

INFORMAȚII PERSONALE



Ira-Adeline SIMIONOV

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Data nașterii: 23.06.1989, Nationalitate: Română

Hwos = 10

EXPERIENȚA
PROFESIONALĂ

Feb 2024 – Prezent	Șef Lucrări în cadrul Facultății de Știința și Ingineria Alimentelor, Departamentul Știința Alimentelor, Ingineria Alimentelor, Biotehnologii și Acvacultură, Universitatea „Dunărea de Jos” din Galați”.
Feb 2022 – Feb 2024	Asistent universitar în cadrul Facultății de Știința și Ingineria Alimentelor, Departamentul Știința Alimentelor, Ingineria Alimentelor, Biotehnologii și Acvacultură, Universitatea „Dunărea de Jos” din Galați”.
Iul 2019 – Feb 2022	Inginer de cercetare în cadrul Laboratorului de Controlul Calității Apei, Centrul Român pentru Modelarea Sistemelor Recirculante de Acvacultură, Universitatea „Dunărea de Jos” din Galați.
Oct 2024 - Prezent	Cercetător în cadrul proiectului nr. 101172857, HORIZON, “Revolutionary Refurbishment For An Efficient And Ecofriendly Hydropower”, (RevHydro).
Ian 2024 - Prezent	Cercetător în cadrul PN-IV-P7-7.1-PTE-2024-0249, “Barieră comportamentală automatizată pentru conservarea biodiversității prin evitarea captării peștilor în prizele de apă” – LEADER
Iul 2024 - Prezent	Cercetător în ecologie și protecția mediului în cadrul proiectului nr. 101156533, HORIZON-MISS-2023-OCEAN-01, “Innovative Sediment Management Framework for a Sustainable Danube Black Sea System (SUNDANSE)”.
Iun 2024 - Prezent	Cercetător în ecologie și protecția mediului în cadrul proiectului HORIZON, ”Integrated emerging approaches for joint protection and restoration of Natural Lakes in the spirit of European life heritage support (ProCleanLakes)”, contract de finanțare nr. 101157886/2024.
Oct 2023 - Prezent	Responsabil contract nr. 32114/20.10.2023 „Ecological Intensification and Sustainable Aquaculture for Cambodia – EISACAM” Joint-Venture for IT1 “Hatcheries development and Researches on Ecological intensification” EU Project CapFish Aqua (Valoare totala: 31.400 USD, curs EURO din 20.10.2023: 4.9734 echivalent a 28.638 EUR).
Sep 2023 - Prezent	Director proiect (coordonator) în cadrul proiectului nr. 3532/30.10.2023,, Advancing the Integration of Soft Skills in Higher Education for Water”, 2023-1-RO01-KA220-HED-000160511. (Valoare proiect 250.000 EUR).
Nov 2023 – Prezent	Cercetător în cadrul proiectului nr. 101112736/01.06.2023, HORIZON, „Restoration of wetland complexes as life supporting systems in the Danube Basin (Restore4Life)”.

