



FIȘĂ DE CERCETARE

Nume și prenume: MATEI Florentina

Grad didactic: Profesor

DOMENII DE COMPETENȚĂ

- Microbiologie alimentară
- Biotehnologii fermentative
- Siguranța alimentară

INTERESE DE CERCETARE

- Probiotice și postbiotice
- Alimente funcționale
- Antagonism microbian
- Mecanisme de dezvoltare a rezistenței la antibiotice la bacteriile patogene
- Obținere de biomasă proteică

VALOARE INDICI HIRSCH

WEB OF SCIENCE	13
SCOPUS	12
GOOGLE SCHOLAR	19

PROIECTE

Denumire proiect	Durăță	Valoare totală	Tip proiect	Calitate	Rezultate
Local food and tourism in marginal areas: roots, routes and digitalisation	02-07. 2025	6400 euro	Erasmus+ 2024-1-RO01-KA131-HED-000204146-2	Responsabil proiect	Program BIP pentru staff
Establishment of an Observatory on Tourism in Mountain Refuges	04.2025-04.2026	5000 euro	Erasmus+ UNITA Starting Grants - Cultural Heritage	Responsabil proiect	Workshop Înființarea unui Observator al Turismului în Cabane și Refugii Montane 07.11.2025
Green Education for Green Biotech Enterprise	04.2021 – 04. 2023	265.000 euro	Erasmus+ 2021-1-RO01-KA220-HED-000032162	Manager de proiect	Ghiduri, materiale educaționale Green education
Exploatarea biodiversitatii locale de drojdii la producerea vinului”,	08.2021-07. 2023	495000 lei	EUREKA 258/18.08.2021, PN-III-P3-3.5-EUK-2019-0213	Membru echipă	3 articole WoS

ARTICOLE

REVISTE

- Aldea A.C., Diguță F.M., Presacan O., Voaides C., Toma R.C., **Matei F.** (2025) Detecting antibiotic resistance: classical, molecular, advanced bioengineering, and AI-enhanced approaches. *Frontiers in Microbiology*, Accepted for public (IF= 4.5).
- Diguță F.C., Toma R.C., **Matei F.** (2025) In Vitro Evaluation of Halotolerant *Bacillus velezensis* 24.5 as a Promising Probiotic with Broad-Spectrum Antimicrobial Activity. *Microorganisms*. ; 13(10):2240. <https://doi.org/10.3390/microorgnisms13102240> (IF = 4,2).
- Manolica A.M., Radoi-Encea R.S., Padureanu V., **Matei F.** (2025). Non – *Saccharomyces* yeast as an alternative source for probiotics and prebiotics – a review. *Scientific Papers. Series D. Animal Science*, LXVIII (2), xxxxx, (IF =0.3)
- Pristavu M.-C., Diguță F.C., Aldea A.C., Badea .F, Dragoi Cudalbeanu M., Ortan A., **Matei F.** (2025). Functional Profiling of *Enterococcus* and *Pediococcus* Strains: An In Vitro Study on Probiotic and

