
Nikos Neofitou

Dept. of Ichthyology & Aquatic Environment
School of Agricultural Sciences
University of Thessaly
384 46, N. Ionia Magnesias, Volos, Greece

Tel: +30-24210-93066
Fax: +30-24210-93065
Mob.: +30-6977433550
Email: nikneof@uth.gr

Education

- | | |
|-------------|--|
| 1994 – 1999 | H.BSc., Dept. of Forestry and Natural Environment, Aristotle University of Thessaloniki, Greece. |
| 1999 – 2002 | M.Sc., Dept. of Ichthyology and Aquatic Environment, University of Thessaly, Greece. |
| 2002 – 2007 | Ph.D., Dept. of Ichthyology and Aquatic Environment, University of Thessaly, Greece. |

Academic experience

- | | |
|--------------|---|
| 2000 – 2008 | Scientific Collaborator, Dept. of Ichthyology and Aquatic Environment, University of Thessaly, Greece. |
| 2006 – 2009 | Administrative Staff, Dept. of Ichthyology and Aquatic Environment, University of Thessaly, Greece. |
| 2009 – 2014 | Lecturer on Aquaculture & Environment, Dept. of Ichthyology and Aquatic Environment, University of Thessaly, Greece. |
| 2014 – 2020 | Assistant Professor on Aquaculture & Environment, Dept. of Ichthyology and Aquatic Environment, University of Thessaly, Greece. |
| 2020 – Today | Associate Professor on Aquaculture & Environment, Dept. of Ichthyology and Aquatic Environment, University of Thessaly, Greece. |

Scientific experience

Editor

- Journal of FisheriesSciences.com (Guest Editor in special issue entitled: “Fisheries and Aquaculture in the Mediterranean Region”)
- Water (Guest Editor in special issue entitled: “Marine Aquatic Resources and Ecosystem Sustainability”) (I.F.: **3,530**)
- Sustainability (Guest Editor in special issue entitled: “Advances in Rural and Aquatic Sustainability”) (I.F.: **3,889**)

Refereeing on regular basis scientific papers under potential publication in:

1. Animals (I.F. : **3,231**)
2. Aquaculture (I.F. : **5,135**)
3. Aquaculture Environment Interactions (I.F. : **3,149**)
4. Aquaculture Research (I.F.: **2,184**)
5. Chemosphere (I.F.: **8,943**)
6. Conservation Science and Practice (I.F.: **3,570**)
7. Environmental Engineering and Management Journal (I.F.: **0,858**)
8. Environmental Science and Pollution Research (I.F.: **5,190**)
9. Heliyon (I.F.: **3,776**)
10. International Review of Hydrobiology (I.F.: **1,878**)
11. Journal of Environmental Management (I.F.: **8,910**)
12. Lakes & Reservoirs Research and Management

13. Lakes & Reservoirs: Science, Policy and Management for Sustainable Use
14. Marine Pollution Bulletin (I.F.: 7,001)
15. Polish Journal of Environmental Studies (I.F.: 1,871)
16. Science of the Total Environment (I.F.: 10,753)
17. Scientia Marina (I.F.: 2,170)
18. SpringerPlus (I.F.: 3,414)
19. Sustainable Agriculture Research
20. Thalassas: An International Journal of Marine Sciences (I.F.:0,951)
21. Toxicological & Environmental Chemistry (I.F.: 1,565)

Supervision/Co-supervision

1. (70) undergraduates
2. (39) MSc postgraduates
3. (7) PhD postgraduates
4. (85) undergraduates on field work practice

Impact Indicators

- 311 citations (Scopus, Google Scholar 02-07-2022)
- h-index: 8 (Scopus), 10 (Google scholar)
- Total I.F.: 40.224 (JSR 2021)

Monographs

1. **Neofitou, N.**, 2002. Sustainable development of fish fauna in relation to the water potential in torrents of Vardousia region, central Greece. M.Sc. Thesis, University of Thessaly, 75 p.
2. **Neofitou, N.**, 2007. Investigation of the effects from the installation and operation of fish farming, with emphasis on selecting indicators on the degree of pollution in the marine environment. Ph.D. Thesis, University of Thessaly, 214 p.