Iul 2023 - Prezent	Responsabil partener în cadrul proiectului „ADER 14.1.2 - Cercetări privind influența schimbărilor hidroclimatice asupra stocurilor și migrației cârdurilor de scrumbie de Dunăre – Alosa immaculata de la gurile Dunării până la barajul Porțile de Fier 2”. (Valoare proiect 80.000 RON, curs EURO din 17.07.2023: 4.940 echivalent a 16.194 EUR).
Mai 2023 - Prezent	Cercetător în cadrul proiectului „Integrated research and sustainable solutions to protect and restore Lower Danube Basin and coastal Black Sea ecosystems” – ResPonSE.
Mar 2023 - Prezent	Cercetător în cadrul proiectului „Horizon-Miss-2021-Ocean-02, Danube Region Water Lighthouse Action”, DALIA.
Sept 2022 – Feb 2024	Ihtiolog în cadrul proiectului nr. 5206/2022 „Impactul metalelor grele și a microplasticului din organismele acvatice asupra sănătății umane”.
Nov 2021 – Oct 2022	Responsabil contract nr. 780/22.10.2021 (Universitatea “Dunărea de Jos”, Galați) – Cercetări privind profilul de macro- și micro-elemente în sarea provenită de la: Salina Tg. Ocna, Salina Dej, Salina Prahova, Salina Praid, Exploatarea Miniera Râmnicu Vâlcea. (Valoare 52.920 RON, curs EURO 22.10.2021: 4.9467 echivalent 10.698 EUR).
Iun 2021 – Dec 2023	Ecolog în cadrul proiectului „Îmbunătățirea condițiilor hidrologice în habitatele naturale acvatice din Rezervația Biosferei Delta Dunării pentru conservarea biodiversității și a resurselor halieutice - Complexele lacustre Gorgova-Uzlina, Roșu-Puiu”, POIM 120890.
Mar 2021 – Dec 2023	Ecolog în cadrul proiectului „Îmbunătățirea condițiilor hidrologice în habitatele naturale acvatice din RBDD pentru conservarea biodiversității și a resurselor halieutice - Complexele lacustre Șontea-Furtună, Matița-Merhei, Somova Parcheș”, POIM 120889.
Feb 2021- Dec 2023	Ecolog în cadrul proiectului „Îmbunătățirea condițiilor hidrologice în habitatele naturale acvatice din RBDD pentru conservarea biodiversității și a resurselor halieutice - Complexele lacustre Dunăvăț-Dranov, Razim-Sinoie, Zona Sinoie-Istria-Nuntași”, POIM 120892.
Sep 2020 – Oct 2022	Cercetător în cadrul proiectului „Modelarea și controlul mecanismelor de stres subletal la microalge în spiritul conceptului de biorafinărie”, proiect nr. PN-III-P1-1.1-TE2019-2062 , finanțat din fonduri guvernamentale, contract de finanțare nr. TE64 / 2020.
Sep 2020 – Oct 2022	Cercetător în cadrul proiectului „Optimizarea tehnologiilor de creștere a biomasei piscicole și vegetale în cadrul sistemelor multi-trofice de acvacultură intensivă prin utilizarea tehnicilor inteligente de recunoaștere vizuală”, proiect nr. PN-III-P2-2.1-PTE-2019-0697, finanțat din fonduri guvernamentale, contract de finanțare nr. 51PTE / 2020.
Sep 2020 – Aug 2021	Cercetător postdoctoral în cadrul proiectului „Excelența academică și valori antreprenoriale - sistem de burse pentru asigurarea oportunităților de formare și dezvoltare a competențelor antreprenoriale ale doctoranzilor și post doctoranzilor”, contract nr. 36355/23.05.2019 POCU/380/6/13, cod SMIS: 123847 ANTREPRENORDOC.
Iul 2018 – Iul 2019	Asistent de cercetare , Institutul de Cercetare-Dezvoltare pentru Ecologie Acvatică, Pescuit și Acvacultură din Galați.
Ian 2018 – Iul 2018	Asistent de cercetare în cadrul proiectului de cercetare „Ghid de bune practici privind reproducerea și dezvoltarea postembrionară a speciilor dulcicole de pești din România - model de bază în dezvoltarea sectorului piscicol național” finanțat prin contractul cu numărul 124/24.05.2018, Cod Smis 119501, implementat de

- Nov 2017 – Iun 2018 Institutul de Cercetare-Dezvoltare pentru Ecologie Acvatică, Pescuit și Acvacultură din Galați. **Cercetător** în cadrul proiectului „Cercetări privind transformarea potențială a fermelor de pește convenționale în ferme organice prin stabilirea unui model și a unui ghid de bune practice”, Contract nr. 18/2017 – PN-III-3.6- 18/2017.
- Apr 2016 - Mai 2019 **Cercetător** în cadrul proiectului „Researches on the potential conversion of conventional fish farms into organic by establishing a model and good practice guide (ECOFISH), contract nr. 645691/2015, finanțat prin programul Research and Innovation Staff Exchange (RISE)”, proiect nr. H2020-MSCA-RISE-2014.

