

Autori: Vodnar Dan Cristian, **Mitrea Laura**, Dulf Francisc Vasile, Trif Monica, Socaci Sonia, Pop Oana Lelia, Simon Elemer, Vodnar (Ştefănescu) Bianca Eugenia.

Participări conferințe (24 participări; 17 ca prim autor)

Laura MITREA, S-A. NEMES, D. PLAMADA, M-S. PASCUȚA, A. VARVARA, E. SIMON, D-C. VODNAR, F-V. DULF, **2022**. Integrated model for obtaining an innovative product for people with metabolic disorders – AmberCaps. 23-24 Iunie 2022, 12th CASEE Conference: "Sustainable agriculture in the context of climate change and digitalization“, Prague, Czech – ORAL PRES (online).

- **Laura MITREA**, B-E. TELEKY, S-A. NEMES, D-C. VODNAR, F-V. DULF, **2022**. Biogenic succinic acid encapsulated in bio-polymeric matrices for technological stability and nutritional effectiveness. 15-16 Aprilie 2022. V-FOOD. ‘2nd Edition of Food Science & Technology Virtual’.– PRELEGERE (online).

- **Laura MITREA**, **2021**. Aplicarea tehniciilor de bioprocесare, pentru valorificarea uleiului alimentar rezidual. 22-26 Noiembrie 2021. INOVALIMENT. Primul Târg Internațional de Invenții și Inovații din domeniul alimentar. – PRELEGERE (online).

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Membră în comitete editoriale

- *Microorganisms* (MDPI journal) – I.F. 4.152 – Special issue ‘Food Fermentations’ – Guest editor.
- *Catalysts* (MDPI journal) – I.F. 4.146 – Special issue ‘Current state-of-the-art of Biocatalysts in the Food Sector’ – Guest editor.

- *Journal of Food Quality* – (WILEY/HINDAWI journal) – I.F. 1.763 – Special issue ‘Microbial production of naturally occurring reduce calorie sweeteners’ – Guest editor.
- *Reactions* (MDPI journal) – Topic editor.
- *Polymers* (MDPI journal) – I.F. 4.967 – Special issue ‘Biocompatibility, Biodegradability, Bioadhesiveness, Bio-based polymers’ – Guest editor.
- *Frontiers in Sustainable Food Systems* (FRONTIERS journal) – Topic editor.

Recenzor științific - *Bulletin of UASMV Cluj-Napoca. Food Science and Technology* – ISI journal.

- *Current Research in Nutrition and Food Science* - I.F. 0.860.
- *Coatings* (MDPI journal) - I.F. 2.436.
- *Catalysts* (MDPI journal) I.F. 3.520.
- *Environmental Science and Pollution Research* (SPRINGER journal), - I.F. 3.056
- *Chemosphere* (ELSEVIER journal), -I.F. 5.778
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- *Frontiers in Nutrition* (FRONTIERS journal) – I.F. 6.576
- *Frontiers in Neurology* (FRONTIERS journal) – I.F. 4.003
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- *Mențiune specială* - Tineri cercetători în știință și inginerie (ediția a 8-a) ‘**Premiile Rada Mihalcea**’, Primăria Cluj-Napoca (29 Iulie 2022).

- *Premiul II – Model integrat de obținere a unui produs inovativ destinat persoanelor cu afecțiuni metabolice – AmberCaps* - INOVALIMENT - Primul Târg Internațional de Invenții și Inovații din domeniul alimentar (22-26 Noi. 2021, București).

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