

LISTĂ DE LUCRĂRI ȘTIINȚIFICE

a) 10 lucrări relevante pentru domeniul disciplinelor postului

1. **Boiangiu, R.S.**, Popa, L.N., Mihasan, M., 2025 – Impact of 3D-printed molecular models on student understanding of macromolecular structures: a compensatory research study. *Biochemistry and Molecular Biology Education*, 1-12, <https://doi.org/10.1002/bmb.21902> (IF = 1,2).
2. Postu, P.A., **Boiangiu, R.S.**, Mihasan, M., Stache, A.B., Tiron, A., Hritcu, L., 2024 – The Distinct Biological Effects of 6-Hydroxy-L-Nicotine in Representative Cancer Cell Lines. *Molecules*, 29(23), 5593, <https://doi.org/10.3390/molecules29235593> (IF = 4,2).
3. **Boiangiu, R.S.**, Brinza, I., Honceriu, I., Mihasan, M., Hritcu, L.; 2024 – Insights into Pharmacological Activities of Nicotine and 6-Hydroxy-L-nicotine, a Bacterial Nicotine Derivative: A Systematic Review. *Biomolecules*, 14(1), 23, <https://doi.org/10.3390/biom14010023> (IF = 4,8).
4. El-Sabeh, A., Mlesnita, A.M., Munteanu, I.T., Honceriu, I., Kallabi, F., **Boiangiu, R.S.**, Mihasan, M., 2023 – Characterisation of the *Paenarthrobacter nicotinovorans* ATCC 49919 genome and identification of several strains harbouring a highly syntenic nic-genes cluster. *BMC Genomics*, 24:536, <https://doi.org/10.1186/s12864-023-09644-3> (IF = 3,5).
5. Brinza, I., **Boiangiu, R.S.**, Mihasan, M., Gorgan, D.L., Stache, A.B., Abd-Alkhalek, A., El-Nashar, H., Ayoub, I., Mostafa, N., Eldahshan, O., Singab, A.N., Hritcu, L., 2024 – Rhoifolin, baicalein 5,6-dimethyl ether and agathisflavone prevent amnesia induced in scopolamine zebrafish (*Danio rerio*) model by increasing the mRNA expression of *bdnf*, *npv*, *egr-1*, *nfr2a*, and *creb1* genes. *European Journal of Pharmacology*, 984(2024), 177013, 1-29, <https://doi.org/10.1016/j.ejphar.2024.177013> (IF = 4,2).
6. Valu, M.V.; Soare, L.C.; Ducu, C.; Moga, S.; Negrea, D.; Vamanu, E.; Balseanu, T.A.; Carradori, S.; Hritcu, L.; **Boiangiu, R.S.**; 2021 – *Hericium erinaceus* (Bull.) Pers. Ethanollic Extract with Antioxidant Properties on Scopolamine-Induced Memory Deficits in a Zebrafish Model of Cognitive Impairment. *Journal of Fungi* 7(6), 477, <https://doi.org/10.3390/jof7060477> (IF = 5,816);
7. Mihasan, M; **Boiangiu, R.S.**; Guzun, D.; Babii, C.; Aslebagh, R.; Channaveerappa, D.; Dupree, E.; Darie, C.C.; 2021 – Time-Dependent Analysis of *Paenarthrobacter nicotinovorans* pAO1 Nicotine-Related Proteome. *ACS Omega*, 6(22), 14242-14251, <https://doi.org/10.1021/acsomega.1c01020> (IF = 3,512);
8. **Boiangiu, R.S.**; Mihasan, M.; Gorgan, D.L.; Stache, B.A.; Hritcu, L.; 2021 – Anxiolytic, promnesic, anti-acetylcholinesterase and antioxidant effects of cotinine and 6-hydroxy-L-nicotine in scopolamine-induced zebrafish (*Danio rerio*) model of Alzheimer's Disease. *Antioxidants*, 10(2), 212, <https://doi.org/10.3390/antiox10020212> (IF = 6,313);
9. Brinza, I.; **Boiangiu, R.S.**; Hancianu, M.; Cioanca, O.; Orhan, I.E.; Hritcu, L.; 2021 – Bay leaf (*Laurus nobilis* L.) incense improved scopolamine-induced amnesic rats by restoring cholinergic dysfunction and brain antioxidant status. *Antioxidants*, 10(2), 259, <https://doi.org/10.3390/antiox10020259> (IF = 6,313);