EDUCAȚIE ȘI FORMARE

- Oct 2021 - Prezent Student doctorand în cadrul Facultății de Automatică, Calculatoare, Inginerie Electrică și Electronică, Dunărea de Jos din Galați, domeniul Ingineria Sistemelor.
- Iun 2022 – Iul 2022 Stagiul extern de cercetare – Tehnologii pentru tratarea apelor potabile și uzate Universitatea Norvegiană de Științele Vieții (NMBU, Oslo)
- Mai 2022 – Iun 2022 Stagiul extern de cercetare – Ingineria bioproceselor Nantes University, GEPEA Laboratory
- Sep 2020 – Sep 2021 Studii postdoctorale în cadrul Facultății de Știința și Ingineria Alimentelor, Universitatea "Dunărea de Jos", Galați, Galați (România).
- Oct 2015 – Dec 2019 Doctor în domeniul Inginerie Industrială (Comform OMEC 4496/10.06.2020) Nivelul EQF 8
Facultatea de Știința și Ingineria Alimentelor, Universitatea "Dunărea de Jos", Galați, Galați (România).
- Aug 2018 – Sep 2018 Stagiul extern de cercetare.
Aug 2016 – Sep 2016 Universitatea CORNELL, Ithaca, New York, Statele Unite ale Americii, Departamentul Food Science.
- Sep 2013 – Iul 2015 Expert în domeniul Zootehniei (diplomă de masterat)
Universitatea de Științe Agricole și Medicină Veterinară “Ion Ionescu de la Brad”, Iași – Facultatea de Zootehnie, Specializarea de Piscicultură. (România).
- Oct 2009 – Iul 2013 Licențiat în Piscicultură și Acvacultură (diplomă de inginer)
Universitatea de Științe Agricole și Medicină Veterinară “Ion Ionescu de la Brad”, Iași – Facultatea de Zootehnie, Specializarea de Piscicultură. (România).

COMPETENTE PERSONALE

Limba maternă	Română		
Alte limbi străine cunoscute	INTELEGERE	VORBIRE	SCRIERE

	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C1	C1	C1	C1	C1

Competențe de comunicare	Abilități de comunicare și ascultare, adaptare rapidă în colective noi, lucru în echipă, abilități de depistare dar și de aplanare a situațiilor conflictuale.
Competențe organizaționale/manageriale	Management eficient al timpului, perseverență în îndeplinirea atribuțiilor, livrarea rezultatelor în intervalul termenelor limită.
Competențe dobândite la locul de muncă	Competențe în ingineria zootehnică, ihtiologie, domeniul managementului producțiilor din acvacultură, în monitorizarea și controlul calității apelor din mediul natural/antropogen, poluarea mediului cu metale grele, ingineria mediului, bioindicatori, sisteme și tehnologii de producție din acvacultură, sisteme multitrofice (acvaponice) integrate, fitoremediere, bioremediere, ihtiopatologie, utilizarea aparatelor și echipamentelor tehnice de laborator și multimedia, dexteritate, analitică, precaută, coordonare manuală și digitală.

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat
- Utilizator experimentat al programelor de scriere, introducere de date, calcul matematic, analiza statistică și GIS (Sisteme informatice Geografice): Microsoft Word, Microsoft Excel, Power Point, Origin Pro, Matlab.				

INFORMAȚII SUPLIMENTARE

Premii

Premiu de excelență - tineri cercetători cu performanțe deosebite în activitatea CDI-TT din cadrul Gala Excelenței în Cercetare 77 UDJG, Universitatea “Dunărea de Jos” din Galați, 2025.