Books – Chapters

1. Neofitou, C., A.C. Tsikliras & **N. Neofitou**, 2013. Legislation on the capture of young fish intended for aquaculture. In: "Aspects of the Mediterranean Marine Aquaculture". Angelidis, P. (Ed), 10th Chapter, p. 235-242.
2. Neofitou, C. & **N. Neofitou**, 2015. Ichthyology. 2nd Ed., University Studio Press, Thessaloniki, ISBN: 978-960-12-2210-3, 594 p.
3. Neofitou, C. & **N. Neofitou**, 2017. Ichthyology. 3rd Ed., University Studio Press, Thessaloniki, ISBN: 978-960-12-2345-2, 596 p.
4. **Neofitou, N.** & C. Neofitou, 2021. Ichthyology. 4th Ed., University Studio Press, Thessaloniki, ISBN: 978-960-12-2532-6, 548 p.
5. Conides, A., D. Klaoudatos, M. Kalamaras, **N. Neophytou**, A. Exadaktylos, C. Papaconstantinou & S. Klaoudatos, 2020. Capture Fisheries and Aquaculture Exploitation in the Aegean Sea Archipelago. In: The Handbook of Environmental Chemistry. Springer, Berlin, Heidelberg. DOI: 10.1007/698_2020_663

Conferences (from 58)

1. **Neofitou, N.** & S. Klaoudatos, 2007. Particle fluxes underneath fish farms in a semi enclosed gulf of Eastern Mediterranean. 38th CIESM Congress, Instabul, Turkey, 9-13 April.
2. **Neofitou, N.**, D. Vafidis & S. Klaoudatos, 2007. Preliminary results on benthic

- impact of cage fish farming in a semi enclosed gulf of Eastern Mediterranean. 38th CIESM Congress, Instabul, Turkey, 9-13 April.
3. **Neofitou, N.**, 2008. Siting and Carrying Capacity – Environment. Invited Speaker, 3rd International Symposium of Hydrobiology & Fishery, Arta, Greece, 8-10 October.
 4. Charizopoulos, N., **N. Neofitou** & D. Vafidis, 2009. The effect of shellfish aquaculture on benthic community structure of Maliakos gulf. 11th International Congress on the Zoogeography, Ecology and Evolution of Eastern Mediterranean, Herakleion, Greece, 21-25 September.
 5. **Neofitou, N.**, N. Charizopoulos, D. Vafidis & L. Tziantziou, 2010. The effect of shellfish farming on the water column nutrient concentration of the Eastern Mediterranean. 39th CIESM Congress, Venice, Italy, 10-14 May.
 6. Castritsi-Catharios, J., **N. Neofitou** & G.D. Zouganelis, 2011. Commercial species of sponges: A treasure for the biodiversity. World Conference on Marine Biodiversity, Aberdeen, Scotland, 26-30 September.
 7. Castritsi-Catharios, J., **N. Neofitou** & A.A. Vorloou, 2013. Comparison of heavy metals concentrations in fish samples from three fish farms (Eastern Mediterranean) utilizing antifouling paints. Fourth Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2013), Mykonos, Greece, 24-28 June.
 8. Nikolaou, M., **N. Neofitou**, K. Skordas & L. Tziantziou, 2013. Effects of antifouling paints on farmed fish of the Eastern Mediterranean. 40th CIESM Congress, Marseille, France, 28 October -1 November.
 9. Syvri, R., **N. Neofitou**, D. Vafidis, E. Mente, P. Panagiotaki & L. Tziantziou, 2014. Conventional and organic fish farming effects on macrofauna communities in Evoikos Gulf (Larymna). 1st International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2014, Volos, Greece, 13-15 November.
 10. Nikolaou, M., **N. Neofitou**, K. Skordas, D. Kosmidis & L. Tziantziou, 2014. Cu and Zn content in wild sea bream and sea bass from the Pagasitikos Gulf (Eastern Mediterranean). 1st International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2014, Volos, Greece, 13-15 November.
 11. Nikolaou, M., **N. Neofitou**, A. Lolas, R. Syvri & L. Tziantziou, 2015. A preliminary study on the impact of feeding activity of sea cucumber (*Holothuria tubulosa*) on fish farm depositions. International Congress of Aquaculture, Montpellier, France, 23-26 August.
 12. Asimaki, A., **N. Neofitou**, R. Syvri, P. Psoufakis, A. Lolas, D. Vafidis, I. Karapanagiotidis, M. Florou & L. Tziantziou, 2016. Effects of sea cucumber *Holothuria polii* on organic load reduction from fish farming operation in laboratory conditions: Preliminary results. 2nd International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2016, Messolonghi, Greece, 10-12 November.
 13. Florou, M., **N. Neofitou**, R. Syvri, A. Asimaki, S. Kontotolis, K. Skordas, P. Panagiotaki, C. Domenikiotis & L. Tziantziou, 2016. Impact of fish farming on nutrients of Pagasitikos gulf: Preliminary results. 2nd International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2016, Messolonghi, Greece, 10-12 November.
 14. Syvri, R., **N. Neofitou**, I. Karapanagiotidis, D. Vafidis, A. Lolas, K. Antoniou, P. Psoufakis, E. Daskalopoulou & L. Tziantziou, 2016. Contribution of sea cucumber *Holothuria tubulosa* on organic load reduction from fish farming in laboratory conditions. 2nd International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2016, Messolonghi, Greece, 10-12 November.
 15. Syvri, R., **N. Neofitou**, D. Vafidis, K. Skordas, A. Lolas, M. Nikolaou, D. Zairis & L. Tziantziou, 2016. Contribution of sea cucumber *Holothuria tubulosa* on organic load reduction from fish farming in net pens. 2nd International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2016, Messolonghi, Greece, 10-12 November.
 16. Ballios, I., **N. Neofitou**, P. Psoufakis, A. Lolas, R. Syvri, M. Asimaki, L. Tziantziou, I.

