



UNIVERSITATEA
DE ȘTIINȚE AGRONOMICE
ȘI MEDICINĂ VETERINARĂ
DIN BUCUREȘTI

RAPORT PRIVIND ACTIVITATEA DE CERCETARE ȘI DIDACTICĂ

RAPORT FACULTATE

FACULTATEA DE BIOTEHNOLOGII

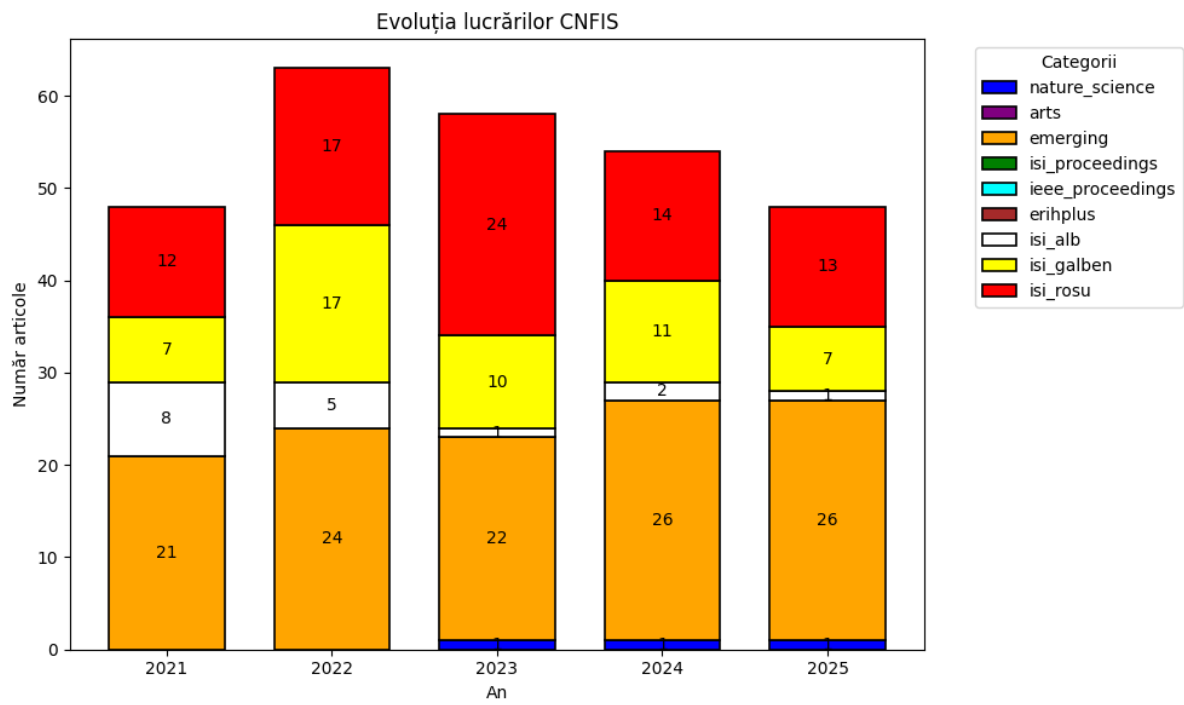
PERIOADA 01/01/2020 – 31/12/2025

Cuprins

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Activitatea de cercetare



Sinteza activității de cercetare

		2021	2022	2023	2024	2025
C4. Proiecte de cercetare	Total din care	29	31	27	26	20
	Proiecte de cercetare obținute prin competiție	28	29	27	24	17
	Proiecte de cercetare derulate pentru terți	1	2	0	2	3
C2.1 Brevete		7	4	1	3	2
C2.2 Produse modele și studii		18	16	7	8	5
C3 Cărți		4	2	4	13	5
C5 Afiliere Instituțională		0	1	2	57	17
C6 Organizare		5	10	10	57	24
C1. Lucrări științifice	Total din care	122	127	127	114	87
	Nature/Science	0	0	1	1	1
	ISI Roșu	12	17	24	14	13
	ISI Galben	7	17	10	11	7
	Isi Alb	8	5	1	2	1
	ISI Arts&Humanities	0	0	0	0	0
	ISI Emerging Sources Citation Index	21	24	22	26	26
	ERIH+	0	0	0	0	0
	ISI Proceedings	0	0	0	0	0
	IEEE Proceedings	0	0	0	0	0
Others	74	64	69	60	39	
C7 Citări		1590	1929	2217	2868	1966
C8 Premii		43	34	20	20	8
C9 Alte activități		2	6	10	1	0

C1 Articole științifice

ISI Roșu

1. Daniela-Mihaela Grigore, Silvia Mironeasa, Georgeta Ciurescu, Madalina Ungureanu-Iuga, Ana Batariuc & Narcisa Elena Babeanu (2023). „Carcass Yield and Meat Quality of Broiler Chicks Supplemented with Yeasts Bioproducts”. *APPLIED SCIENCES-BASEL* 13(3), Article 1607. <https://doi.org/10.3390/app13031607>
2. Luminita Dimitriu, Diana Constantinescu-Aruxandei, Daniel Preda, Andra-Lavinia Nichitean, Cristian-Andi Nicolae, Victor Alexandru Faraon, Marius Ghiurea, Mihaela Ganciarov, Narcisa Elena Babeanu & Florin Oancea (2022). „Honey and Its Biomimetic Deep Eutectic Solvent Modulate the Antioxidant Activity of Polyphenols”. *ANTIOXIDANTS* 11(11), Article 2194. <https://doi.org/10.3390/antiox11112194>
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4. Marilena-Gabriela Olteanu Zaharie, Nicoleta Radu, Lucia Pirvu, Marinela Bostan, Mariana Voicescu, Mihaela Begea, Mariana Constantin, Catalina Voaides, Narcisa Babeanu & Viviana Roman (2022). „Studies Regarding the Pharmaceutical Potential of Derivative Products from Plantain”. *PLANTS-BASEL* 11(14), Article 1827. <https://doi.org/10.3390/plants11141827>