10. Boiangiu, R.S. ; Mihasan, M.; Gorgan, D.L.; Stache, B.A.; Petre, B.A.; Hritcu, L.; 2020 – Cotinine and 6-hydroxy-L-nicotine reverses memory deficits and reduces oxidative stress in A β 25-35-induced rat model of Alzheimer's disease. <i>Antioxidants</i> , 9(8), 768, https://doi.org/10.3390/antiox9080768 (IF = 6,313);
b) Teza de doctorat
1. Boiangiu, R.S. ; 2021 – Impactul nicotinei și al derivaților nicotinici asupra afecțiunilor neurodegenerative. Studii pe modele animale ale bolii Alzheimer.
c) Brevete de invenție și alte titluri de proprietate intelectuală
-
d) Cărți și capitole de cărți
1. Hritcu, L., Boiangiu, R.S. , Edmond, M.P., Eldahshan, O.A. (2023). Baicalin: Advances on Resources, Biosynthesis Pathway, Bioavailability, Bioactivity, and Pharmacology. In: Xiao, J. (eds) <i>Handbook of Dietary Flavonoids</i> . Springer, Cham. https://doi.org/10.1007/978-3-030-94753-8_4-1 .
e) Articole/studii publicate in extenso în reviste din circuitul științific internațional
1. Boiangiu, R.S. , Popa, L.N., Mihasan, M., 2025 – Impact of 3D-printed molecular models on student understanding of macromolecular structures: a compensatory research study. <i>Biochemistry and Molecular Biology Education</i> , 1-12, https://doi.org/10.1002/bmb.21902 (IF = 1,2).
2. Brinza, I.; Boiangiu, R.S. , Honceriu, I., Abd-Alkhalek, A.M., Osman, S.M., Eldahshan, O.A., Todirascu-Ciornea, E., Dumitru, G., Hritcu, L., 2025 – Neuroprotective Potential of Origanum majorana L. Essential Oil Against Scopolamine-Induced Memory Deficits and Oxidative Stress in a Zebrafish Model. <i>Biomolecules</i> , 15, 138, https://doi.org/10.3390/biom15010138 (IF = 4,8).
3. Postu, P.A., Boiangiu, R.S. , Mihasan, M., Stache, A.B., Tiron, A., Hritcu, L., 2024 – The Distinct Biological Effects of 6-Hydroxy-L-Nicotine in Representative Cancer Cell Lines. <i>Molecules</i> , 29(23), 5593, https://doi.org/10.3390/molecules29235593 (IF = 4,2).
4. Brinza, I., Boiangiu, R.S. , Mihasan, M., Gorgan, D.L., Stache, A.B., Abd-Alkhalek, A., El-Nashar, H., Ayoub, I., Mostafa, N., Eldahshan, O., Singab, A.N., Hritcu, L., 2024 – Rhoifolin, baicalein 5,6-dimethyl ether and agathisflavone prevent amnesia induced in scopolamine zebrafish (Danio rerio) model by increasing the mRNA expression of bdnf, npy, egr-1, nfr2 α , and creb1 genes. <i>European Journal of Pharmacology</i> , 984(2024), 177013, 1-29, https://doi.org/10.1016/j.ejphar.2024.177013 (IF = 4,2).
5. Bouabdallah, S., Ibrahim, M.H., Brinza, I., Boiangiu, R.S. , Honceriu, I., Amin, A., Ben-Attia, M., Hritcu, L., 2024 – Anxiolytic and Antidepressant Effects of Tribulus terrestris Ethanolic Extract in Scopolamine-Induced Amnesia in Zebrafish: Supported by Molecular Docking Investigation Targeting Monoamine Oxidase A. <i>Pharmaceuticals</i> , 17(9), 1208, https://doi.org/10.3390/ph17091208 (IF = 4,3).
6. Brinza, I., Boiangiu, R.S. , Honceriu, I., Abd-Alkhalek, A.M., Eldahshan, O.A., Dumitru, G., Hritcu, L., Todirascu-Ciornea, E., 2024 – Investigating the Potential of Essential Oils from Citrus reticulata Leaves in Mitigating Memory Decline and Oxidative Stress in the

- Scopolamine-Treated Zebrafish Model. *Plants*, 13(12), 1648, <https://doi.org/10.3390/plants13121648> (IF = 4).
7. Bouabdallah, S., Brinza, I., **Boiangiu, R.S.**, Ibrahim, M.H., Honceriu, I., Al-Maktoum, A., Cioanca, O., Hancianu, M., Amin, A., Ben-Attia, M., Hritcu, L., 2024 – The Effect of a Tribulus-Based Formulation in Alleviating Cholinergic System Impairment and Scopolamine-Induced Memory Loss in Zebrafish (*Danio rerio*): Insights from Molecular Docking and In Vitro/In Vivo Approaches. *Pharmaceuticals*, 17(2), 200, <https://doi.org/10.3390/plants13121648> (IF = 4,3).
 8. **Boiangiu, R.S.**, Brinza, I., Honceriu, I., Mihasan, M., Hritcu, L.; 2024 – Insights into Pharmacological Activities of Nicotine and 6-Hydroxy-L-nicotine, a Bacterial Nicotine Derivative: A Systematic Review. *Biomolecules*, 14(1), 23, <https://doi.org/10.3390/biom14010023> (IF = 4,8).
 9. El-Sabeh, A., Mlesnita, A.M., Munteanu, I.T., Honceriu, I., Kallabi, F., **Boiangiu, R.S.**, Mihasan, M., 2023 – Characterisation of the *Paenarthrobacter nicotinovorans* ATCC 49919 genome and identification of several strains harbouring a highly syntenic nic-genes cluster. *BMC Genomics*, 24:536, <https://doi.org/10.1186/s12864-023-09644-3> (IF = 3,5).
 10. Brinza, I., **Boiangiu, R.S.**, Cioanca, O., Hancianu, M., Dumitru, G., Hritcu, L., Birsan, G-C., Todirascu-Ciornea, E., 2023 – Direct Evidence for Using *Coriandrum sativum* var. *microcarpum* Essential Oil to Ameliorate Scopolamine-Induced Memory Impairment and Brain Oxidative Stress in the Zebrafish Model. *Antioxidants*, 12(8):1534, <https://doi.org/10.3390/antiox12081534> (IF = 6).
 11. Barbacariu, C-A., Rimbu, C.M., Burducea, M., Dirvariu, L., Miron, L.D., **Boiangiu, R.S.**, Dumitru, G., Todirascu-Ciornea, E., 2023 – Comparative Study of Flesh Quality, Blood Profile, Antioxidant Status, and Intestinal Microbiota of European Catfish (*Silurus glanis*) Cultivated in a Recirculating Aquaculture System (RAS) and Earthen Pond System. *Life*, 13(6):1282, <https://doi.org/10.3390/life13061282> (IF = 3,2).
 12. **Boiangiu, R.S.**; Bagci, E., Dumitru, G., Hritcu, L., Todirascu-Ciornea, E., 2023 – Promnesic, Anxiolytic and Antioxidant Effects of *Glaucosciadium cordifolium* (Boiss.) Burt & Davis Essential Oil in a Zebrafish Model of Cognitive Impairment. *Plants*, 12(4), 784, <https://doi.org/10.3390/plants12040784> (IF = 4).
 13. Barbacariu, C.A., Rimbu, C.M., Dirvariu, L., Burducea, M., **Boiangiu, R.S.**, Todirascu-Ciornea, E., Dumitru, G., 2022 – Evaluation of DDGS as a Low-Cost Feed Ingredient for Common Carp (*Cyprinus carpio* Linneus) Cultivated in a Semi-Intensive System. *Life*, 12(10), 1609, <https://doi.org/10.3390/life12101609> (IF = 3,2).
 14. Pecio, L., Kozachok, S., Brinza, I., **Boiangiu, R.S.**, Hritcu, L., Mircea, C., Burlec, A.F., Cioanca, O., Hancianu, M., Wronikowska-Denysiuk, O., Skalicka-Wozniak, K., Oleszek, W., 2022 – Neuroprotective Effect of *Yucca schidigera* Roezl ex Ortgies Bark Phenolic Fractions, *Yuccaol B* and *Gloriosaol A* on Scopolamine-Induced Memory Deficits in Zebrafish. *Molecules*, 27, 3692, <https://doi.org/10.3390/molecules27123692> (IF = 4,6).
 15. El-Sabeh, A., Honceriu, I., Kallabi, F., **Boiangiu, R.S.**, Mihasan, M., 2022 – Complete Genome Sequences of Two Closely Related *Paenarthrobacter nicotinovorans* Strains.

16. Kamda, J.L.D.; **Boiangiu, R.S.**; Brinza, I.; Kenko Djoumessi, L.B.; Rebe, R.N.; Kamleu, B.N.; Guedang, S.D.N.; Camdi, G.W.; Bouvourné, P.; Keugong, E.W.; Ngatanko, H.H.A.; Cioanca, O.; Hancianu, M.; Foyet, H.S.; Hritcu, L.; 2022 – Neuroprotective Potential of *Guiera senegalensis* (Combretaceae) Leaf Hydroethanolic Extract against Cholinergic System Dysfunctions and Oxidative Stress in Scopolamine-Induced Cognitive Impairment in Zebrafish (*Danio rerio*). *Plants*, 11, 1149. <https://doi.org/10.3390/plants11091149>; (IF = 3,935);
17. **Boiangiu, R.S.**; Bagci, E.; Dumitru, G.; Hritcu, L.; Todirascu-Ciornea, E.; 2022 – *Angelica purpurascens* (Avé-Lall.) Gilli. Essential Oil Improved Brain Function via Cholinergic Modulation and Antioxidant Effects in the Scopolamine-Induced Zebrafish (*Danio rerio*) Model. *Plants*, 11(8):1096. <https://doi.org/10.3390/plants11081096> (IF = 3,935)
18. Valu, M.V.; Soare, L.C.; Ducu, C.; Moga, S.; Negrea, D.; Vamanu, E.; Balseanu, T.A.; Carradori, S.; Hritcu, L.; **Boiangiu, R.S.**; 2021 – *Hericium 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), 477, <https://doi.org/10.3390/jof7060477> (IF = 5,816);
19. Valu, M.V.; Ducu, C.; Moga, S.; Negrea, D.; Hritcu, L.; **Boiangiu, R.S.**; Vamanu, E.; Balseanu, T.A.; Carradori, S.; Soare, L.C.; 2021. – Effects of the Hydroethanolic Extract of *Lycopodium selago* L. on Scopolamine-Induced Memory Deficits in Zebrafish. *Pharmaceuticals* 14(6), 568, <https://doi.org/10.3390/ph14060568> (IF = 5,863);
20. Mihasan, M; **Boiangiu, R.S.**; Guzun, D.; Babii, C.; Aslebagh, R.; Channaveerappa, D.; Dupree, E.; Darie, C.C.; 2021 – Time-Dependent Analysis of *Paenarthrobacter nicotinovorans* pAO1 Nicotine-Related Proteome. *ACS Omega*, 6(22), 14242-14251, <https://doi.org/10.1021/acsomega.1c01020> (IF = 3,512);
21. Brinza, I.; **Boiangiu, R.S.**; Hancianu, M.; Cioanca, O.; Orhan, I.E.; Hritcu, L.; 2021 – Bay leaf (*Laurus nobilis* L.) incense improved scopolamine-induced amnesic rats by restoring cholinergic dysfunction and brain antioxidant status. *Antioxidants*, 10(2), 259, <https://doi.org/10.3390/antiox10020259> (IF = 6,313);
22. **Boiangiu, R.S.**; Mihasan, M.; Gorgan, D.L.; Stache, B.A.; Hritcu, L.; 2021 – Anxiolytic, promnesic, anti-acetylcholinesterase and antioxidant effects of cotinine and 6-hydroxy-L-nicotine in scopolamine-induced zebrafish (*Danio rerio*) model of Alzheimer's Disease. *Antioxidants*, 10(2), 212, <https://doi.org/10.3390/antiox10020212> (IF = 6,313);
23. Valu, M.V.; Soare, L.C.; Sutan, N.A.; Ducu, C.; Moga, S.; Hritcu, L.; **Boiangiu, R.S.**; Carradori, S.; 2020 – Optimization of Ultrasonic Extraction to Obtain Erinacine A and Polyphenols with Antioxidant Activity from the Fungal Biomass of *Hericium erinaceus*. *Foods*, 9(12), 1889, <https://doi.org/10.3390/foods9121889> (IF = 4,350);
24. **Boiangiu, R.S.**; Mihasan, M.; Gorgan, D.L.; Stache, B.A.; Petre, B.A.; Hritcu, L.; 2020 – Cotinine and 6-hydroxy-L-nicotine reverses memory deficits and reduces oxidative stress in

- A β 25-35-induced rat model of Alzheimer's disease. *Antioxidants*, 9(8), 768, <https://doi.org/10.3390/antiox9080768> (IF = 6,313);
25. Brinza, I., Abd-Alkhalek, A.M., El-Raey, M.A., **Boiangiu, R.S.**, Eldahshan, O.A., Hritcu, L., 2020 – Ameliorative Effects of Rhoifolin in Scopolamine-Induced Amnesic Zebrafish (Danio rerio) Model. *Antioxidants*, 9(7), 580, <https://doi.org/10.3390/antiox9070580>;
 26. Abidar, S.; **Boiangiu, R.S.**; Dumitru, G.; Todirascu-Ciornea, E.; Amakran, A.; Cioanca, O.; Hritcu, L.; Nhiri, M.; 2020 – The aqueous extract from Ceratonia siliqua leaves protects against 6-hydroxydopamine in zebrafish: understanding the underlying mechanism. *Antioxidants*, 9(4), 304, <https://doi.org/10.3390/antiox9040304> (IF = 6,313);
 27. Hritcu, L.; **Boiangiu, R.S.**; Castro de Moraes, M.; Pergentino de Sousa, D.; 2020 – (-)-cis-Carveol, a natural compound, improves amyloid-beta (1-42)-induced memory impairment and oxidative stress in the rat hippocampus. *BioMed Research International*, Volume 2020, Article ID 8082560, <https://doi.org/10.1155/2020/8082560> (IF = 3,411);
 28. **Boiangiu, R.S.**, Brinza, I., Hancianu, M., Orhan, I.E., Eren, G., Gunduz, E., Ertas, H., Hritcu, L., Cioanca, O., 2020 – Cognitive facilitation and antioxidant effects of an essential oil mix on scopolamine-induced amnesia in rats: molecular modeling of in vitro and in vivo approaches. *Molecules*, 25(7), 1519, <https://doi.org/10.3390/molecules25071519> (IF = 4,412);
 29. Capatina, L.; **Boiangiu, R.S.**; Dumitru, G.; Napoli, E.M.; Ruberto, G.; Hritcu, L.; Todirascu-Ciornea, E.; 2020 – Rosmarinus officinalis Essential Oil Improves Scopolamine-Induced Neurobehavioral Changes via Restoration of Cholinergic Function and Brain Antioxidant Status in Zebrafish (Danio rerio). *Antioxidants*, 9(1), 62, <https://doi.org/10.3390/antiox9010062> (IF = 6,313);
 30. Todirascu-Ciornea, E.; El-Nashar, H.A.S.; Mostafa, N.M.; Eldahshan, O.; **Boiangiu, R.S.**; Dumitru, G.; Hritcu, L.; Singab, A.N.; 2019 – Schinus terebinthifolius essential oil attenuates scopolamine-induced memory deficits via cholinergic modulation and antioxidant properties in a zebrafish model. *Evidence-Based Complementary and Alternative Medicine*, Volume 2019, Article ID 5256781, 11 pages, <https://doi.org/10.1155/2019/5256781> (IF = 1,813);
 31. Hritcu, L.; Abidar, S.; Dumitru, G.; **Boiangiu, R.S.**; Nhiri, M.; Sandu, I.; Todirascu-Ciornea, E.; 2019 – Ceratonia siliqua methanolic extract on 6-OHDA zebrafish model: Antiacetylcholinesterase and anxiolytic profile. *REVISTA DE CHIMIE* (Bucharest), 70(4), pp. 1364-1367, <https://doi.org/10.37358/RC.19.4.7128> (IF = 1,755);
 32. Todirascu-Ciornea, E.; Dumitru, G.; Coprean, D.; Tigran, L.M.; **Boiangiu, R.S.**; Sandu, I.; Hritcu, L.; 2019 – Effect of micotoxins treatment on oxidative stress, memory and anxious behavior in zebrafish (Danio rerio). *REVISTA DE CHIMIE* (Bucharest), 70(3), 776-780, <https://doi.org/10.37358/RC.19.3.7005> (IF = 1,755);
 33. Dumitru, G., El-Nashar, H.A.S., Mostafa, N.M., Eldahshan, O.A., **Boiangiu, R.S.**, Todirascu-Ciornea, E., Hritcu, L., Singab, A.N.B., 2019 – Agathisflavone isolated from Schinus polygamus (Cav.) Cabrera leaves prevents scopolamineinduced memory impairment

and brain oxidative stress in zebrafish (*Danio rerio*). *Phytomedicine*, 58, 152889, <https://doi.org/10.1016/j.phymed.2019.152889> (IF = 4,268);

34. Dumitru, G.; Abidar, S.; Nhiri, M.; Hritcu, L.; **Boiangiu, R.S.**; Sandu, I.; Todirascu-Ciornea, E.; 2018 – Effect of *Ceratonia Siliqua* methanolic extract and 6-hydroxydopamine on memory impairment and oxidative stress in zebrafish (*Danio rerio*) model. *REVISTA DE CHIMIE* (Bucharest), 69(12), 3545-3548, <https://doi.org/10.37358/RC.18.12.6788> (IF = 1,755);

f) Publicații in extenso apărute în lucrări ale principalelor conferințe internaționale de specialitate

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g) Alte lucrări și contribuții științifice

1. **Boiangiu, R.S.**, Mihasan, M., 2024 – Impact of 3D-printed molecular models on teaching – a compensatory research study. *FEBS Open Bio*, 14: S2, pp. 511, P-E-01-03, <https://doi.org/10.1002/2211-5463.13837> (IF = 2,8).
2. Hritcu, L., **Boiangiu, R.S.**, Honceriu, I., Brinza, I., Mihasan, M., 2024 – 6-Hydroxy-L-nicotine alleviates cognitive impairments in 5XFAD transgenic mice. *FEBS Open Bio*, 14: S2, pp. 402-403, P-32-057, <https://doi.org/10.1002/2211-5463.13837> (IF = 2,8).
3. **Boiangiu, R.S.**, Brinza, I., Orhan, I.E., Hritcu, L. 2024 – The impact of *Myrtus communis* essential oil on cognition, anxiety and oxidative stress in a zebrafish (*Danio rerio*) model of Alzheimer's disease. *FEBS Open Bio*, 14: S2, pp. 366, P-30-048, <https://doi.org/10.1002/2211-5463.13837> (IF = 2,8).
4. **Boiangiu, R.S.**, Bagci, E., Dumitru, G., Hritcu, L., Todirascu-Ciornea, E., 2023 – The neurological effects of *Glaucosciadium cordifolium* (Boiss.) Burt & Davis essential oil in a zebrafish model of cognitive impairment. *FEBS Open Bio*, 13: S2, pp. 194, P-08.1-16, <https://doi.org/10.1002/2211-5463.13646> (IF = 2,8).
5. Honceriu, I., **Boiangiu, R.S.**, Brinza, I., Hritcu, L., 2023 – Anti-dementia effects of mansorin A and mansonone G in zebrafish. *FEBS Open Bio*, 13: S2, pp. 200, P-08.1-33, <https://doi.org/10.1002/2211-5463.13646> (IF = 2,8).
6. **Boiangiu, R.S.**, Bagci, E., Dumitru, G., Hritcu, L., Todirascu-Ciornea, E., 2023 – The neurological effects of *Glaucosciadium cordifolium* (Boiss.) Burt & Davis essential oil in a zebrafish model of cognitive impairment. *ICNPU 2023 Book of Abstracts*, Editor Prof. Dr. Milen I. Georgiev, ISBN 978-954-25-0390-3, p. 141;
7. **Boiangiu, R.S.**, Mihasan, M., Hritcu, L., 2022 – Anxiolytic, antidepressant and antioxidant effects of cotinine and 6-hydroxy-L-nicotine in an A β -induced rat model of Alzheimer disease. *FEBS Open Bio*, 12(S1), P-01.2-001, <https://doi.org/10.1002/2211-5463.13440> (IF = 2,6).
8. El-Sabeh, A., Honceriu, I., Kallabi, F., **Boiangiu, R.S.**, Mihasan, M., 2022 – Genome sequence of *Paenarthrobacter nicotinovorans* strain ATCC 49919, a nicotine-degrading soil microorganism. *FEBS Open Bio*, 12(S1), ShT-06.1-1, <https://doi.org/10.1002/2211-5463.13440> (IF = 2,6).

9. Brinza, I., **Boiangiu, R.S.**, Hritcu, L., Singab, A.N., 2021 – Baicalin and Rhoifolin prevents scopolamine-induced memory impairment and brain oxidative stress in zebrafish (*Danio rerio*). *FEBS Open Bio*, 11: S1, P-03.1-23, <https://doi.org/10.1002/2211-5463.13205> (IF = 2,693);
10. **Boiangiu, R.S.**, Mihasan, M., Hritcu, L., 2021 – Cotinine and 6-hydroxy-L-nicotine attenuates memory deficits and reduce anxiety and oxidative stress in a zebrafish (*Danio rerio*) model of Alzheimer's Disease. *FEBS Open Bio*, 11: S1, P-03.1-04, <https://doi.org/10.1002/2211-5463.13205> (IF = 2,693);
11. **Boiangiu, R.S.**, Mihasan, M., Hritcu, L.– Anti-acetylcholinesterase and pro-cognitive profile of cotinine and 6-hydroxy-l-nicotine in an A β 25-35-induced rat model of Alzheimer's Disease – *Journal of Experimental and Molecular Biology*, 20(3), <http://www.jemb.bio.uaic.ro/index.php/jemb/issue/view/7/6>;
12. Hritcu, L., Dumitru, G., El-Nashar, H.A., Mostafa, N.M., Eldahshan, O.A., **Boiangiu, R.S.**, Todirascu-Ciornea, E., Singab, A.N.B., 2019 – Agathisflavone isolated from *Schinus polygamus* (cav.) Cabrera leaves prevents scopolamine-induced memory impairment and brain oxidative stress in zebrafish (*Danio rerio*). *FEBS Open Bio*, 9: S1 P-15-006, <https://doi.org/10.1002/2211-5463.12675> (IF = 2,231);
13. **Boiangiu, R.S.**, Mihasan, M., Hritcu, L., 2019 – Effects of cotinine and 6-hydroxy-L-nicotine on memory impairment in A β 25-35 peptide-induced an Alzheimer's disease rat model. *FEBS Open Bio*, 9: S1, P-24-033, <https://doi.org/10.1002/2211-5463.12675> (IF = 2,231);
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