- Karapanagiotidis, K. Skordas & D. Vafidis, 2018. Effects of sea cucumber *Holothuria tubulosa* on organic load reduction from fish farming operation in laboratory conditions. 3rd International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2018, Volos, Greece, 8-11 November.
17. Diamanti, S., C. Domenikiotis, **N. Neofitou**, L. Tziantziou & P. Panagiotaki, 2018. The use of SENTINEL-2 satellite data for quantitative estimation of nutrients in aquaculture areas. 3rd International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2018, Volos, Greece, 8-11 November.
 18. Papadimitriou, K., **N. Neofitou**, C. Domenikiotis, M. Florou, L. Tziantziou & P. Panagiotaki, 2018. Impact of fish farming on nutrients of Pagasitikos Gulf. 3rd International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2018, Volos, Greece, 8-11 November.
 19. Dimoudi, A., P. Karampetsou, C. Domenikiotis, L. Tziantziou & **N. Neofitou**, 2021. GIS in sampling strategy of aquaculture environmental impacts assessment. 4nd International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2021, Volos, Greece, 4-6 November.
 20. Karampetsou, P., A. Dimoudi, C. Domenikiotis, L. Tziantziou, D. Klaoudatos, K. Skordas & **N. Neofitou**, 2021. Preliminary results of nutrient distribution at an aquaculture area of Pagasitikos Gulf using GIS. 4nd International Congress of Applied Ichthyology & Aquatic Environment HYDROMEDIT 2021, Volos, Greece, 4-6 November.
 21. Dimoudi, A., C. Domenikiotis, D. Klaoudatos, L. Tziantziou & **N. Neofitou**, 2022. Assessment of ammonium concentration in aquaculture environment through Radial Basis Functions (RBF). 4nd International Congress of GIS and Spatial Analysis on Agriculture and Environment, Athens, Greece, 24-26 May.

Publications

1. Neofitou, C., A. Dimitriadis, P. Pantazis, A. Psilovikos, **N. Neofitou** & A. Paleokostas, 2005. Self-purification of a long-stretched gully affects the restoration of an alpine type lake in Northern Greece. *Fresenius Environmental Bulletin*, 14: 1141-1149. **(I.F.: 0,618)**
2. Stasinou, K., C. Neofitou, P. Pantazis, A. Psilovikos, **N. Neofitou** & P. Lolos, 2007. Ecohydrological gradients affecting the abundance and biodiversity of macro-invertebrates in the Estuarine System of Sperchios River, Central Greece. *Fresenius Environmental Bulletin*, 16: 1030-1042. **(I.F.:0,618)**
3. **Neofitou, N.** & S. Klaoudatos, 2008. The effect of fish farming on the water column nutrient concentration in a semi enclosed gulf of the Eastern Mediterranean. *Aquaculture Research*, 39: 482-490. **(I.F.: 2,184)**
4. Skordas, K., **N. Neofitou**, I. Karapanagiotidis & X. Neofitou, 2008. Hydrogeochemistry of the major ions and quality of groundwater of the hydrological basin of Almyros river, Larisa region, Thessaly – Greece. *Mineral Wealth*, 147: 1-12.
5. Mente, E., I.T. Karapanagiotidis, P. Logothetis, D. Vafidis, E. Malandrakis, **N. Neofitou**, A. Exadactylos & A. Stratakis, 2009. The reproductive cycle of Norway lobster (*Nephrops norvegicus*). *Journal of Zoology*, 278: 324-332. **(I.F.: 2,394)**
6. Kazanidis, G., C. Antoniadou, A.P. Lolos, **N. Neofitou**, D. Vafidis, C. Chintiroglou & C. Neofitou, 2010. Population dynamics and reproduction of *Holothuria tubulosa* (Holothuroidea: Echinodermata) in the Aegean Sea. *Journal of the Marine Biological Association of the United Kingdom*, 90: 895-901. **(I.F.: 1,559)**
7. **Neofitou, N.**, D. Vafidis & S. Klaoudatos, 2010. The spatial and temporal effect of fish farming on benthic community structure in a semi enclosed gulf of the Eastern Mediterranean. *Aquaculture Environment Interactions*, 1: 95-105. **(I.F.:3,149)**
8. Skordas, K., G. Papastergios, L. Tziantziou, **N. Neofitou** & C. Neofitou, 2012.

- Groundwater hydrogeochemistry of Trikala municipality, central Greece. Environmental Monitoring and Assessment, 185: 81-94. **(I.F.: 3,307)**
9. **Neofitou, N.**, N. Charizopoulos, D. Vafidis, K. Skordas, L. Tziantziou & C. Neofitou, 2014. Mussel farming impacts on trophic status and benthic community structure in Maliakos gulf (Eastern Mediterranean). Aquaculture International, 22: 843-857. **(I.F.: 2,953)**
 10. Nikolaou, M., **N. Neofitou**, K. Skordas, I. Castritsi-Catharios & L. Tziantziou, 2014. Fish farming and anti-fouling paints: A potential source of Cu and Zn in farmed fish. Aquaculture Environment Interactions, 5: 163-171. **(I.F.: 3,149)**
 11. Castritsi-Catharios, J., **N. Neofitou** & A.A. Vorloou, 2015. Comparison of heavy metal concentrations in fish samples from three fish farms (Eastern Mediterranean) utilizing antifouling paints. Toxicological and Environmental Chemistry, 97(1): 116-123. **(I.F.: 1,565)**
 12. **Neofitou, N.**, 2016. Waste feed from fish farms of the Eastern Mediterranean and attraction of wild fish. Universal Journal of Geoscience, 4(5): 112-115.
 13. **Neofitou, N.**, K. Papadimitriou, C. Domenikiotis, L. Tziantziou & P. Panagiotaki, 2019. GIS in environmental monitoring and assessment of fish farming impacts on nutrients of Pagasitikos Gulf, Eastern Mediterranean. Aquaculture, 501: 62-75. **(I.F.=5,135)**
 14. **Neofitou, N.**, A. Lolas, I. Ballios, K. Skordas, L. Tziantziou & D. Vafidis, 2019. Contribution of sea cucumber *Holothuria tubulosa* on organic load reduction from fish farming operation. Aquaculture, 501: 97-103. **(I.F.=5,135)**
 15. **Neofitou, N.**, R. Syvri, L. Tziantziou, E. Mente & D. Vafidis, 2020. The benthic environmental footprint of aquaculture in the Eastern Mediterranean: Organic vs Conventional fish farming. Aquaculture Research, 51: 2698-2710. **(I.F.: 2,184)**
 16. Klaoudatos, D., Z. Kotsiri, **N. Neofitou**, A. Lolas & D. Vafidis, 2020. Population Characteristics of the Mid-Littoral Chthamalid Barnacle *C. stellatus* (Poli, 1791) in the Eastern Mediterranean (Central Greece). Water, 12: 3304. **(I.F.: 3,530)**
 17. Klaoudatos, D., L. Tziantziou, A. Lolas, **N. Neofitou** & D. Vafidis, 2022. Population Characteristics of the Upper Infralittoral Sea Urchin *Arbacia lixula* (Linnaeus, 1758) in Eastern Mediterranean (Central Greece): An Indicator Species for Coastal Water Quality. Journal of Marine Science and Engineering, 10: 395. **(I.F.: 2,744)**
 18. Skordas, K., A. Lolas, C. Gounari, K. Georgiou, **N. Neofitou** & D. Vafidis, 2022. Trace Element Content and Potential Human Health Risk from Consumption of the Deep-water Rose Shrimp *Parapenaeus longirostris* (Crustacea: Decapoda) from Pagasitikos Gulf, Greece. Journal of Chemical Health Risks, DOI: 10.22034/JCHR.2022.1956070.1541

Research projects (from 19)

- 2012 Scientific coordinator (Bio-monitoring of Pagasitikos gulf and comparison with previous data).
- 2014 Scientific coordinator (Population dynamics of holothurio *Holothuria tubulosa* in regions of Central and North Aegean Sea).
- 2015 Scientific coordinator EPAL III (Application of new - contemporary practices for the minimization of environmental impacts of aquaculture on the sediment: The case of sea cucumber *Holothuria tubulosa*).
- 2019 Scientific coordinator (Effect of sea cucumber *Holothuria polii* on the organic matter reduction from fish culture in laboratory conditions).
- 2020 Scientific coordinator (Environmental Baseline Report (EBR) for the Block 10 – Kyparissiakos Gulf Lease Area).

Research interests

- Aquaculture – Environmental effects of aquaculture
- Monitoring of abiotic and biotic parameters in aquatic environments with in situ measurements and also with the use of remote sensing
- Pollution of aquatic environment and impacts on biodiversity
- Marine biology and ecology
- Population dynamics – reproduction, productivity and genetic diversity of marine benthic organisms