

LISTA LUCRARI PUBLICATE

A. TEZE

[A1] Post-doc

Dediu L., 2011, „Microbial community manipulation for bioremediation of intensive aquaculture effluents” Teza a fost sustinuta la Univeristatea Dunarea de Jos Galati si a fost elaborata in cadrul proiectului POSDRU/89/1.5/S/52432.

[A2] Doctorat

Dediu L., 2009, „Research on the utilization of integrated biological systems in intensive fish technologies”. Teza a fost sustinta la la Univeristatea Dunarea de Jos Galati.

B. CARTI SI CAPITOLE IN CARTI

1. „Rolul comunităților microbiene în sistemele integrate acvaponice,„ Editura Fundației Universitare ”Dunărea de Jos”, Galați 2019, ISBN 978-973-627-620-0 (120pg)
2. „Optimizarea tehnologiei de creștere a sturionilor prin utilizarea furajului aditivat cu compuși bioactivi vegetali,„ Manual de prezentare a metodei. Coordonatori Docan Angelica, Dediu Lorena. Editura Galați University Press, 2018. ISBN 978-606-696-123-3 (219 pag.)
3. Dediu L., Maoreanu M. 2018. Aspecte privind tehnologia reproducerii și creșterii sturionilor. In Optimizarea tehnologiei de creștere a sturionilor prin utilizarea furajului aditivat cu compuși bioactivi vegetali. Manual de prezentare a metodei. Editura Galați University Press, Pg. 93-113, ISBN 978-606-696-123-3
4. Petrea S., Dediu L. 2018. Evaluarea impactului administrării extractelor vegetale asupra performanței de creștere a sturionilor . In Optimizarea tehnologiei de creștere a sturionilor prin utilizarea furajului aditivat cu compuși bioactivi vegetali. Manual de prezentare a metodei. Editura Galați University Press, Pg. 131-165, ISBN 978-606-696-123-3
5. Dediu L., Maoreanu M., 2017, Tehnologii generale de creștere și reproducere a sturionilor In “Biologia și genetica sturionilor de Dunăre: aplicații în acvacultură și conservare”, Editura Univ. din București, 2017, ISBN 978-606-16-0857-7, p. 157-198
6. Dorin S.S., Dediu L., 2013. Procese biotehnologice în industria alimentară, Editura Fundației Universitare „Dunărea de Jos”, Galați, ISBN 978-073-627-504-3, 153 pg.
7. „Tehnologii generale de acvacultura”, Dediu L., 2013. Editura Galati University Press, ISBN 978-606-8348-77-3, 250 pg.
8. „Scientific and technical inovation in the blue economic zone” , Coord.: Moga Liliana Mihaela, Dediu Lorena. Editura Didactică și Pedagogică, 2012, ISBN 978-973-30-3305-9.

C. LUCRARI STIINTIFICE

[C1] Publicate in jurnale ISI (SCIE, ESCI) sau volume ISI Proceedings

1. Florescu, I. E., Burcea, A., Popa, G. O., Dudu, A., Georgescu, S. E., Balas, M., Dinescu S., Voicu S., Grecu I., **Dediu L.**, Dinischiotu, A., Costache M. 2019. Effects of starvation and refeeding on growth performance and stress defense mechanisms of stellate sturgeon *Acipenser stellatus* juveniles from aquaculture. Acta Biochimica Polonica, 66(1), 47-59. WOS:000481680900006_IF2018 =1,626
2. **Dediu L.**, Docan A. 2019. Influence of substrate type on the physiological profile of the heterotrophic bacterial community in recirculating aquaponic systems. SCIENTIFIC PAPERS-SERIES D-ANIMAL SCIENCE Volume: 62 Issue: 1 Pages: 489-497. WOS:000484814600074