5. Vrînceanu C.-R.; Diguță F.C.; Cudalbeanu M.D.; Ortan A.; Mihai, C.; Bărbulescu I.D.; Frîncu M.; Begea, M.; **Matei F.**; Teodorescu R.I. (2025). Exploring the Potential of *Torulaspora delbrueckii*, *Starmerella bacillaris*, and *Saccharomyces cerevisiae* as a Probiotic Starter for Craft Beer Production. *Foods*, 14, 1608. <https://doi.org/10.3390/foods14091608> (IF = 4.7).
6. Măzărel A, Rădoi-Encea R-Ș, Pădureanu V, Maier A, **Matei F.** The Influence of Different Cooking Techniques on the Biochemical, Microbiological, and Sensorial Profile of Fish-Based Catering Products. *Applied Sciences*. 2025; 15(8):4417. <https://doi.org/10.3390/app15084417> (IF= 2,3).
7. El Megdar S., Laktib A., Elkheloui R., Abou Oualid H., Diguța C.F., **Matei F.**, Gangloff S., Reffuveille F., Msanda F., Hassi M., Hamadi F. (2025). Optimizing *Lavandula mairei*-Mediated Silver Nanoparticle Synthesis for Effective Inhibition and Eradication of Multidrug-Resistant Bacterial Biofilms. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 136544, ISSN 0927-7757, <https://doi.org/10.1016/j.colsurfa.2025.136544> (IF= 4,9).
8. Camara F., Coulibaly W.H., Mian T.M.A.S., Ahoussi K.J.B., Coulibaly, S., Varadarajan V., **Matei, F.** (2025). Household Production of Cookies from Sorghum (*Sorghum bicolor*) with a Low Glycaemic Index in Prevention and Management of Type 2 Diabetes in Côte d'Ivoire. *Current Nutrition & Food Science*, 21(3), 341-349. DOI :10.2174/0115734013307493240627033411.
9. Dinu L.D., Gatea F., **Matei F.**, Banciu C., Vamanu E. (2024). Gut Microbiota Modulation by Selenium and Zinc Enrichment Postbiotic on Dysbiosis Associated with Hypertension. *Current Vascular Pharmacology*, 22, 365-374. (IF = 4,5). doi: 10.2174/0115701611290537240509061549
10. Kouadio N.J., Zady A.L.O., Kra K.A.S., Diguță F.C., Niamke S., Matei F. (2024). In Vitro Probiotic Characterization of *Lactiplantibacillus plantarum* Strains Isolated from Traditional Fermented Dockounou Paste. *Fermentation*. 10(5):264. <https://doi.org/10.3390/fermentation10050264> (IF=3.3)
11. Dinu, L.-D.; Al-Zaidi, Q.J.; Matache, A.G.; **Matei, F.** (2024). Improving the Efficiency of Viability-qPCR with Lactic Acid Enhancer for the Selective Detection of Live Pathogens in Foods. *Foods*, 13, 1021. (IF = 4.7), <https://doi.org/10.3390/foods13071021>.
12. Misu G.A., Canja C.M., Lupu M., **Matei F.** (2024). Advances and Drawbacks of Sous-Vide Technique—A Critical Review. *Foods*, 13(14):2217. <https://doi.org/10.3390/foods13142217> (IF=4.7)
13. Munteanu-Ichim R.-A., Canja C.-M., Lupu M., Bădăraș C.-L., **Matei, F.** (2024). Tradition and Innovation in Yoghurt from a Functional Perspective—A Review. *Fermentation* 10, 357. <https://doi.org/10.3390/fermentation10070357> (IF= 3.3)
14. Ouili A.S., Diguță C.F., Maiga Y., Compaore C.O.T., Ouattara A.S., Israel-Roming F., **Matei F.** (2023). Antifungal activity of *Pediococcus pentosaceus* isolated from Bambara groundnut (*Vigna subterranea* (L.) verdc.) seeds against *Aspergillus flavus*. *AgroLife Scientific Journal*, 12(2), 125–133. <https://doi.org/10.17930/AGL2023217>
15. Constantin E.A., Constantinescu-Aruxandei D., **Matei F.**, Shaposhnikov S., Oancea F. 2023, Biochemical and microbiological characterization of traditional Romanian fermented drinks - socata and borș - a review. *AgroLife Scientific Journal*, 12 (1), 53-61, ISSN 2285-5718, (IF = 0,5). <https://doi.org/10.17930/AGL202317>
16. Ion M., **Matei F.**, Barbu S.P, Brinduse E. (2023). Effect of mixed culture with *Torulaspora delbrueckii* and *Saccharomyces cerevisiae* on physico-chemical and sensory characteristics of young wines. *Sci.Papers. Series B, Horticulture*, LXVII (1), 292-297 (IF = 0,4).
17. Ion M., **Matei F.**, Barbu S.P, Tudor G., Brinduse E. (2023). Monitoring grapes' infection with *Botrytis cinerea* based on laccase activity. *Sci. Papers. Series A, Agronomy*, LXVI (1), 742-747. (IF = 0,4).