Premiul I în cadrul proiectului „Excelența academică și valori antreprenoriale - sistem de burse pentru asigurarea oportunităților de formare și dezvoltare a competențelor antreprenoriale ale doctoranzilor și post doctoranzilor” – ANTREPRENORDOC, grupul țintă II, 2021.

Best oral paper award, The International Conference Agriculture for Life, Life for Agriculture, 3-5 iunie, 2021, Bucharest, Romania.

The prize of the Aquaculture and Fishery section, Faculty of Animal Sciences, International Scientific Symposium, 17-18 Octombrie, 2019, Iași, România.

Premiul I, The XXVIth International Scientific Symposium Deltas and Wetlands, Section II, Environmental Factors, Ecological Restoration and Anthropic Impact, 18-20 Mai 2018, Tulcea, România.

Brevet de invenție	Depunere cerere de brevet OSIM nr. înregistrare A/00271 din 21.05.2021 Depunere cerere de brevet OSIM nr. Înregistrare A/00671 din 24.10.2022
Anexa 1	Lista lucrărilor științifice publicate și comunicate

ANEXA 1 LISTA PRODUCȚIEI ȘTIINȚIFICE

A. Teză de doctorat

Simionov Ira-Adeline, 2019, Cercetări privind prezența metalelor grele în ecosistemele acvatice naturale și antropogene din Sud-Estul României, Titlul de doctor în domeniul Inginerie Industrială obținut în baza Ordinului Ministerului Educației Naționale nr. 4496 din data de 10.06.2020, Coordonator științific Prof.univ.dr.ing. Victor CRISTEA.

B. Teză de post-doctorat

Simionov Ira-Adeline, 2021, Cercetări privind optimizarea metodologiei de evaluare a poluării cu metale grele a ecosistemelor acvatice lac Barcaz și Soschi, Universitatea „Dunărea de Jos” din Galați, Coordonator științific Prof.univ.dr.ing. Victor CRISTEA.

C. Cărți publicate:

1. Petrea S. M., **Simionov I.A.**, Coadă M., Cristea V., Zugravu A., Cretu M., Bandi C., **Atmospheric and biological models for aquaponics production systems**; LAP Lambert Academic Publishing (2017); în limba engleză, nr. pag. 60, ISBN-13: 978-620-2-06369-2.
2. Cristea V., Zugravu A., Petrea S. M., Coadă M., Cretu M., Bandi C., **Simionov I.A.**, **Start-up guide for recirculating integrated aquaponic systems**; LAP Lambert Academic Publishing (2017); în limba engleză, nr. pag. 152, ISBN – 9786202063739.
3. Nica Aurelia, Petrea Ștefan-Mihai, **Simionov Ira-Adeline**, Iticescu Cătălina, Antache Alina, Metaxa Isabelle, Drogeanu Răzvan, Chemical Perspectives Regarding the Main Biotechnological Strategies for Developing Vaccines in Aquaculture, IFMBE Proceedings, the International Federation for Medical and Biological Engineering, Volume 111, Page 242-251, Electronic ISSN 1433-9277, Print ISSN 1680-0737, DOI10.1007/978-3-031-62523-7_27, 2024, WOS:001434998400027.

D. Articole științifice publicate în reviste Web of Science cu factor de impact

1. **Simionov I.A.**, Lazar N., Antache A., Milea S.A., Burada A., Tudor M., Petrea S.M., Iticescu C., Georgescu P.L., Insights on Accumulation and Biomagnification of Priority and Emerging Contaminants in an Anadromous Fish from a European UNESCO Biosphere Reserve Area, Science of the Total Environment – în curs de evaluare
Impact factor: 8.2 (Q1)
2. Cristea D.S., Lupoae O.D., Petrea S.M., **Simionov I.A.**, Munteanu D., Iticescu C., Clear water, bright futures: Integrating knowledge dynamics and citizen science for the sustainable preservation of aquatic ecosystems, **Journal of Innovation & Knowledge – în curs de evaluare**
Impact factor: 15.6 (Q1)