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 7. Gabriela Luta, Daniela Balan, Maria Stanca, Ovidiu Jerca, Stefana Jurcoane, Mihaela Niculescu, Carmen Gaidau & Ioana Rodica Stanculescu (2024). „Innovative Protein Gel Treatments to Improve the Quality of Tomato Fruit”. *GELS* 10(1), Article 10. <https://doi.org/10.3390/gels10010010>
 8. Daniela Balan, Gabriela Luta, Maria Stanca, Ovidiu Jerca, Mihaela Niculescu, Carmen Gaidau, Stefana Jurcoane & Antoaneta Mihalcea (2023). „Effect of Protein Gel Treatments on Biometric and Biochemical Attributes of Tomato Seedlings in Greenhouse Condition”. *AGRICULTURE-BASEL* 13(1), Article 54. <https://doi.org/10.3390/agriculture13010054>
 9. Iuliana Diana Barbulescu, Mihaela Violeta Ghica, Mihaela Begea, Madalina Georgiana Albu Kaya, Razvan Ionut Teodorescu, Lacramioara Popa, Simona Ioana Marculescu, Alexandru Ionut Ciric, Corina Dumitrache, Dumitru Lupuliasa, Florentina Matei & Cristina-Elena Dinu-Pirvu (2021). „Optimization of the Fermentation Conditions for Brewing Yeast Biomass Production Using the Response Surface Methodology and Taguchi Technique”. *AGRICULTURE-BASEL* 11(12), Article 1237. <https://doi.org/10.3390/agriculture11121237>
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 11. Oana Livadariu, Carmen Gabriela Constantin, Oana-Alina Boiu-Sicuia, Aurora Dobrin & Violeta Alexandra Ion (2024). „Assessment of Aseptic and Non-Aseptic Systems' Influence on Basil (*Ocimum basilicum* L.) Microplants”. *PLANTS-BASEL* 13(16), Article 2313. <https://doi.org/10.3390/plants13162313>
 12. Luminita Dimitriu, Diana Constantinescu-Aruxandei, Daniel Preda, Ionut Moraru, Narcisa Elena Babeanu & Florin Oancea (2023). „The Antioxidant and Prebiotic Activities of Mixtures Honey/Biomimetic NaDES and Polyphenols Show Differences between Honeysuckle and Raspberry Extracts”. *ANTIOXIDANTS* 12(9), Article 1678. <https://doi.org/10.3390/antiox12091678>
 13. Verginica Schroder, Nicoleta Radu, Petruta Calina Cornea, Oana Andreia Coman, Lucia Camelia Pirvu, Mohammed Shaymaa Omar Mohammed, Amalia Stefaniu, Lucia Pintilie, Marinela Bostan, Mihai Dan