18. Boiu-Sicuia, O.-A.; Toma, R.C.; Diguță, C.F.; **Matei, F.**; Cornea, C.P. (2023). *In Vitro* Evaluation of Some Endophytic *Bacillus* to Potentially Inhibit Grape and Grapevine Fungal Pathogens. *Plants*, **12**, 2553. <https://doi.org/10.3390/plants12132553> (IF= 4,5).
19. Padureanu, C.; Badarau, C.L.; Maier, A.; Padureanu, V.; Lupu, M.I.; Canja, C.M.; Branescu, G.R.; Bujor, O.-C.; **Matei, F.**; Poiana, M.A.; et al. (2023). Ultrasound Treatment Influence on Antioxidant Properties of Blueberry Vinegar. *Fermentation*, **9**, 600. <https://doi.org/10.3390/fermentation9070600> (IF = 3,7).
20. Coulibaly W.H., Kouadio N.R., Camara F., Diguta C., **Matei F.** (2023). Functional properties of lactic acid bacteria isolated from Tilapia (*Oreochromis niloticus*) in Ivory Coast. *BMC Microbiol* **23**, 152. <https://doi.org/10.1186/s12866-023-02899-6>. (IF = 4,2).
21. Rădoi-Encea R-Ș, Pădureanu V., Diguță C.F., Ion M., Brîndușe E., **Matei F.** (2023). Achievements of Autochthonous Wine Yeast Isolation and Selection in Romania—A Review. *Fermentation*. **9**(5): 407. <https://doi.org/10.3390/fermentation9050407> (IF = 3,7).
22. Mogmenga I., Somda M.K., Ouattara C.A.T., Keita I., Dabiré Y., Diguță C.F., Toma R.C., Ezeogu L.I., Ugwuanyi J.O., Ouattara A.S., **Matei F.** (2023). Promising Probiotic Properties of the Yeasts Isolated from *Rabilé*, a Traditionally Fermented Beer Produced in Burkina Faso. *Microorganisms*, **11**(3):802. <https://doi.org/10.3390/microorganisms11030802> (IF = 4,5).
23. Diguță C.F.; Mihai C.; Toma R.C.; Cîmpeanu C.; **Matei F.** (2023). *In Vitro* Assessment of Yeasts Strains with Probiotic Attributes for Aquaculture Use. *Foods*, **12**, 124. <https://doi.org/10.3390/foods12010124> (IF = 5,2).
24. Toma R.C.; Boiu-Sicuia O.A.; Diguță C.F.; Ciuca M., **Matei F.**, Cornea C.P. (2023). Selected plant protection *Bacillus* strains increase food safeness by inhibiting human pathogenic bacteria. *Romanian Agricultural Research*, **43**, p.1-9 (IF = 0.7)



FIȘĂ DE CERCETARE

Nume și prenume: Bădăraș Carmen Liliana

Grad didactic: conferențiar universitar

DOMENII DE COMPETENȚĂ

- BIOCHIMIE ALIMENTARĂ
- BIOTEHNOLOGII ALIMENTARE
- VIRUSOLOGIE VEGETALĂ

INTERESE DE CERCETARE

- ANALIZE CALITATE PRODUSE ALIMENTARE
- ADITIVI ALIMENTARI
- TESTE VIROTICE CARTOF
- ENZIMOLOGIE IN DOMENIUL ALIMENTAR
- COLOIZI ALIMENTARI

VALOARE INDICI HIRSCH

WEB OF SCIENCE	3
SCOPUS	4
GOOGLE SCHOLAR	7

PROIECTE

Denumire proiect	Durată	Valoare totală	Tip proiect	Calitate	Rezultate
2849/ 14.03.2016 - Testarea unor indicatori de calitate nutrițională si culinara la genotipuri de cartofi cultivate in diferite variante de fertilizare.	2016-2018	60000	Cercetare științifică	Director	2 articole

ARTICOLE

REVISTE

1. *Optimization of total monomeric anthocyanin and total flavonoid content extractions from purple potato tubers using ultrasonic treatments* Florentina Damsa, Alexandru Woinaroschy, Gheorghe Olteanu, Carmen Liliana Bădărașu Revista: Revista de Chimie (REV CHIM-Bucharest) Vol. 67 , Nr. 4, 2016, pag. 665-669_ISSN:0034-7752
2. *Evaluation of vitamin C content in samples from ten potato cultivars inoculated with potato virus Y (necrotic strains).* *Carmen Liliana BĂDĂRĂȘU, Andreea TICAN , Maria ȘTEFAN , Nicoleta CHIRU, USAMV Scientific Papers. Series A. Agronomy, Vol. LX, 2017, pag 197-202*
3. *Effects of sucrose medium content and sterilant treatment on microbial contamination of sweet potato cultures initiated in vitro.* JurnalBDI:Analele Universității din Craiova, seria Agricultură-Montanologie-Cadastru (Annals of the University of Craiova-Agriculture, Montanology, Cadastre Series, ISSN 1841-8317, Vol. XLVII, No.1 link:<http://anale.agro-craiova.ro/index.php/aamc/index>