3. Petrea S.M., Georgescu P.L., Cristea D.S., Munteanu D., **Simionov I.A.**, Călmuc M., Călmuc V.A., Arseni M., Iticescu C., Integrated water-sediments prediction in the Sulina branch of the Danube River based on AutoML techniques, **Water - în curs de evaluare**
Impact factor: 3.3 (Q2)
4. Milea S.A., **Simionov I.A.***, Lazăr N.N, Iticescu C., Timofti M., Georgescu P.L., Faggio C., Comprehensive Risk Assessment of Metals and Minerals in Commercial Seafood Species Using Bioaccessibility Correction, **Journal of Xenobiotics – 2025, 15(3), 92; <https://doi.org/10.3390/jox15030092>** (WOS:001516794100001)
Impact factor: 6.8 (Q1)
5. Constandache D, Andronoiu D-G, Nistor OV, Moraru DI, **Simionov I-A**, Botez E, Mocanu G-D. Insights into Native Fermentation Process of Apples (*Malus domestica*) in Low Sodium Conditions. **Applied Sciences.** 2025; 15(14):7799. <https://doi.org/10.3390/app15147799>, (WOS:001549377100001)
Impact factor: 2.5 (Q2)
6. Constandache D, Andronoiu D-G, Nistor OV, Constantin OE, Moraru DI, **Simionov I-A**, Botez E, Mocanu G-D. The Impact of Total Replacement of Sodium Chloride with Potassium and Magnesium Chloride on Pickling of Granny Smith Apples. **Applied Sciences.** 2025; 15(7):3924. <https://doi.org/10.3390/app15073924> (WOS:001464837300001)
Impact factor: 2.5 (Q2)
7. Antache A, **Simionov I-A***, Petrea Ş-M, Nica A, Georgescu P-L, Oprică L, Grigore M-N, Oroian M, Jitaru D, Liteanu A, et al. Insect–Antioxidants Symbiotic Nexus—Pathway for Sustainable and Resilient Aquaculture: A Case Study for Evaluating Koi Carp Growth and Oxidative Stress Status. **Antioxidants.** 2025; 14(4):371. <https://doi.org/10.3390/antiox14040371> (WOS:001474740200001)
Impact factor: 6.7 (Q1)
8. Lazăr N-N, **Simionov I-A**, Călmuc M, Călmuc V-A, Iticescu C, Georgescu P-L, Timofti M, Drăgan S. Cross-Regional Elemental Comparison of Mussels Using Total Reflection X-Ray Fluorescence (TXRF). **Molecules.** 2025; 30(2):283. (WOS:001404300000001) <https://doi.org/10.3390/molecules30020283>
Impact factor: 4.6 (Q2)
9. **Simionov I.A.**, Barbu M., Vasiliev I., Condrachi L., Titica M., Ifrim G., Cristea D., Nuță F.M., Petrea S.M., Prospective technical and technological insights into microalgae production using aquaculture wastewater effluents, **Journal of Environmental Management**, Volume 377, 124537, 2025, (WOS:001436188800001) <https://doi.org/10.1016/j.jenvman.2025.124537>
Impact factor: 8 (Q1)
10. Popa, M. D., **Simionov, I.-A.**, Petrea, S. M., Georgescu, P.-L., Ifrim, G. A., & Iticescu, C. (2025). Efficiency of Microalgae Employment in Nutrient Removal (Nitrogen and Phosphorous) from Municipal Wastewater. **Water**, 17(2), 260. (WOS:001404809900001) <https://doi.org/10.3390/w17020260>
Impact factor: 3.3 (Q2)
11. Păduraru E, Jijie R, **Simionov I-A**, Gavrilesco C-M, Ilie T, Iacob D, Lupitu A, Moisa C, Muresan C, Copolovici L, et al. Honey Enriched with Additives Alleviates Behavioral, Oxidative Stress, and Brain

Alterations Induced by Heavy Metals and Imidacloprid in Zebrafish. **International Journal of Molecular Sciences**. 2024; 25(21):11730. (WOS:001351462500001).