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 15. Carmen Gabriela Constantin, Mihaela Maria Zugravu, Mihaela Georgescu, Mugurasi Florin Constantin, Andrei Mot, Maria Paraschiv & Aurora Dobrin (2023). „The Impact of the Growing Substrate on Morphological and Biochemical Features of *Salicornia europaea* L.”. *APPLIED SCIENCES-BASEL* 13(19), Article 10835. <https://doi.org/10.3390/app131910835>
 16. Sara Roman, Catalina Voaides & Narcisa Babeanu (2023). „Exploring the Sustainable Exploitation of Bioactive Compounds in *Pelargonium* sp.: Beyond a Fragrant Plant”. *PLANTS-BASEL* 12(24), Article 4123. <https://doi.org/10.3390/plants12244123>
 17. Amalia Carmen Mitelut, Elisabeta Elena Popa, Mihaela Cristina Draghici, Paul Alexandru Popescu, Vlad Ioan Popa, Oana-Crina Bujor, Violeta Alexandra Ion & Mona Elena Popa (2021). „Latest Developments in Edible Coatings on Minimally Processed Fruits and Vegetables: A Review”. *FOODS* 10(11), Article 2821. <https://doi.org/10.3390/foods10112821>
 18. Ioana Stanciu, Elena Loredana Ungureanu, Elisabeta Elena Popa, Mihaela Geicu-Cristea, Mihaela Draghici, Amalia Carmen Mitelut, Gabriel Mustatea & Mona Elena Popa (2023). „The Experimental Development of Bread with Enriched Nutritional Properties Using Organic Sea Buckthorn Pomace”. *APPLIED SCIENCES-BASEL* 13(11), Article 6513. <https://doi.org/10.3390/app13116513>
 19. Camelia Filofteia Diguta, Constanta Mihai, Radu Cristian Toma, Carmen Cimpeanu & Florentina Matei (2023). „In Vitro Assessment of Yeasts Strains with Probiotic Attributes for Aquaculture Use”. *FOODS* 12(1), Article 124. <https://doi.org/10.3390/foods12010124>
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 22. Catalina Voaides, Oana Boiu-Sicuia, Florentina Israel-Roming, Medana Zamfir, Silvia Simona Grosu-Tudor, Iulia Roxana Angelescu & Calina Petruta Cornea (2022). „Lactobacillus Strains for Vegetable Juice Fermentation-Quality and Health Aspects”. *BIOMEDICINES* 10(11), Article 2867. <https://doi.org/10.3390/biomedicines10112867>
 23. Elena Mirela Dusa, Vasilica Stan, Nicoleta Vrinceanu, Mircea Mihalache, Mihaela Vasile, Oana Sicuia & Catalina Voaides (2023). „Soil Chemical Properties and Microbial Behavior under Short-Term Organic and Mineral Fertilization within Different Crops”. *AGRONOMY-BASEL* 13(11), Article 2837. <https://doi.org/10.3390/agronomy13112837>
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27. Sachchida Nand Rai, Divya Mishra, Payal Singh, Emanuel Vamanu M. P. Singh (2021). „Therapeutic applications of mushrooms and their biomolecules along with a glimpse of in silico approach in neurodegenerative diseases”. *BIOMEDICINE PHARMACOTHERAPY* 137, Article 111377. <https://doi.org/10.1016/j.biopha.2021.111377>
