

Amalia Moriki CV

Studies

- 1988** B.Sc. in Chemistry, Department of Chemistry, Aristotle University of Thessaloniki.
- 1994** PhD, Department of Environmental Studies, University of the Aegean. Thesis title: "Evaluation of Quantitative Methods for the Assessment of Coastal Water Pollution", 225 pp (*in Greek*).

Languages

Greek, mother tongue
English (B2, First Certificate in English, University of Cambridge)
French (B1, Certificat Pratique de la Langue Française, Université de Sorbonne)
Spanish, basic level A2

Research Interests

Coastal water quality, marine eutrophication, biogeochemical cycling of nutrients and trace metals. Ecotoxicological evaluation of aquatic pollution. Contaminants in food and water.

Professional Scientific Experience

2019 – Professor, Department of Food Science and Technology, International Hellenic University (IHU), Field: Aquatic Ecology and Toxicology

2018 – **2019** Professor, Department of Food Technology, Alexander Technological Educational Institute of Thessaloniki, Field: Aquatic Ecology and Toxicology

2014 – **2018** Associate Professor, Department of Food Technology, Alexander Technological Educational Institute of Thessaloniki, Field: Water Quality-Aquatic Pollution

2003 – **2014** Associate Professor, Department of Fisheries and Aquatic Technology, Alexander Technological Educational Institute of Thessaloniki, Field: Water Quality-Aquatic Pollution

2000 – **2003** part time Assistant Professor in the Department of Fisheries and Aquatic Technology, Alexander Technological Educational Institute of Thessaloniki.

1995 – **1998** Research Associate Scientist in the National (Hellenic) Centre for Marine Research, Athens, Greece.

1994 Research Scientist, Laboratory of Hydrobiology, National Centre for Scientific Research "Democritus", Aghia Paraskevi, Athens, Greece.

1989 – **1993** Research Scientist, Department of Environmental Studies, University of the Aegean, island of Lesbos, Greece.

Publications

Published papers in international journals

1. Tzioga I. and **Moriki A.**, (2023). Microplastic particles in sandy beaches of Thessaloniki Gulf, Greece, *Transactions on Environment and Development*, *in press*.
2. Papadimitriou Ch.A., Savvidis Y., Galinou-Mitsoudi S., **Moriki A.**, 2021. The Role of Hydrodynamics on the Sustainable Mussels' Culture Activity. The Case of Chalastra Basin (NW Gulf of Thessaloniki) 2021. *Hydrology* 2021, 8, 105. <https://doi.org/10.3390/hydrology8030105>
3. Savvidis Y., A. Antoniou, **A. Moriki**, V.O. Stoilas, 2019. Ekman transport and Coastal Downwelling in a Coastal Mussel Farming Area, NW Thessaloniki's Gulf, *Ocean Sci. J.* 54: 543–558.
4. **Moriki A.**, A. Antoniou, Y. Savvidis, C.A. Papadimitriou, V. O. Stoilas, 2019. Nutrient limitation in a coastal system influenced by mussel farming, river outflow and on-shore circulation of waters, *Environmental Processes*, 6: 1019–1029.

5. **Moriki A.**, Petridis D., Papadimitriou Ch., Fantidou I., Kapageridis N., 2017. