

FIȘA DE EVALUARE GENERALĂ A STANDARDELOR UNIVERSITĂȚII

Cercetător științific, Dr. Gabriela MIHALACHE

Nr. crt.	Descriptor	Punctaj
1.	Articole științifice publicate in extenso în reviste cotate Web of Science cu factor de impact (Metoda de calcul: $(60 \text{ puncte} \times \text{factor de impact} + 25) / \text{număr autori}$)	
	1. Stoleru, V., Jacobsen, S.E., Vitanescu, M., Jitareanu, G., Butnariu, M., Munteanu, N., Stan, T., Teliban, G.C., Cojocaru, A., Mihalache, G. Nutritional and antinutritional compounds in leaves of quinoa, Food Bioscience 45, 101494, 2022 (doi.org/10.1016/j.fbio.2021.101494), FI= 5.318 (https://www.sciencedirect.com/science/article/pii/S2212429221006192?via%3Dihub), (nr. autori = 10).	34.40
	2. Gheorghitoaie, M.V., Bodale, I., Achitei, V., Teliban, G.C., Cojocaru, A., Caruso, G., Mihalache, G. , Stoleru V. Potential of continuous electric current on biometrical, physiological and quality characteristics of organic tomato, Applied Sciences , 12 (9), 4211, 2022 (doi.org/10.3390/app12094211), FI= 2.838 (https://www.mdpi.com/2076-3417/12/9/4211), (nr. autori = 8).	24.41
	3. Tiron, V., Ciolan, M.A., Bulai, G., Mihalache, G. , Lipsa, F.D., Jijie, R., Efficient removal of methylene blue and ciprofloxacin from aqueous solution using flower-like, nanostructured ZnO coating under UV irradiation. Nanomaterials , 12(13), 2193, 2022 (doi.org/10.3390/nano12132193), FI= 5.719 (https://www.mdpi.com/2079-4991/12/13/2193), (nr. autori = 6).	61.35
	4. Teliban G.C., Stoleru V., Birescu G., Mihalache G. , Burducea M., Munteanu N., Țopa D., Gheorghe M., Rădeanu G., Popa L.D., Vlăduț N.V., The response of runner bean crop to irrigation and fertilization. Romanian Agricultural Research , 39, 2022, FI= 0.633 (https://www.incda-fundulea.ro/rar/nr39fol/rar39.35.pdf), (nr. autori = 11).	5.72
	5. Jijie, R., Mihalache, G. , Balmus, I.M., Strungaru, S.A., Baltag, E.S., Ciobica, A., Nicoara, M., Faggio, C. Zebrafish as a screening model to study the single and joint effects of antibiotics. Pharmaceuticals 14, 578, 2021 (doi.org/10.3390/ph14060578), FI=5.215 (https://www.mdpi.com/1424-8247/14/6/578), (nr. autori = 8).	42.23
	6. Bodale, I., Mihalache, G. , Achitei, V., Teliban, G.C., Cazacu, A., Stoleru, V., Evaluation of the nutrients uptake by tomato plants in different phenological stages using an electrical conductivity technique, Agriculture , 11 (4), 292, 2021 (doi.org/10.3390/agriculture11040292), FI=3.408 (https://www.mdpi.com/2077-0472/11/4/292), (nr. autori = 6).	38.24
	7. Teliban, G.C., Burducea, M., Zheljaskov, V.D., Dincheva, I., Badjakov, I., Munteanu, N., Mihalache, G. , Cojocaru, A., Popa, L.D., Stoleru, V., The effect of myco-biocontrol based formulates on yield, physiology and secondary products of	22.94