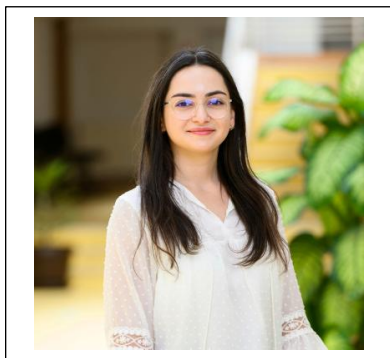
4. *Total Carotenoids Content in 20 Potato Cultivars Grown in Romania* Bulletin of the Transilvania University of Braşov Series II: Forestry ■ Wood Industry ■ Agricultural Food Engineering ■ Vol. 10 (59) No.1 – 2017
5. *The antioxidant activity of several potato cultivars (Braşov 2015-2016)* Bulletin of the Transilvania University of Braşov Series II: Forestry ■ Wood Industry ■ Agricultural Food Engineering ■ Vol. 10 (59) No.2, 2017
6. *Incidence of potato virus "Y" and aphid flights in potato (Braşov, 2014-2016)*, Romanian Agriculture Research, No. 38, 2018
7. *Obtaining minitubers by applying hydroponic culture*, Romanian Agriculture Research, No. 38, 2018
8. *Total content of some antioxidants in ten Romanian potato genotypes*, USAMV Scientific Papers. Series A. Agronomy, Vol. LX, 2017, pag 197-202
9. *Effects of hemp flour, seed and oil additions on bread quality* JurnalBDI:International Journal of Engineering Research and Applications link:<https://www.ijera.co>, 2018
10. *Comparative analysis of total poliphenol content, total flavonoid content and antioxidant potential of four colored flesh potato genotypes* JurnalBDI:Journal of Engineering Research and Applications ISSN 2248-9622, 2018
11. *Cuantification of some antioxidant compounds in raw sweet potato by spectrophotometric method* Jurnal BDI: Journal of Engineering Research and Applications, ISSN 2248-9622, Vol. 8, Issue 4, 2018
12. *Comparative analysis of total antioxidant potential of four purple potato genotypes and several berries fruits*, Analele Universitatii din Craiova, seria biologie, horticultura, tehnologia prelucrării produselor agricole, ingineria mediului ;1453-1275, 2018
13. *"Effects of Several Purple Potato Additions on Bread Quality"*. Bădăraşu Carmen Liliana, Canja Cristina Maria, Damşa Florentina, Mărgean Alina. Revista: "International Journal of Engineering Research and Applications (IJERA)", ISSN:2248-9622, Vol. 6, Issue 4, (Part - 4) April 2016
14. *"The chlorophyll and anthocyanin content of regenerated potato plants obtained from PVX and PVY infected plantlets treated by combined therapies (preliminary studies)"*. Bădăraşu Carmen Liliana, Nistor Andreea, Stroe Florentina. Revista: „Analele Universităţii din Oradea- Fascicula Biologie”, TOM XXII vol. 2, Noembrie 2015
15. *"Behavior of several potato varieties with different starch content to Potato Tuber Necrotic Ringspot Disease (preliminary studies)"*. Bădăraşu Carmen Liliana, Chiru Nicoleta, Damşa Florentina, Mărculescu Angela. Revista: "Bulletin of the Transilvania University" of Brasov - series II: forestry. Wood industry. Agricultural food engineering. ISSN: 2065-2135, 2065-

- 2143 (CD-ROM), BDI: Scopus, EBSCO Publishing DataBase, CAB Direct, (CNCIS B+), 2015, Vol. 8(57), Nr. 1, pag. 43-50.
16. " *The chlorophyll and anthocyanin content of regenerated potato plants obtained from PVX and PVY infected plantlets treated by combined therapies (preliminary studies)*". Bădărașu Carmen Liliana, Nistor Andreea, Stroe Florentina. Revista: „Analele Universității din Oradea - Fascicula Biologie”, TOM XXII, vol. 2, noiembrie 2015, ISSN 1224-5119, BDI: Thompson, CABI, DOAJ, Ex Libris, Index Copernicus, EBSCO Publishing (CNCIS B+), pag. 24 – 32.
 17. *Total content of some antioxidants in ten Romanian potato genotypes*. Bădărașu Carmen Liliana, Maria Floriana ȘTEFAN, Cristina Maria CANJA, Mirabela Ioana LUPU. University of Agronomic Sciences and Veterinary Medicine of Bucharest Faculty of Agriculture, Scientific Papers. Series A. Agronomy, Vol LXI, Nr. 1, 2017. ISSN 2285-5785, pag. 442-447
 18. *Effects of Blueberry and Black Carrot Extracts Addition on Antioxidant Properties and Protein-Precipitating Capacity of Ultrasound-Treated Cider*. Brezan, B.; Bădărașu, C.L.; Woinaroschy, A. *MDPI Processes* **2020**, *8*, 812. **Factor impact: 2,753**
<https://www.mdpi.com/2227-9717/8/7/812>
 19. *The total content of polyphenols and flavonoids of some plants extracts, as potential additions for cider obtaining* Alexandru WOINAROSCHY, Bădărașu Carmen Liliana, Boris BREZAN. University politehnica of Bucharest scientific bulletin series B-Chemistry and materials science (U.P.B. Sci. Bull., Series B) , Vol. 81, Iss. 4, 2019, pag. 23-30, ISSN: 1454-2331 https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full251_996597.pdf
 20. Ultrasound Treatment Influence on Antioxidant Properties of Blueberry Vinegar. Padureanu, C.; Badarau, C.L.; Maier, A.; Padureanu, V.; Lupu, M.I.; Canja, C.M.; Branesco, G.R.; Bujor, O.-C.; Matei, F.; Poiana, M.-A.; et al. *Fermentation* **2023**, *9*, 600. <https://doi.org/10.3390/fermentation9070600>
 21. Optimization of A Procedure to Improve the Extraction Rate of Biologically Active Compounds in Red Grape Must Using High-Power Ultrasound, *Sustainability* **2023**, *15*(8), 6697; <https://doi.org/10.3390/su15086697>
 22. Insights on the Potential of Carob Powder (*Ceratonia siliqua* L.) to Improve the Physico-Chemical, Biochemical and Nutritional Properties of Wheat Durum Pasta *wos:000957441100001 Appl. Sci.* **2023**, *13*(6), 3788; <https://doi.org/10.3390/app13063788>
 23. Tradition and Innovation in Yoghurt from a Functional Perspective—A Review. Roxana Andreea Munteanu - Ichim, Cristina-Maria Canja, Mirabela-Ioana Lupu, Carmen - Liliana Bădărașu, Florentina Matei, Revista: *Fermentation* **2024**, *10*(7), 357; <https://doi.org/10.3390/fermentation10070357>