<https://doi.org/10.3390/ijms252111730>

Impact factor: 5.6 (Q1)

12. Lazăr N.N., **Simionov I.A.***, Petrea S.M., Iticescu C., Georgescu P.L., Dima F., Antache A., The influence of climate changes on heavy metals accumulation in *Alosa immaculata* from the Danube River Basin, **Marine Pollution Bulletin**, Volume 200, 116145, March 2024, (WOS:001185588100001).

<https://doi.org/10.1016/j.marpolbul.2024.116145>

Impact factor: 6.5 (Q1)

13. **Simionov I.A.**, Călmuc M., Iticescu C., Călmuc M., Georgescu P.L., Faggio C., Petrea S.M., Human health risk assessment of potentially toxic elements and microplastics accumulation in products from the Danube River Basin fish market, **Environmental Toxicology and Pharmacology**, Volume 104, November 2023, 104307, (WOS:001109008600001)

<https://doi.org/10.1016/j.etap.2023.104307>

Factor de impact: 4.3 (Q1)

14. Milea S.A., Lazăr N.N., **Simionov I.A.**, Petrea S.M., Călmuc M., Călmuc V., Georgescu P.L., Iticescu C., Effects of cooking methods and co-ingested foods on mercury bioaccessibility in pontic shad (*Alosa immaculata*), **Current Research in Food Science**, 7, 100599, 2023, <https://doi.org/10.1016/j.crfs.2023.100599>, (WOS:001086297700001).

Factor de impact: 6.3 (Q1)

15. Jijie R., Padurare E., **Simionov I.A.**, Faggio C., Ciobica A., Nicoara M., Effects of Single and Combined Ciprofloxacin and Lead Treatments on Zebrafish Behavior, Oxidative Stress, and Elements Content, **International Journal of Molecular Sciences**, 24(5), 4952, 2023, <https://doi.org/10.3390/ijms24054952>, (WOS:000947707700001)

Factor de impact: 6.132 (Q1)

16. Petrea S.M., **Simionov I.A.***, Antache A., Nica A., Oprică L., Miron A., Zamfir C.G, Neculiță M., Dima F.M., Cristea D.S., An Analytical Framework on Utilizing Various Integrated Multi-Trophic Scenarios for Basil Production, **Plants**, 12 (3), 540, 2022, (WOS:000929620500001)

<https://doi.org/10.3390/plants12030540>

Factor de impact: 4.827 (Q1)

17. Cristea D.S., Zamfir C., **Simionov I.A.**, Fortea C., Ionescu R.V., Zlati M., Antohi V., Munteanu D, Petrea S.M., Renewable energy strategy analysis in relation to environmental pollution for BRICS, G7, and EU countries by using a machine learning framework and panel data analysis, **Frontiers in Environmental Science**, Vol 10, 2022, (WOS:000900211500001), <https://doi.org/10.3389/fenvs.2022.1005806>

Factor de impact: 6.314 (Q2)

18. Paduraru E., Flocea E.I., Lazado C.C., **Simionov I.A.**, Nicoară M., Ciobică 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**, 2021, 22(23), 12714, (WOS:000734866500001)

<https://doi.org/10.3390/ijms222312714>

Factor de impact: 6.132 (Q1)

19. Cristea D.S., Rosenberg S., Pustianu Mocanu A., **Simionov I.A.**, Antache Mogodan A., Petrea S.M., Moga L.M., Modelling the Common Agricultural Policy Impact over the EU Agricultural and Rural Environment