	organically grown basil, Agriculture , 11 (2), 180, 2021 (doi.org/10.3390/agriculture11020180), FI=3.408 (https://www.mdpi.com/2077-0472/11/2/180), (nr. autori = 10).	
8.	Dogaru, B.-I., Stoleru, V., Mihalache, G. , Yonsel, S., Popescu, M.-C. Gelatin reinforced with CNCs as nanocomposite matrix for <i>Trichoderma harzianum</i> KUEN 1585 spores in seed coatings. Molecules , 26, 5755, 2021 (doi.org/10.3390/molecules26195755), FI=4.927 (https://www.mdpi.com/1420-3049/26/19/5755), (nr. autori = 5).	64.12
9.	Mihalache, G. , Peres, C.I., Bodale, I., Achitei, V., Gheorghitoaie, M.V., Teliban, G.C., Cojocaru, A., Butanariu, M., Muraru, V., Stoleru, V., Tomato crop performances under chemical nutrients monitored by electric signal. Agronomy-Basel , 10(12): 1915, 2020 (doi.org/10.3390/agronomy10121915), FI=3.417 (https://www.mdpi.com/2073-4395/10/12/1915), (nr. autori = 10).	23
10.	Stoleru, V., Burlica, R., Mihalache, G. , Dirlau, D., Padureanu, S., Teliban, G.C., Astanei, A.D., Cojocaru, A., Beniuga, O., Patras, A., Plant growth promotion effect of plasma activated water on <i>Lactuca sativa</i> L. cultivated in two different volumes of substrate. Scientific Reports , 10(1): 20920, 2020 (doi.org/10.1038/s41598-020-77355-w), FI=4.380 (https://www.nature.com/articles/s41598-020-77355-w#article-info), (nr. autori = 10).	28.78
11.	Stoleru, V., Inculet, C.S., Mihalache, G. , Cojocaru, A., Teliban, G.C., Caruso, G., Yield and nutritional response of greenhouse grown tomato cultivars to sustainable fertilization and irrigation management, Plants-Basel , 9(8): 1053, 2020 (doi.org/10.3390/plants9081053), FI= 3.935 (https://www.mdpi.com/2223-7747/9/8/1053), (nr. autori = 6).	43.51
12.	Inculet, C.S., Mihalache, G. , Sellitto, V.M., Hlihor, R.M., Stoleru, V., The effects of a microorganisms-based commercial product on the morphological, biochemical and yield of tomato plants under two different water regimes. Microorganisms 7 (12): 706, 2019 (doi.org/10.3390/microorganisms7120706), FI= 4.152 (https://www.mdpi.com/2076-2607/7/12/706), (nr. autori = 5).	54.82
13.	Stoleru, V., Slabu, C., Vitnescu, M., Peres, C., Cojocaru, A., Covasa, M., Mihalache, G. Tolerance of three quinoa cultivars (<i>Chenopodium quinoa</i> Willd.) to salinity and alkalinity stress during germination stage. Agronomy-Basel 9 (6): 287, 2019 (doi.org/10.3390/agronomy9060287), FI= 2.603 (https://www.mdpi.com/2073-4395/9/6/287), (nr. autori = 7).	25.88
14.	Mihalache, G. , Balaes, T., Gostin, I., Stefan, M., Coutte, F., Krier, F., Lipopeptides produced by <i>Bacillus subtilis</i> as new biocontrol products against fusariosis in ornamental plants. Environmental Science and Pollution Research 25(30): 29784 – 29793, 2018 (doi.org/10.1007/s11356-017-9162-7), FI= 2.914 (https://link.springer.com/article/10.1007/s11356-017-9162-7#article-info), (nr. autori = 6).	33.30
15.	Babii, C., Mihalache, G. , Bahrin, L.G., Neagu, A.N., Gostin, I., Mihai, C.T., Sârbu, L.G., Birsă, L.M., Stefan, M., A novel synthetic flavonoid with potent antibacterial properties: In vitro activity and proposed mode of action. PloS ONE 13(4): e0194898, 2018 (doi.org/10.1371/journal.pone.0194898), FI= 2.776 (https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0194898), (nr. autori = 9).	21.28
16.	Mihalache, G. , Mihasan, M., Zamfirache, M.M., Stefan, M., Rau, S. L., Phosphate	12.08