24. Effect of *Satureja hortensis* essential oils treatments on catalase and peroxidase activity in potato virus S infected potato plants under drought conditions (preliminary studies). **Carmen Liliana Bădărașu**, Mihaela Cioloca, Nina Bărăscu, Roxana Andreea Munteanu-Ichim. Analele Universității din Craiova, seria Agricultură – Montanologie – Cadastru (Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series) Vol. 54/1/2024
25. Aphid surveillance in potato fields: implications for virus management and tuber quality Nina Bărăscu, **Carmen Liliana Bădărașu**, Mihaela Cioloca. 2024. Analele Universității din Craiova, seria Agricultură – Montanologie – Cadastru (Annals of the University of Craiova - Agriculture, Montanology, Cadastre Series) Vol. 54/1/2024
26. The influence of commercial starter cultures on the quality of telemea cheese. Ana M. Manolică, Roxana A. Munteanu-Ichim, Cristina M. Canja, **Carmen L. Bădărașu**, Florentina Matei. Bulletin of the Transilvania University of Brasov Series II: Forestry ■ Wood Industry ■ Agricultural Food Engineering ■ Vol. 17(66) No. 2 – 2024
<https://doi.org/10.31926/but.fwiafe.2024.17.66.2.9>

CONFERINȚE

1. *Antioxidants "hidden" in several Romanian potato varieties and their benefits on human health* 5th International Multidisciplinary Scientific Conference on Social Sciences & Arts SGEM 2018
2. "The 19th triennial Conference of the European Association for Potato Research", 6-11 iulie 2014, Bruxelles, Belgia, "*Effect of some combined therapies on PVY and PVX infected potato plantlets (cv. Roclas)*". Bădărașu Carmen Liliana, Damșa Florentina, Chiru Nicoleta, Nistor Andreea, Cioloca Mihaela, Popa Monica, Gușă Ionela Cătălina.
3. "*Starch content, total L ascorbic acid and carotenoids in 20 varieties of Solanum tuberosum L grown in Romania*". Bădărașu Carmen Liliana, Luiza Mike, Gabriela Mike. The 6th BIOATLAS Conference on Food and Tourism, Global and local Challenges in Food and Tourism, 27-28 May, 2016, Brașov
4. *Non-dairy yoghurt enriched with functional plant - base ingredients - a review*. Munteanu-Ichim, R.-A.; Mîșu, G. A.; Canja, C.-M.; Lupu, M.; Bădărașu, C.-L.; Pădureanu, V.; Matei, F. poster prezentat la conferința Agriculture for life, life for agriculture București, 6-8 iunie 2024