- through a Machine Learning Predictive Framework, **Agronomy**, 2021, 11(11), 2105, (WOS:000834736800001) <https://doi.org/10.3390/agronomy11112105>
Factor de impact: 3.417 (Q1)
20. Petrea S.M., Zamfir C., **Simionov I.A.**, Mogodan A., Nuta F.M., Turek Rahoveanu A., Nancu D., Cristea D.S., Buhociu F.M., A Forecasting and Prediction Methodology for Improving the Blue Economy Resilience to Climate Change in the Romanian Lower Danube Euroregion, **Sustainability**, 2021, 13(21), 11563, (WOS:000720469700001), <https://doi.org/10.3390/su132111563>
Factor de impact: 3.251 (Q2)
21. **Simionov I.A.**, Cristea D.S., Petrea S.M., Mogodan A., Jijie R., Ciornea E., Nicoară M., Turek Rahoveanu M.M., Cristea V., Predictive Innovative Methods for Aquatic Heavy Metals Pollution Based on Bioindicators in Support of Blue Economy in the Danube River Basin, **Sustainability**, 2021, 13, 8936, (WOS:000690238300001), <https://doi.org/10.3390/su13168936>
Factor de impact: 3.251 (Q2)
22. Costache M., Cristea D.S., Petrea S.M., Neculita M., Turek Rahoveanu M.M., **Simionov I.A.**, Mogodan A., Sarpe D., Turek Rahoveanu A., Integrating aquaponics production systems into the Romanian green procurement network, **Land Use Policy**, 108, 105531, 2021, (WOS:000688454100005), <https://doi.org/10.1016/j.landusepol.2021.105531>
Factor de impact: 5.398 (Q1)
23. **Simionov I.A.**, Cristea D., Petrea S.M., Mogodan A., Nicoara M., Plavan G., Baltag E.S., Jijie R., Strungaru S.A., Preliminary investigation of lower Danube pollution caused by potentially toxic metals, **Chemosphere**, Volume 264, Part 1, 128496, 2021, (WOS:000599817400073), <https://doi.org/10.1016/j.chemosphere.2020.128496>
Factor de impact: 7.086 (Q1)
24. Petrea S.M., Costache M., Cristea D., Strungaru S.A., **Simionov I.A.**, Mogodan A., Oprica L., Cristea V., A machine learning approach in analyzing bioaccumulation of heavy metals in turbot tissues, **Molecules**, 25(20), 4696, 2020, (WOS:000585499400001), <https://doi.org/10.3390/molecules25204696>
Factor de impact: 4.411 (Q2)
25. **Simionov I.A.**, Cristea V., Petrea S. M., Mogodan A., Nicoara M., Baltag E. S., Strungaru S.A., Faggio C., Sex gender influence in bioconcentration and physiological demand of essential and nonessential elements in Black Sea turbot (*Psetta maxima maeotica*); 2019, **Journal of Marine Science and Engineering**, 7, 466, 1-18, (WOS:000506654700046), <https://doi.org/10.3390/jmse7120466>
Factor de impact: 2.458 (Q2)
26. **Simionov I.A.**, Cristea V., Petrea S.M., Bocioc Sîrbu E., The evaluation of heavy metals concentration dynamics in fish meat from the Black Sea coastal area: an overview, **Environmental Engineering and management Journal** (mai, 2019), Vol. 18, No. 5, 1097-1110, (WOS:000473511200015).
Factor de impact: 0.916 (Q4)
<http://www.eemj.eu/index.php/EEMJ/article/view/3872>
27. **Simionov I.A.**, Cristea V., Petrea S.M., Bocioc E., Plăcintă E., The influence of water and sediments nitrite concentration on chemical fish meat composition in different aquatic ecosystems, **Revue Roumanie de Chimie** (august, 2017), Vol. 62, Issue 10, 783 – 791, (WOS:000428236700009)
Factor de impact: 0.395 (Q4)

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