	solubilizing bacteria from runner bean rhizosphere and their mechanism of action. Romanian Biotechnological Letter 23 (4), 13853, 2018 (doi.org/10.26327/RBL2017.60), FI= 0.590 (https://romanianbiotechnologicalletters.files.wordpress.com/2017/11/mihalache-g-et-al.pdf), (nr. autori = 5).	
	17. Mihalache, G. , Zamfirache, M.M., Hamburda, S., Stoleru, V., Munteanu, N., Stefan, M., Synergistic effect of Pseudomonas lini and Bacillus pumilus on runner bean growth enhancement. Environmental Engineering and Management Journal 15(8): 1823 – 1831, 2016 (), FI= 1.096 (), (nr. autori = 6).	15.12
	18. Mihalache, G. , Zamfirache, M.M., Mihasan, M., Ivanov, I., Stefan, M., Raus, L., Phosphate-solubilizing bacteria associated with runner bean rhizosphere, Archives of Biological Sciences 67(3): 793 – 800, 2015 (doi.org/10.2298/ABS141003038M), FI= 0.367 (http://www.doiserbia.nb.rs/Article.aspx?ID=0354-46641500038M#.Y4S8f3ZBxD8), (nr. autori = 6).	7.83
	Subtotal 1	559.01
2.	Articole științifice publicate in extenso în reviste indexate ISI fără factor de impact (Metoda de calcul: 20 puncte / număr autori)	
	1.	
	2.	
	3.	
	Subtotal 2	
3.	Articole științifice publicate in extenso în reviste indexate BDI (Metoda de calcul: 15 puncte / număr autori)	
	1. Mihalache, G. , Zamfirache, M.M., Stefan, M., Root associated bacteria– friends or enemies? A review, Memoirs of the Scientific Sections of the Romanian Academy 38: 27-54, 2015 (http://mss.academiaromana-is.ro/mem_sc_st_2015/2_Mihalache.pdf)	5
	2. Mihalache, G. , Munteanu, N., Dunca, S., Mihășan, M., Ștefan, M. Phosphate-solubilising rhizobacteria associated with <i>Phaseolus coccineus</i> L. rhizosphere. Analele Științifice ale Universității „Alexandru Ioan Cuza”, Secțiunea Genetică și Biologie Moleculară 13(3): 65-69, 2012 .	3
	Subtotal 3	8
4.	Articole științifice publicate in extenso în volumele conferințelor	
	Indexate ISI (Metoda de calcul: 30 puncte / număr autori)	
	1. Mihalache, G. , Stefan, M., Babii, C., Motei, D., Mihășan, M., Steps towards <i>Arthrobacter nicotinovorans</i> based biotechnology for production of 6-hidroxy-nicotine, 16th International Multidisciplinary Scientific Geo Conferences SGEM2016, Advances in Biotechnology , 341-346, 2016 (https://www.proquest.com/openview/acbe00771ade1824508126226e134ef4/1?pq-origsite=gscholar&cbl=1536338)	6
	Indexate în BDI (Metoda de calcul: 15 puncte / număr autori)	
	1. Rosca, M., Hlihor, R.M., Mihalache, G. , Stoleru, V., Heavy metals contamination of fruits and vegetables in europe. Lucrări Științifice S12eria Horticultură USAMV Iași 64(1): 227-232, 2021 (https://www.uaiasi.ro/revista_horti/files/Nr1_2021/vol%2064_1_2021%20(32).pdf)	3.75

	2. Pereş, C.I., Cazacu, A., Bodale, I., Mihalache, G. , Teliban, G.C., Cojocaru, A., Munteanu, N., Iurea, D., Stoleru, V., (2019) Yield and physiological parameters of Siriana F1 under conventional and unconventional stimulants. Lucrări Ştiinţifice Seria Horticultură USAMV Iaşi 62(2): 29-34, 2019 (http://www.uaiasi.ro/revista_horti-en/files/Nr2_2019/04.%20Peres%20C..pdf)	1.66
	3. Stoleru, V., Mihalache, G. , Peres, C., Teliban, G., Cojocaru, A., Muraru, V.M., Biochemical parameters of tomato under chemical fertilizers. Lucrări Ştiinţifice Seria Horticultură USAMV Iaşi 62(1): , 2019 (http://www.uaiasi.ro/revista_horti-en/files/Nr1_2019/11.%20Stoleru%20V..pdf)	2.5
	Alte categorii (Metoda de calcul: 5 puncte / număr autori)	
	1.	
	2.	
	Subtotal 4	13.91
5.	Cărţi ştiinţifice publicate (doar prima ediţie)	
	Edituri academice internaţionale (Metoda de calcul: 100 puncte la 100 pagini / număr autori)	
	1.	
	2.	
	Alte edituri internaţionale (Metoda de calcul: 70 puncte la 100 pagini / număr autori)	
	1.	
	2.	
	Edituri academice naţionale (Metoda de calcul: 50 puncte la 100 pagini / număr autori)	
	1. Stoleru, V., Munteanu, N., Tenu, I., Stan, T., Muraru, V., Teliban, C.G., Cojocaru, A., Bodale, I., Cazacu, A., Mihalache, G. , Gheorghitoaie, M.V., Achitei, V., Peres, C.I., Perspective moderne în fertilizarea legumelor din spaţii protejate. Ed. Ion Ionescu de la Brad, Iasi, 206, 2020	7.69
	2.	
	Alte edituri naţionale (Metoda de calcul: 20 puncte la 100 pagini / număr autori)	
	1.	
	2.	
	Subtotal 5	7.69
6.	Cărţi ştiinţifice traduse şi publicate în edituri din străinătate (Metoda de calcul: 100 puncte la 100 pagini / număr autori)	
	1.	
	2.	
	Subtotal 6	
7.	Coordonarea şi editarea de volume, traduceri şi antologii	
	În edituri academice internaţionale (Metoda de calcul: 60 puncte / număr autori)	
	1.	
	2.	
	În alte edituri internaţionale	

	<i>(Metoda de calcul: 40 puncte / număr autori)</i>	
	1.	
	2.	
	În edituri academice naționale	
	<i>(Metoda de calcul: 30 puncte / număr autori)</i>	
	1.	
	2.	
	În alte edituri naționale	
	<i>(Metoda de calcul: 15 puncte / număr autori)</i>	
	1.	
	2.	
	Subtotal 7	
8.	Articole publicate în dicționare și enciclopedii	
	În edituri academice internaționale	
	<i>(Metoda de calcul: 30 puncte / număr autori)</i>	
	1.	
	2.	
	În alte edituri internaționale	
	<i>(Metoda de calcul: 20 puncte / număr autori)</i>	
	1.	
	2.	
	În edituri academice naționale	
	<i>(Metoda de calcul: 15 puncte / număr autori)</i>	
	1.	
	2.	
	În alte edituri naționale	
	<i>(Metoda de calcul: 5 puncte / număr autori)</i>	
	1.	
	2.	
	Subtotal 8	
9.	Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	
	Director la contracte internaționale	
	<i>(Metoda de calcul: 100 puncte pentru fiecare 100.000 Euro)</i>	
	1.	
	2.	
	Membru în contracte internaționale	
	<i>(Metoda de calcul: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare)</i>	
	1.	
	2.	
	Director la contracte naționale	
	<i>(Metoda de calcul: 50 puncte pentru fiecare 500.000 Lei)</i>	
	1.	
	2.	

	Membru în contracte naționale (Metoda de calcul: 50 puncte pentru fiecare 500.000 Lei / numărul membrilor echipei de cercetare)	
	1. „Eco-nano-tehnologii și echipamente inteligente pentru cartografierea proprietăților solului și evaluarea în dinamica plantei, în vederea eficientizării producției agricole și protecției mediului.” Acronim BIOSENZOR, cod proiect PN-III-P1-1.2-PCCDI-2017-0560 (670.000 lei, 20 membri)	3.35
	2. Efectele 6-hidroxi-nicotinei asupra neurotoxicității și stresului oxidativ indus de clorizondamină: relevanță pentru boala Alzheimer”, acronim NicDeriv, cod proiect PN-II-RU-TE-2014-4-0106 (549.700 lei, 6 membri)	9.61
	Subtotal 9	12.51
10.	Contracte de cercetare în mediul de afaceri și sectorul public	
	Cu organizații internaționale (Metoda de calcul: 100 puncte pentru fiecare 100.000 Euro)	
	1.	
	2.	
	Cu firme multinaționale (Metoda de calcul: 100 puncte pentru fiecare 100.000 Euro)	
	1.	
	2.	
	Cu firme naționale (Metoda de calcul: 50 puncte pentru fiecare 500.000 Euro)	
	1.	
	2.	
	Cu organizații administrative naționale (Metoda de calcul: 40 puncte pentru fiecare 500.000 Euro)	
	1.	
	2.	
	Cu alte organizații publice de nivel național (Metoda de calcul: 30 puncte pentru fiecare 500.000 Euro)	
	1.	
	2.	
	Sbttotal 10	
11.	Brevete	
	Internaționale (Metoda de calcul: 100 puncte / număr de autori)	
	1.	
	2.	
	Naționale (Metoda de calcul: 30 puncte / număr de autori)	
	1.	
	2.	
	Subtotal 11	
12.	Citări și recenzii ale lucrărilor științifice	
	În reviste de specialitate din străinătate (Metoda de calcul: $(10 + 20 \times \text{factor de impact}) / \text{număr autori}$, pentru fiecare citare)	
	Lucrarea: Nutritional and antinutritional compounds in leaves of quinoa, Food Bioscience 45, 101494, 2022.	

<i>Autorii: Stoleru V., Jacobsen S.E., Vitanescu M., Jitareanu G., Butnariu M., Munteanu N., Stan T., Teliban G. C., Cojocar A., Mihalache G. (Număr autori = 10)</i>		
1.	Brito, I., Chantelle, L., Magnani, M., Cordeiro, A. M., Nutritional, therapeutic, and technological perspectives of quinoa (<i>Chenopodium quinoa</i> Willd.): A review. JOURNAL OF FOOD PROCESSING AND PRESERVATION, 46(5): e16601, 2022. FI: 2.609	6.21
2.	Villacrés, E., Quelal, M., Galarza, S., Iza, D., Silva, E., Nutritional Value and Bioactive Compounds of Leaves and Grains from Quinoa (<i>Chenopodium quinoa</i> Willd.). PLANTS-BASEL, 11(2), 2022. FI: 4.658	10.31
3.	Campos-Rodriguez J., Acosta-Coral K., Paucar-Menacho L.M., Quinoa (<i>Chenopodium quinoa</i>): Nutritional composition and bioactive compounds of grain and leaf, and impact of heat treatment and germination, SCIENTIA AGROPECUARIA, 13, 3, 2022. FI: 0.45	1
4.	Stoleru V., Vitanescu M., Teliban G.C., Cojocar A., Vlase L., Gheldiu A.M., Mangalagiu I, Amariuca-Mantu D., Burducea M., Zheljaskov V., Rusu O.R., Phytosterol and Polyphenol Contents and Quinoa Leave Yields Variation in Relationships to Variety, Density and Harvesting Date, AGRONOMY-BASEL, 12(10): 2397, 2022. FI: 3.949	8.89
Lucrarea: <i>Gelatin Reinforced with CNCs as Nanocomposite Matrix for Trichoderma harzianum KUEN 1585 Spores in Seed Coatings. Molecules 26(19), 5755, 2021. Autorii: Dogaru B., Stoleru V., Mihalache G., Yonsel S., Popescu M.C. (Număr autori: 5)</i>		
1.	Akhter S., Khan M.A., Mahmud S., Biki S.P., Shamsuzzoha M., Hasan S.M.K., Ahmed M., Biosynthesis and characterization of bacterial nanocellulose and polyhydroxyalkanoate films using bacterial strains isolated from fermented coconut water, PROCESS BIOCHEMISTRY, 122(1): 214-223, 2022. FI: 4.885	21.54
2.	Ratna, Aprilia S., Arahman N., Bilad M.R., Suhaimi H., Munawar A.A., Nasution I.S., Bio-Nanocomposite Based on Edible Gelatin Film as Active Packaging from Clarias gariepinus Fish Skin with the Addition of Cellulose Nanocrystalline and Nanopropolis, POLYMERS, 14(18): 3738, 2022. FI: 4.967	21.86
Lucrarea: <i>Zebrafish as a screening model to study the single and joint effects of antibiotics. Pharmaceuticals 14, 578, 2021. Autorii: Jijie R., Mihalache G., Balmus I.-M., Strungaru S.-A., Baltag E.S., Ciobica A., Nicoara M., Faggio C. (Număr autori: 8)</i>		
1.	Porretti M., Arrigo F., Di Bella G., Faggio C., Impact of pharmaceutical products on zebrafish: An effective tool to assess aquatic pollution, COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, 261: 109439, 2022. FI: 4.52	12.55
2.	Ozkan-Kotiloglu S., Arslan P., Akca G., Gunal A.C., Are BPA-free plastics safe for aquatic life? Fluorene-9-bisphenol induced thyroid-disrupting effects and histopathological alterations in adult zebrafish (<i>Danio rerio</i>), COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY, 260: 109419, 2022. FI: 4.52	12.55
3.	Suryanto M.E., Yang C.-C., Audira G., Vasquez R.D., Roldan M.J.M., Ger T.-R., Hsiao C.-D. Evaluation of Locomotion Complexity in Zebrafish after Exposure to Twenty Antibiotics by Fractal Dimension and Entropy Analysis. ANTIBIOTICS, 11, 1059, 2022. FI: 5.222	14.30
4.	Fortuna M., Soares S.M., Pompermaier A., Freddo N., Nardi J., Mozzato M.T., Cole Varela A.C., Cadore Costa V., Siqueira L., Menegasso A.S., da Costa Maffi V., Gil Barcellos L.J., Exposure to levonorgestrel-based birth control pill in early life and its persistent effects in zebrafish, Environmental Toxicology and Pharmacology, 96, 104006, 2022. IF: 5.785	15.71
5.	Ilie O-D, Duta R, Jijie R, Nita I-B, Nicoara M, Faggio C, Dobrin R, Mavroudis I, Ciobica A, Doroftei B. Assessing Anti-Social and Aggressive Behavior in a Zebrafish (<i>Danio rerio</i>) Model of Parkinson's Disease Chronically Exposed to Rotenone. BRAIN SCIENCES 12(7):898, 2022. FI: 3.333	9.58
6.	Vali S, Majidiyan N, Azadikhah D, Varcheh M, Tresnakova N, Faggio C. Effects of Diazinon on the Survival, Blood Parameters, Gills, and Liver of Grass Carp (<i>Ctenopharyngodon idella</i> Valenciennes, 1844; Teleostei: Cyprinidae). WATER 14(9):1357, 2022. FI: 3.53	10.07
7.	Medkova D., Lakdawala P., Hodkovicova N., Blahova J., Faldyna M., Mares J., Vaclavik J., Doubkova V., Hollerova A., Svobodova Z., Effects of different pharmaceutical residues on	23.60