FIȘĂ DE CERCETARE

Nume și prenume: Moja Adelina-Ioana

Grad didactic: Asistent universitar

DOMENII DE COMPETENȚĂ

- INDUSTRIA LAPTELUI
- INDUSTRIA CĂRNII
- SUSTENABILITATE
- OPERAȚII ȘI UTILAJE ÎN INDUSTRIA ALIMENTARĂ

INTERESE DE CERCETARE

- IMPACTUL SCHIMBĂRILOR CLIMATICE ASUPRA INDUSTRIEI ALIMENTARE
- AMPRENTA DE CARBON ÎN INDUSTRIA ALIMENTARĂ
- SUSTENABILITATE ÎN INDUSTRIA ALIMENTARĂ
- TEHNOLOGII EMERGENTE ÎN INDUSTRIA CĂRNII
- ANALIZA UTILAJELOR ȘI PROCESELOR ÎN INDUSTRIA CĂRNII ȘI A LAPTELUI

VALOARE INDICI HIRSCH

WEB OF SCIENCE	0
SCOPUS	0
GOOGLE SCHOLAR	1

ARTICOLE

REVISTE

1. Geronimo Răducu BRĂNESCU, Cristina-Maria CANJA, Alina MAIER, Mirabela Ioana LUPU, **Adelina-Ioana MOJA**, Roxana-Andreea MUNTEANU-ICHIM (2025). Detection of Adulteration and Contaminants in Raw Milk from Small-Scale Farms in Transylvania Using Advanced Analytical Techniques. Vol. 82 No. 1: *BULLETIN OF UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE CLUJ-NAPOCA. FOOD SCIENCE AND TECHNOLOGY*.

CONFERINȚE

2. **Adelina Moja**, Vasile Padureanu, Mirabela Lupu, Alina Maier, Cristina Canja (2024). CARBON FOOTPRINT - IMPORTANT DRIVER OF CLIMATE CHANGE GENERATED BY THE FOOD INDUSTRY. *Scientific Papers. Environmental Engineering*, Vol. XIII, București 2024, ISSN 2285-6064
3. **Adelina Moja**, Cristina Canja, Vasile Pădureanu (2023). CARBON FOOTPRINT IN THE FOOD INDUSTRY. CASE STUDY – MEAT INDUSTRY. *Annals of the Univ. of Craiova-Agriculture Montanology Cadastre Series*, 53(1), p. 182-189 Article 1
4. Brănescu, Geronimo Răducu, Măzărel Adrian, **Moja Adelina**, & Lupu Mirabela (2023). MANAGEMENT OF COMBATING FOOD FRAUD IN THE FIELD OF PUBLIC CATERING. *Annals of the Univ. of Craiova-Agriculture Montanology Cadastre Series*, 53(2), p. 31-36. Article 2.
5. **Adelina Ioana MOJA**, Vasile PĂDUREANU, Cristina CANJA, Geronimo Răducu BRĂNESCU, Gavrilă CALEFARIU (2024). CONSEQUENCES OF INCREASING GREENHOUSE GAS EMISSIONS: CASE STUDY ON THE IMPACT OF THE FOOD INDUSTRY. *Multidisciplinary Conf. on Sustainable Development–Section Food Chemistry, Engineering & Tech.*
6. **Adelina Ioana Moja**, Cristina Canja, Vasile Pădureanu, Roxana Andreea Munteanu-Ichim, Gavrilă Calefariu (2025). Environmental impact assessment of cheese production: a systematic review of life cycle assessment studies. *Journal of Agroalimentary Processes and Technologies* 2025, 31 (2), 136-147, Volume 31, Issue 2;. ISSN: 2069-0053 (print), Agroprint. ISSN (online): 2068-9551.
7. Carmen Liliana BĂDĂRĂU, Mihaela CIOLOCA, Andreea Tican, **Adelina MOJA**, Roxana Andreea MUNTEANU-ICHIM (2025). Evaluation of Peroxydase Activity in Samples From Three Potato Varieties Inoculated With Potato Virus S and M Cultivated Under Drought Conditions. Vol. 6 No. 1 (2025): *Life Science and Sustainable Development*; Pages: 18-23.



FIȘĂ DE CERCETARE

Nume și prenume: Munteanu-Ichim Roxana-Andreea

Grad didactic: Asistent universitar

DOMENII DE COMPETENȚĂ : biochimie, biotehnologii, operații unitare în industria alimentară

INTERESE DE CERCETARE: biochimie, inginerie gastronomică, biotehnologii, dezvoltarea de produse alimentare noi, tehnologii alimentare tradiționale

VALOARE INDICI HIRSCH

WEB OF SCIENCE	1
SCOPUS	1
GOOGLE SCHOLAR	1

ARTICOLE

Munteanu-Ichim, R. A., Canja, C. M., Lupu, M., Bădăraș, C. L., & Matei, F. (2024). Tradition and Innovation in Yoghurt from a Functional Perspective—A Review. *Fermentation*, 10(7), 357. <https://doi.org/10.3390/fermentation10070357>