3. Liu F., Li X.N., Ji Y., Liu C., Sun T., Zhao Y.C., Nicolae C.G., **Dediu L**^{1*}. 2019. The biological characteristics and utilization of *Urechis unicinctus*. *AGROLIFE SCIENTIFIC JOURNAL* 8 (1): 146-152. WOS:000469997600019
4. Cretu M., **Dediu L.**, Cristea V., Zugravu A., Turek M., Bandi A.C., Turek A., Mocuta D.N. 2016. Environmental Impact of Aquaculture: A Literature Review. Proceedings Paper in "Innovation Management and Education Excellence Vision 2020: From Regional Development Sustainability to Global Economic Growth", Vols I - VI, Pages: 3379-3387. WOS:000381172301159
5. Moga L. M., **Dediu L.**, Zhang X., Nenciu M. I., Ududec Novac C., Gavrilă S. P. 2016. Barriers of Adopting Traceability Systems by Romanian Fishery and Aquaculture. *Journal of Environmental Protection and Ecology (JEPE)* 17 (1): 284-290. WOS:000375503300032, IF₂₀₁₆=0.774
6. Bandi A., Cristea V., **Dediu L.**, Petrea S., Cretu M., Turek A. Zugravu A., Turek M., Mocuta D.N., Soare I. 2016. The Review of Existing and In-Progress Technologies of the Different Subsystems Required for the Structural and Functional Elements of the Model of Multi-Purpose Aquaponic Production System, *ROMANIAN BIOTECHNOLOGICAL LETTERS*, Volume: 21 (4): 11621-11631
WOS:000385259500001, IF₂₀₁₆= 0.396
7. Petrea S.M., Coada M.T., Cristea V., **Dediu L.**, Cristea D., Turek A, Zugravu A., Rahoveanu M., Mocuta D. 2016. A Comparative Cost - Effectiveness Analysis in Different Tested Aquaponic Systems, 5TH International Conference - Agriculture For Life, Life For Agriculture, Book Series: Agriculture and Agricultural Science Procedia, Volume: 10 Pages: 555-565
DOI: 10.1016/j.aaspro.2016.09.034. WOS:000387504900076
8. Coada M., Petrea S.M., Cristea V., **Dediu L.**, Bandi A.C., Turek-Rahoveanu M., Zugravu A., Rahoveanu Turek A., Mocuta D.N. 2016. Water Quality in Aquaponic Integrated Systems: An Overview of the Literature. Proceedings Paper in "Innovation management and education excellence vision 2020: from regional development sustainability to global economic growth", Vols i - vi, pages: 3706-3724,
WOS:000381172301193
9. **Dediu, L.**, Cristea, V., Xiaoshuan, Z. 2012. Waste production and valorization in an integrated aquaponic system with baster and lettuce. *African Journal of Biotechnology*, 11(9), 2349-2358.
DOI: 10.5897/AJB11.2829, IF₂₀₁₂=0.184
10. **Dediu, L.**, Cristea, V., Docan, A. 2012. Bioremediation of recirculating systems effluents as a method to obtain high-quality aquaculture products. *Journal of Environmental Protection and Ecology*, 13(1), 275-288. WOS:000302843500036, IF₂₀₁₂=0.259
11. Xing S., Zhang X., **Dediu L.**, Ma C., Fu Z. 2012. Shelf life modelling of tilapia in the cold chain. *Journal of Food, Agriculture and Environment*, 10(3-4), 257-260. WOS:000310939600047, IF₂₀₁₂=0.435
12. Vasilean I., V. Cristea, **L. Dediu**. 2012. Comparative Study Regarding Larval Development of *Huso huso* and Hybrid *Huso huso* × *Acipenser ruthenus* in a Recirculating Aquaculture System. *Journal of Environmental Protection and Ecology*, 13(3A), 1078-1082. WOS:000313926300034, IF₂₀₁₂=0.259
13. Liu, F., Hao, Y., Cristea, C., Zhang, X., Fu, Z., **Dediu, L***. 2012. Developing environmentally friendly marine aquaculture for the blue economic zone in the Shandong Peninsula. *Journal of Environmental Protection and Ecology*, 13(3A), 1714-1720. WOS:000313926300009, IF₂₀₁₂=0.259
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15. **L. Dediu**, V. Cristea, A. Docan, I. Grecu, M. Maereanu. 2011. Preliminary Results Regarding the Effect of Density on Rainbow Trout (*Oncorhynchus mykiss* Walbaum, 1792) Performance in a Biosecure Recirculating System. *Journal of Environmental Protection and Ecology (JEPE)*. Vol. 12, No 4, pp. 1904 -1910. WOS:000303274300037. IF₂₀₁₁=0.102
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17. Mihalache, A., Oprea, L., **Dediu, L.**, Cristea, V., Docan, A., Sion, C., & Enache, I. (2011). Growth performance of the Japanese ornamental carp (*Cyprinus carpio* Linnaeus, 1758) fry, reared in a recirculating aquaculture

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system. Journal of Environmental Protection and Ecology, 12(3), 1078-1082. WOS:000296305700033. IF₂₀₁₁=0.102