embryos of fish species native to Central Europe, CHEMOSPHERE, 291, 132915, 2022. FI: 8.943	
8. Zhang N., Ma H., Zhang Z., Zhang W., Chen L., Pan W., Wu Q., Lu Y., Chen Y., Characterization and immunomodulatory effect of an alkali-extracted galactomannan from <i>Morchella esculenta</i> , CARBOHYDRATE POLYMERS, 278, 118960, 2022. FI: 10.723	28.05
9. Yan J., Zhao Z.J., Xia M., Chen S.Y., Wan X.C., He A.F., Sheng G.D., Wang X.D., Qian Q.H., Wang H.L., Induction of lipid metabolism dysfunction, oxidative stress and inflammation response by tris(1-chloro-2-propyl) phosphate in larval/adult zebrafish, ENVIRONMENT INTERNATIONAL, 160, 107081, 2022. FI: 13.352	34.63
10. Li Z., Junaid M., Chen G., Wang J., Interactions and associated resistance development mechanisms between microplastics, antibiotics and heavy metals in the aquaculture environment, REVIEWS IN AQUACULTURE 14: 1028– 1045, 2022. FI: 10.618	27.79
11. Paduraru E, Flocea E-I, Lazado CC, Simionov I-A, Nicoara M, Ciobica A, Faggio C, Jijie R. Vitamin C Mitigates Oxidative Stress and Behavioral Impairments Induced by Deltamethrin and Lead Toxicity in Zebrafish. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 22(23):12714, 2021. FI: 6.208	16.77
12. Blahova J., Doubkova V., Plhalova L., Lakdawala P., Medkova D., Vecerek V., Svobodova Z., Faggio C., Embryotoxicity of Selective Serotonin Reuptake Inhibitors—Comparative Sensitivity of Zebrafish (<i>Danio rerio</i>) and African Clawed Frog (<i>Xenopus laevis</i>) Embryos. APPLIED SCIENCES 11(21):10015, 2021. FI: 2.838	8.34
13. Hubená P., Horký P., Grabic R., Grabicová K., Douda K., Slavík O., Randák T., Prescribed aggression of fishes: Pharmaceuticals modify aggression in environmentally relevant concentrations, ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, 227, 112944, 2021. FI: 7.129	19.07
14. Li S., Zhang Y., Xue H., Zhang Q., Chen N., Wan J., Sun L., Chen Q., Zong Y., Zhuang F., Gu P., Zhang A., Cui F., Tu Y., Integrative effects based on behavior, physiology and gene expression of tritiated water on zebrafish, ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, 225,112770, 2021. FI: 7.129	19.07
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1. Hlihor, R.-M., Petronela, C. and Gavrilescu, M. Removal of Heavy Metals From the Environment by Phytoremediation and Microbial Remediation. In Sustainable Solutions for Environmental Pollution, N.S. El-Gendy (Ed.), 2022	10
Lucrarea: Lipopeptides produced by Bacillus subtilis as new biocontrol products against fusariosis in ornamental plants. Environmental Science and Pollution Research 25(30): 29784 –29793, 2018. Autorii: Mihalache G. , Balaes T., Gostin I., Stefan M., Coutte F., Krier F. (Număr autori = 6)	
1. Wu B. Preface. Natural products journal 12 (1):2-2, e160921184776, 2022.	8.33
2. Mukherjee, S., Pandey, V., Parvez, A., Qi, X., Hussain, T. (2022) Bacillus as a Versatile Tool for Crop Improvement and Agro-Industry. In: Islam, M.T., Rahman, M., Pandey, P. (eds) Bacilli in Agrobiotechnology. Bacilli in Climate Resilient Agriculture and Bioprospecting. Springer, Cham.	8.33
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4. Chakraborty, M., Islam, T. (2022). Antifungal Secondary Metabolites Against Blast Fungus Magnaporthe oryzae. In: Sayyed, R., Singh, A., Ilyas, N. (eds) Antifungal Metabolites of Rhizobacteria for Sustainable Agriculture. Fungal Biology. Springer, Cham.	8.33
5. Rahman, M., Miah, M.N.A., Dudding, W. (2022). Mechanisms Involved with Bacilli-Mediated Biotic and Abiotic Stress Tolerance in Plants. In: Islam, M.T., Rahman, M., Pandey, P. (eds) Bacilli in Agrobiotechnology. Bacilli in Climate Resilient Agriculture and	8.33

	Bioprospecting. Springer, Cham.	
	6. Théatre, A. et al. (2021). Bacillus sp.: A Remarkable Source of Bioactive Lipopeptides. In: Hausmann, R., Henkel, M. (eds) Biosurfactants for the Biobased Economy. Advances in Biochemical Engineering/Biotechnology, vol 181. Springer, Cham.	8.33
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	8. Adrien Anckaert, Anthony Arguelles Arias, Grégory Hoff, Maryline Calonne-Salmon and Stéphane, Marc Ongena 2021 The use of Bacillus spp. as bacterial biocontrol agents to control plant diseases. Burleigh Dodds Science Publishing	8.33
	Lucrarea: A novel synthetic flavonoid with potent antibacterial properties: In vitro activity and proposed mode of action. Autorii: Babii C., Mihalache G. , Bahrin L.G., Neagu A.N., Gostin I., Mihai C.T., Sârbu L.G., Birsă L.M., Stefan M. (Număr autori = 9)	
	1. Ng WJ., Shit CS., Ee KY., Chai TT. (2021) Plant Natural Products for Mitigation of Antibiotic Resistance. In: Panwar H., Sharma C., Lichtfouse E. (eds) Sustainable Agriculture Reviews 49. Sustainable Agriculture Reviews, vol 49. Springer, Cham.	5.56
	Lucrarea: Phosphate-solubilizing bacteria associated with runner bean rhizosphere, Archives of Biological Sciences 67(3): 793 – 800, 2015. Autorii: Mihalache G. , Zamfirache MM, Mihasan M., Ivanov I., Stefan M., Raus L. (Număr autori = 6)	
	1. Khan M.S., Rizvi A., Saif S., Zaidi A. Phosphate-Solubilizing Microorganisms in Sustainable Production of Wheat: Current Perspective. In: Kumar V., Kumar M., Sharma S., Prasad R. (eds) Probiotics in Agroecosystem. Springer, Singapore, 2017.	8.33
	Lucrarea: Root associated bacteria– friends or enemies? A review, Memoirs of the Scientific Sections of the Romanian Academy, Tome XXXVIII, 27-54, 2015. Autorii: Mihalache G. , Zamfirache MM, Stefan M., (Număr autori = 3)	
	1. Mukesh Meena, Manish Kumar Dubey, Prashant Swapnil, Andleeb Zehra, Shalini Singh, Punam Kumari and R.S. Upadhyay 2017, The Rhizosphere Microbial Community and Methods of its Analysis. In: Advances in PGPR Research, Harikesh B. Singh, Birinchi K. Sarma, Chetan Keswani (eds.), CABI, Boston, USA, 275-296.	16.66
	În monografiile academice din țară (Metoda de calcul: 25 puncte / număr autori, pentru fiecare citare)	
	Lucrarea:	
	1.	
	2.	
	Subtotal 12	2006.35
13.	Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)	
	Străinătate (Metoda de calcul: 25 puncte pentru fiecare activitate)	
	1.	
	2.	
	Țară (Metoda de calcul: 10 puncte pentru fiecare activitate)	
	1.	
	2.	
	Subtotal 13	
14.	Profesor/cercetător invitat la universități/institute de cercetare	