Roxana-Andreea Munteanu-Ichim, Georgiana Ancuta Misu, Cristina-Maria Canja, Mirabela Lupu, Carmen-Liliana Badarau, Vasile Padureanu, Florentina Matei (2024). NON-DAIRY YOGHURT ENRICHED WITH FUNCTIONAL PLANT-BASED INGREDIENTS - A REVIEW, International Session of Scientific Communications- Scientific Papers. Series D. Animal Science, Vol. LXVII, Issue 2, București 2024, ISSN 2285-5750. https://animalsciencejournal.usamv.ro/pdf/2024/issue_2/vol2024_2.pdf

Georgiana Ancuta Misu, **Roxana-Andreea Munteanu-Ichim**, Cristina Maria Canja, Mirabela Lupu, Florentina Matei (2024). INHIBITORS IN SOUS VIDE COOKING – A CRITICAL REVIEW, International Session of Scientific Communications- Scientific Papers. Series D. Animal Science, Vol. LXVII, Issue 2, București 2024, ISSN 2285-5750. https://animalsciencejournal.usamv.ro/pdf/2024/issue_2/vol2024_2.pdf

Ana – Maria Manolică, **Roxana Andreea Munteanu-Ichim**, Cristina Maria Canja, Carmen Liliana Bădărașu, Florentina Matei (2024). THE INFLUENCE OF STARTER CULTURES ON THE QUALITY OF TELEMEN CHEESE. Bulletin of the Transilvania University of Brasov. Series II: Forestry, Wood Industry, Agricultural Food Engineering. <https://doi.org/10.31926/but.fwiafe.2024.17.66.2.9>

BĂDĂRĂȘU, C. L., CIOLOCA, M., BĂRĂSCU, N., & **MUNTEANU-ICHIM, R. A.** (2024). EFFECT OF SATUREJA HORTENSIS ESSENTIAL OILS TREATMENTS ON CATALASE AND PEROXIDASE ACTIVITY IN POTATO VIRUS S INFECTED POTATO PLANTS UNDER DROUGHT CONDITIONS (PRELIMINARY STUDIES). " *Annals of the University of Craiova-Agriculture Montanology Cadastre Series*", 54(1), 13-18

BRĂNESCU, G. R., CANJA, C. M., MAIER, A., **MUNTEANU-ICHIM, R.A.** & Ioana, M. (2025). Detection of Adulteration and Contaminants in Raw Milk from Small-Scale Farms in Transylvania Using Advanced Analytical Techniques. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Food Science and Technology, 82(1), 96-110.

Munteanu-Ichim, R.-A., Brănescu, G. R., Manolică, A.-M., Maier, A., & Matei, F. (2025). Starter culture influence on the yogurt preservation and safety. Journal of Agroalimentary Processes and Technologies, 31(2), 126–135. <https://doi.org/10.59463/JAPT.2025.2.1>

CIOLOCA, M., BADARAU, C. L., Tican, A., MOJA, A., & MUNTEANU-ICHIM, R. A. (2025). Evaluation of Peroxydase Activity in Samples From Three Potato Varieties Inoculated With Potato Virus S and M Cultivated Under Drought Conditions. LIFE SCIENCE AND SUSTAINABLE DEVELOPMENT, 6(1), 18-23.

CONFERINȚE

- I. 13th Edition of the International Conference "Agriculture for Life, Life for Agriculture", organized by the University of Agronomic Sciences and Veterinary Medicine of Bucharest between 6th and 8th June 2024
- II. Multy Disciplinary Conference on Sustainable Development 15- 16 mai 2025, University of Life Sciences "King Mihai I" Timișoara
- III. 4th International Summer School on Sustainability i3s at OST – Eastern Switzerland University of Applied Sciences in Rapperswil-Jona, between 8-12 september 2025
- IV. 4th International Conference "Life Sciences for Sustainable Development", Cluj-Napoca, Romania, between 25th– 27th September, 2025



FIȘĂ DE CERCETARE

Nume și prenume: Manolică Ana-Maria

Grad didactic: Asistent universitar

DOMENII DE COMPETENȚĂ : biochimie, control sanitar veterinar și pentru siguranța alimentelor.

INTERESE DE CERCETARE : biochimie, tehnologii alimentare generale, proiectarea produselor noi.

