

LISTA CONTRIBUȚIILOR ȘTIINȚIFICE

A. Teza de doctorat

Mihalache A., 2009, „Cercetari privind cresterea si reproducerea crapului ornamental japonez *Cyprinus carpio* L., 1758”

B. Cărți si capitole în cărți publicate în ultimii 10 ani

C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

1. Petrea, Ș.-M.; Simionov, I.A.; Antache, A.; **Nica, A.**; Oprica, L.; Miron, A.; Zamfir, C.G.; Neculiță, M.; Dima, M.F.; Cristea, D.S. *An Analytical Framework on Utilizing Various Integrated Multi-Trophic Scenarios for Basil Production*. Plants 2023, 12, 540. <https://doi.org/10.3390/plants12030540>.
2. Adina Popescu, Daniela Cristina Ibanescu, **Aurelia Nica**, Mihaela Cristescu, Preliminary results regarding the distribution of herpetofauna of community interest from ROSCI0065, Current Trends in Natural Sciences, ISSN: 2284-9521, ISSN-L: 2284-9521, <https://doi.org/10.47068/ctns.2022.v11i21.045>
3. IBĂNESCU Daniela Cristina, CRISTESCU Mihaela, Adina POPESCU, **Aurelia NICA**, Research on the otter population in the ROOSCI 0065 protected area, Scientific Annals of the Danube Delta Institute, vol. 27, 2022, pag. 49-54.
4. Petrea Ștefan-Mihai, Simionov Ira-Adeline, Antache Alina, **Nica Aurelia**, Arseni Maxim, Rosu Adrian, Cristea Dragoș Sebastian, Neculiță Mihaela, *Phytoremediation Capacity And Phosphorus Mass Balance In A Basil-Sturgeons Aquaponics Integrated Recirculating System*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, 2022.
5. Simionov Ira-Adeline, Calmuc Madalina, Antache Alina, Calmuc Valentina, Petrea Ștefan-Mihai, **Nica Aurelia**, Cristea Victor, Neculiță Mihaela, *The Use Of Pectinatella Magnifica As Bioindicator For Heavy Metals Pollution In Danube Delta*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, 2022.
6. **Nica Aurelia**, Petrea Ștefan-Mihai, Simionov Ira-Adeline, Antache Alina, Cristea Victor, Ecological Impact Of European Beaver, *Castor Fiber*, Scientific Papers. Series D. Animal Science, 2022.
7. Antache Alina, Calmuc Valentina, Petrea Ștefan-Mihai, Simionov Ira-Adeline, Calmuc Madalina, **Nica Aurelia**, Cristea Dragoș Sebastian, Neculiță Mihaela, *The Influence Of Pharmaceutical Residues From Surface Waters On Fish Oxidative Stress: A Review*, Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering, 2022.
8. Dunca Simona Isabela, Oprică Lăcrămioara, Simionov Ira-Adeline, Antache Alina, **Nica Aurelia**, Grigore Marius-Nicusor, Miron Anca, Costin Diana, Răzvan Magean, Petrea Ștefan-Mihai, Antibacterial activity of

Ocimum basilicum L. extracts grown in aquaponic conditions against Gram-positive and Gram-negative species, International Conference on e-Health and Bioengineering (EHB) Proceedings, 2022.

9. Petrea Ștefan-Mihai, Antache Alina, Simionov Ira-Adeline, **Nica Aurelia**, Oprică Lăcrămioara, Miron Anca, Răzvan Magean, Rosenberg Sarina, Cristea Dragoș Sebastian, The Impact of Growth Media on Production and Volatile Oil Composition of Ocimum Basilicum L. Cultured in Aquaponic Conditions, International Conference on e-Health and Bioengineering (EHB) Proceedings, 2022.

10. **Nica Aurelia**, Simionov Ira-Adeline, Antache Alina, Cristea Dragoș Sebastian, Petrea Ștefan-Mihai, Cristea Victor, Overview of Hormonal Substances Used in Fish Reproduction, International Conference on e-Health and Bioengineering (EHB) Proceedings, 2022.