	Străinătate (Metoda de calcul: 25 puncte pentru fiecare activitate)	
	1.	
	2.	
	Țară (Metoda de calcul: 10 puncte pentru fiecare activitate)	
	1.	
	2.	
	Subtotal 14	
15.	Editor/Membru în Editorial Board & Advisory Board	
	Editor la Reviste cotate Web of Science (Metoda de calcul: 30 puncte pentru fiecare revistă)	
	1.	
	2.	
	Membru în colective de redacție la Reviste cotate Web of Science (Metoda de calcul: 20 puncte pentru fiecare revistă)	
	1.	
	2.	
	Editor la reviste internaționale și alte reviste ale Universității (Metoda de calcul: 10 puncte pentru fiecare revistă)	
	1.	
	2.	
	Membru în colective de redacție la la reviste internaționale și alte reviste ale Universității (Metoda de calcul: 20 puncte pentru fiecare revistă)	
	1.	
	2.	
	Subtotal 15	
16.	Premii internaționale obținute printr-un proces de selecție (Metoda de calcul: 100 puncte / categorie / număr persoane)	
	1.	
	2.	
	Subtotal 16	
17.	Premii ale Academiei Române (Metoda de calcul: 50 puncte / categorie / număr persoane)	
	1.	
	2.	
	Subtotal 17	
18.	Alte premii naționale ale instituțiilor culturale (Metoda de calcul: 20 puncte / categorie / număr persoane)	
	1.	
	2.	
	Subtotal 18	
19.	Participări la manifestări științifice	
	Internaționale – în calitate de președinte comitet de organizare /consiliu științific (Metoda de calcul 25 puncte)	
	1.	

	2.	
Internaționale – în calitate de membru comitet organizare/consiliu științific (Metoda de calcul: pentru fiecare activitate 15 puncte)		
	1.	
	2.	
Internaționale – în calitate de moderator de panel (Metoda de calcul: pentru fiecare activitate 15 puncte)		
	1.	
	2.	
Internaționale – raportor pe secțiuni/paneluri (Metoda de calcul: pentru fiecare activitate 10 puncte)		
	1.	
	2.	
Naționale – în calitate de președinte comitet de organizare /consiliu științific (Modalitate de calcul 15 puncte)		
	1.	
	2.	
Naționale – în calitate de membru comitet organizare/consiliu științific (Metoda de calcul: pentru fiecare activitate 5 puncte)		
	1.	
	2.	
Naționale – în calitate de moderator de panel (Metoda de calcul: pentru fiecare activitate 5 puncte)		
	1.	
	2.	
Naționale – raportor pe secțiuni/paneluri (Metoda de calcul: pentru fiecare activitate 2 puncte)		
	1.	
	2.	
	Subtotal 19	
TOTAL ACTIVITATEA DE CERCETARE		2607.4

Data: 14-12-2022

CS dr. Gabriela MIHALACHE