[C2] Publicate in BDI

1. **Dediu L.**, Docan A., Grecu I. (2019). Comparison of ammonia removal in recirculating aquaculture systems. Scientific Geoconference SGEM Proceedings, vol 19 (5.2), 3-10. DOI: [10.5593/sgem2019/5.2/S20.001](https://doi.org/10.5593/sgem2019/5.2/S20.001), Volum supus indexarii in WOS.Coverage: www.scopus.com
2. Grecu I., **Dediu L.**, Docan A., Cristea V. (2019). The Influence of Feeding Level on Growth Performances of European Catfish (*Silurus glanis* L., 1758) Juveniles under Recirculating Water Conditions. Bulletin of the University of Agricultural Sciences & Veterinary Medicine Cluj-Napoca. Animal Science & Biotechnologies, 76(2), 109-115.<https://journals.usamvcluj.ro/index.php/zootehnie/article/view/13495/11034>
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3. Hassan, Ayman Abdel Mohsen and Yacout, Mohamed Helmy and Khalel, Mohamed Samir and Hafsa, Salma Hashim Abu and Ibrahim, Mostafa Abdel Rahman and Mocuta, Dorina Nicoleta and Rahoveanu, Adrian Turek and **Dediu, Lorena**, 2018. Effects of Some Herbal Plant Supplements on Growth Performance and the Immune Response in Nile Tilapia (*Oreochromis niloticus*), Agriculture for Life, Life for Agriculture" Conference Proceedings. Vol.1, pg.134-141. <https://content.sciendo.com/view/journals/alife/1/1/article-p134.xml?lang=en>. Coverage: www.sciendo.com
4. Mogodan (Antache) A., Docan A., **Dediu L.**, Grecu I., Cristea V., Petrea S. M., Cretu M., 2018. Effects of some phytobiotics on oxidative stress in *Oreochromis niloticus* reared in a recirculating aquaculture system. AACL Bioflux 11(1):211-220. <https://www.bioflux.com.ro/docs/2018.211-220.pdf>
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5. Andrei (Guriencu) R. C., Cristea V., Cretu M., Dediu L., Docan A. I., 2018. The effect of feeding rate on growth performance and body composition of Russian sturgeon (*Acipenser gueldenstaedtii*) juveniles. AACL Bioflux 11(3):645-652.<http://www.bioflux.com.ro/docs/2018.645-652.pdf>
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6. Docan Angelica, Iulia Grecu, **Lorena Dediu**. Use of Hematological Parameters as Assessment Tools in Fish Health Status . The 1st International Conference on Life Sciences, Timisoara 2018. Journal of Agroalimentary Processes and Technologies 2018, 24(4) ,Pages: 317-324; 2018, ISSN: 2069-0053 (print) (former ISSN: 1453-1399), Agroprint; ISSN (online): 2068-9551
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7. Andrei Guriencu Raluca, Crețu Mirela, Angelica Docan, **Dediu Lorena**, Cristea Victor. 2017, Growth performance and food conversion efficiency of juvenile russian sturgeon at different feeding frequencies. Bulletin of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca Animal Science and Biotechnologies, 74 (2):112-118
<https://journals.usamvcluj.ro/index.php/zootehnie/article/view/12815/10451>
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8. Crețu M., Cristea V., **Dediu L.**, Andrei R. C. 2017. The influence of feeding intensity on growth performance of rainbow trout juvenils. Lucrări Științifice-Universitatea de Științe Agricole și Medicină Veterinară, Seria Zootehnie, 67, 161-164.
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9. Crețu Mirela, Angelica Docan, **Dediu Lorena**, Cristea Victor, Varlan Oana Georgiana, Andrei Guriencu Raluca, 2017. The Effects of Sea-Buckthorn (*Hippophae rhamnoides*) and Spirulina (*Spirulina platensis*) on the growth performance of some sturgeon hybrids. Aquaculture, Aquarium, Conservation & Legislation - International Journal of the Bioflux Society. AACL Bioflux 10(5):1157-1163. <http://www.bioflux.com.ro/docs/2017.1157-1163.pdf>
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10. Docan A., Grecu I., Crețu M., Antache A., **Dediu L.** 2017. Haematological and serum biochemical changes associated with bacteriological infection in *Acipenser gueldenstaedtii* reared in intensive condition. Lucrări Științifice-Universitatea de Științe Agricole și Medicină Veterinară, Seria Zootehnie, 67, 104-109.
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12. Guriencu R., Cristea V., **Dediu L.**, Crețu M., Docan A., 2017. Morphometric characteristics and length-weight relationship of russian sturgeon juveniles under different feeding ratio. *Bulletin USAVM Animal Science and Biotechnologies* 74(2):119-126.
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13. Andrei Raluca C. (Guriencu), Victor Cristea, **Lorena Dediu**, Mirela Crețu, Angela I. Docan, Iulia R. Grecu, Marian Tiberiu Coadă, Ira A. (Chihaiia) Simionov, 2016, The influence of different stocking densities on growth performances of hybrid bester (*Huso huso* ♂ x *Acipenser ruthenus* ♀) in a recirculating aquaculture system, *AAFL Bioflux*, Volume 9, Issue 3, pp.541-549.
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19. Oana G.(Varlan) Dorojan, Victor Cristea, Mirela Crețu, Marian T. Coadă, **Lorena Dediu**, Iulia R. Grecu, Săndița Plăcintă, 2015. Effect of thyme (*Thymus vulgaris*) and vitamin E on growth performance and body composition of *Acipenser stellatus* juveniles, *AAFL Bioflux*, Volum 8, numar 2, pag. 195-202.
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22. Petrea Stefan Mihai; Cristea Victor; **Dediu Lorena**; Contoman Maria; Cretu Mirela; Antache Alina; Coadă Marian; Bandi Alexandru Cristian. 2014. A Study of Phosphorus and Calcium Dynamics in an Integrated Rainbow Trout and Spinach (Nores variety) Aquaponic System with Different Crop Densities. *Scientific Papers Animal Science and Biotechnologies* 47(2):196-206.

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23. Cretu Mirela; Victor Cristea; **Lorena Dediu**; Mihai Petrea Stefan. 2014. The influence of different stocking densities on biochemical composition of rainbow trout meat reared in a recirculating aquaculture system. *Scientific Papers Animal Science and Biotechnologies* 47(1): 200-204.

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