28. Mihai-Vlad Valu, Liliana Cristina Soare, Catalin Ducu, Sorin Moga, Denis Negrea, Emanuel Vamanu, Tudor-Adrian Balseanu, Simone Carradori, Lucian Hritcu Razvan Stefan Boiangiu (2021). „Heridium erinaceus (Bull.) Pers. Ethanolic Extract with Antioxidant Properties on Scopolamine-Induced Memory Deficits in a Zebrafish Model of Cognitive Impairment”. *JOURNAL OF FUNGI* 7(6), Article 477. <https://doi.org/10.3390/jof7060477>
29. Shabnam Shabir, Sumaira Yousuf, Sandeep Kumar Singh, Emanuel Vamanu Mahendra P. Singh (2022). „Ethnopharmacological Effects of Urtica dioica, Matricaria chamomilla, and Murraya koenigii on Rotenone-Exposed D. melanogaster: An Attenuation of Cellular, Biochemical, and Organismal Markers”. *ANTIOXIDANTS* 11(8), Article 1623. <https://doi.org/10.3390/antiox11081623>
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32. Shailendra Kumar Mishra, Vyshnavy Balendra, Josephine Esposto, Ahmad A. Obaid, Ricardo B. Maccioni, Niraj Kumar Jha, George Perry, Mahmoud Moustafa, Mohammed Al-Shehri, Mahendra P. Singh, Anwar Khan, Emanuel Vamanu Sandeep Kumar Singh (2022). „Therapeutic Antiaging Strategies”. *BIOMEDICINES* 10(10), Article 2515. <https://doi.org/10.3390/biomedicines10102515>
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35. Emanuel Vamanu, Florentina Gatea, Ionela Avram, Gabriel Lucian Radu Sandeep Kumar Singh (2023). „Dysbiotic Gut Microbiota Modulation by Aronia Fruits Extract Administration”. *LIFE-BASEL* 13(1), Article 32. <https://doi.org/10.3390/life13010032>
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37. Somnath Sahoo, Sarika Sharma, Mahendra P. Singh, Sandeep K. Singh, Emanuel Vamanu Kongara Hanumantha Rao (2023). „Metabolic and Phenotypic Changes Induced during N-Acetylglucosamine Signalling in the Fungal Pathogen *Candida albicans*”. *BIOMEDICINES* 11(7), Article 1997. <https://doi.org/10.3390/biomedicines11071997>
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49. Laura-Dorina Dinu Emanuel Vamanu (2024). „Gut Microbiota Modulators Based on Polyphenols Extracted from Winery By-Products and Their Applications in the Nutraceutical Industry”. *LIFE-BASEL* 14(3), Article 414. <https://doi.org/10.3390/life14030414>
50. Laura-Dorina Dinu, Quthama Jasim Al-Zaidi, Adelina Georgiana Matache Florentina Matei (2024). „Improving the Efficiency of Viability-qPCR with Lactic Acid Enhancer for the Selective Detection of Live Pathogens in Foods”. *FOODS* 13(7), Article 1021. <https://doi.org/10.3390/foods13071021>
51. Radu C. Racovita, Catinca Secuianu, Maria D. Ciuca Florentina Israel-Roming (2020). „Effects of Smoking Temperature, Smoking Time, and Type of Wood Sawdust on Polycyclic Aromatic Hydrocarbon Accumulation Levels in Directly Smoked Pork Sausages”. *JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY* 68(35), 9530–9536. <https://doi.org/10.1021/acs.jafc.0c04116>
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