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13. Ștefan-Mihai Petrea, Alina Mogodan, Ira-Adeline Simionov, **Aurelia Nica**, Dragoș Sebastian Cristea, Mihaela Neculita, The Impact of Common Agricultural Policy on E.U. agricultural sector sustainability by using a machine-learning approach, Scientific Papers Series Management, Economic Engineering in Agriculture and Rural Development, Vol. 21, Issue 2, pg. 451-459, 2021, ISSN online 2285-3952 (WOS:000664986400053). http://managementjournal.usamv.ro/pdf/vol.21_2/Art53.pdf

14. **Aurelia Nica**, Mihai-Ștefan Petrea, Alina Mogodan, Ira-Adeline Simionov, Victor Cristea, Induced Spawning And Embryonic Development Of Ornamental Carp (Cyprinus Carpio) Through The Application Of Pituitary Extract, Scientific Papers. Series D. Animal Science, Vol. 64, Issue 1, pg. 546-551, 2021, ISSN online 2393-2260, (WOS:000686570700076) http://animalsciencejournal.usamv.ro/pdf/2021/issue_1/Art76.pdf

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20. Simionov I.A., Cristea V., Petrea S.M., Mogodan A., **Nica A.**, Strungaru S.A., Ene A., Șarpe D.A., Heavy Metal Evaluation In The Lower Sector Of Danube River, Scientific Papers, Series E., Land Reclamation, International Conference on E-Health and Bioengineering, EHB 8th Edition, web conference, Iași, 2020, pp. 1-4, doi: 10.1109/EHB50910.2020.9280161.

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21. Simionov I.A., Petrea S.M., Mogodan A., **Nica A.**, Cristea D.S., Neculiță M., Effect Of Changes In The Romanian Lower Sector Danube River Hydrological And Hydrothermal Regime On Fish Diversity, Scientific Papers, Series E., Land Reclamation, Earth Observations & Surveying, Environmental Engineering, Volume 9, 106-111, 2020. (WOS:000574608100016).

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23. Petrea S.M., Simionov I.A., Mogodan A., **Nica A.**, Cristea D.S., Neculiță M., Effect Of Feeding Rate On Meat Biochemical Composition Of *Acipenser Stellatus* (Pallas, 1771) Reared In A Recirculating Aquaculture System, Series D, Animal Science; 2020, Vol. LXIII, No. 2, 489-495.

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48. **Nica A.**, Cristea V., Gheorghe D., Hoha G.V., 2012. Embryonic and larval development of Japanese Ornamental Carp *Cyprinus Carpio* (Linnaeus, 1758). *Lucrări Științifice - Seria Zootehnie*, vol. 58 (17), pag. 116-120, Electronic (online) ISSN 2067-2330.
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D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)

E. Brevete obținute în întreaga activitate

1. Depunere cerere de brevet OSIM nr. inregistrare A/00271 din 21.05.2021

Autorii: Simionov Ira-Adeline, Mogodan Alina, Petrea Stefan-Mihai, **Nica Aurelia**, Cristea Victor

2. Petrea Ștefan-Mihai, Simionov Ira-Adeline, Antache Alina, **Nica Aurelia**, Cristea Victor, Drogeanu Răzvan, Oprică Lăcrămioara, Cristea Dragoș, Sistem Acvaponic Cu Substrat Pentru Creșterea Durabilă A Busuiocului (*Ocimum Basilicum*) Și A Sturionului Siberian (*Acipenser Baerii*)”, Cerere De Brevet Depusă Osim Nr. A00671.

F. Proiecte

1. Membru în echipă

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Proiect RELANSIN 1974/2004: „Tehnologie de crestere superintensiva a hibrizilor si speciilor parentale de sturioni” – Perioada: 2004-2006

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Proiect 51PTE din 21/09/2020 (PN-III-P2-2.1-PTE-2019-0697) Optimizarea Tehnologiilor de Creștere a Biomasei Piscicole si Vegetale in Cadrul Sistemelor Multi-Troface de Acvacultura Intensiva prin Utilizarea Tehnicilor Inteligente de Recunoaștere Vizuala si IoT [MULTIAQUAIOT]

Proiectul „Revizuirea planului de management și a regulamentului RBDD”, contract nr.253/2019, POIM/178/4.1/123322, 2019-2022, expert amfibieni & reptile, expert mamifere.

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