VALOARE INDICI HIRSCH

WEB OF SCIENCE	0
GOOGLE SCHOLAR	1

ARTICOLE (se vor prezenta în format APA)

Ana – Maria Manolică, Roxana Andreea Munteanu-Ichim, Cristina Maria Canja, Carmen Liliana Bădăraș, Florentina Matei (2024). THE INFLUENCE OF STARTER CULTURES ON THE QUALITY OF TELEMEEA CHEESE. Bulletin of the Transilvania University of Brasov. Series II: Forestry, Wood Industry, Agricultural Food Engineering. <https://doi.org/10.31926/but.fwiafe.2024.17.66.2.9>

Lupu, M. I., Canja, C. M., Maier, A., Padureanu, V., Branescu, G. R., & Manolica, A. M. (2024). THE IMPACT OF THE INFUSION METHOD OF CHOKEBERRY POWDER IN WHITE TEA. *Carpathian Journal of Food Science & Technology*, 16(4).

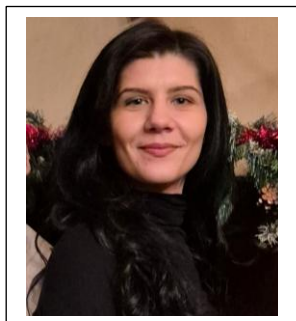
Brănescu G.R., **Manolică A.-M.**, Munteanu-Ichim R.-A., Canja C.M., Matei F. (2025). Evaluation of the Food Safety in the Production of Herb Butter. Journal of Agroalimentary Processes and Technologies. 31(2):155–164. <https://doi.org/10.59463/JAPT.2025.2.4>

Munteanu-Ichim, R.-A., Brănescu, G. R., **Manolică, A.-M.**, Maier, A., & Matei, F. (2025). Starter culture influence on the yogurt preservation and safety. Journal of Agroalimentary Processes and Technologies, 31(2), 126–135. <https://doi.org/10.59463/JAPT.2025.2.1>

Rădoi-Encea, R. Ș., Badea, F., **Manolică, A. M.**, Vișan, L., & Matei, F. (2024). TESTING THE FERMENTATIVE POTENTIAL OF SOME LOCAL *Saccharomyces* AND non-*Saccharomyces* YEASTS. *Scientific Bulletin Series F. Biotechnologies*, 28(2).

CONFERINȚE

- V. **Multy Disciplinary Conference on Sustainable Development 15-16 mai 2025, University of Life Sciences "King Mihai I" Timișoara**
- VI. **14th Edition of the International Conference "Agriculture for Life, Life for Agriculture", organized by the University of Agronomic Sciences and Veterinary Medicine of Bucharest between 5th and 7th June 2025**
- VII. **4th International Summer School on Sustainability i3s at OST – Eastern Switzerland University of Applied Sciences in Rapperswil-Jona, between 8-12 september 2025**
- VIII. **4th International Conference "Life Sciences for Sustainable Development", Cluj-Napoca, Romania, between 25th– 27th September, 2025**



FIȘĂ DE CERCETARE

Nume și prenume: RĂDOI-ENCEA RALUCA-ȘTEFANIA

Grad didactic: Asist. univ. drd.

DOMENII DE COMPETENȚĂ: microbiologie aplicată, biotehnologii fermentative, biotehnologii alimentare, microbiologia vinului.

INTERESE DE CERCETARE: potențial de vinificație al microorganismelor, alimente funcționale, potențial anti-microbian, biodiversitatea microorganismelor implicate în procese biotehnologice

VALOARE INDICI HIRSCH

WEB OF SCIENCE	2
SCOPUS	2
GOOGLE SCHOLAR	3

ARTICOLE

Măzărel, A., **Rădoi-Encea, R. Ș.**, Pădureanu, V., Maier, A., & Matei, F. (2025). The influence of different cooking techniques on the biochemical, microbiological, and sensorial profile of fish-based catering products. *Applied Sciences*, 15(8), 4417. <https://doi.org/10.3390/app15084417>

Rădoi-Encea, R.Ș., Badea, F., Manolică, A.M., Vișan, L., Matei, F. (2024) Testing the fermentative potential of some local *Saccharomyces* and non-*Saccharomyces* yeasts, *Scientific Bulletin. Series F. Biotechnologies*, XXVIII (2), 66-73.

CONFERINȚE

- Ziua Biotehnologiei - BIOTECH-RO 2025, 3 octombrie 2025, Facultatea de Biotehnologii, Universitatea de Științe Agronomice și Medicină Veterinară București
- Conferința Internațională „Agriculture for Life, Life for Agriculture”, 6-8 iunie 2024, Universitatea de Științe Agronomice și Medicină Veterinară București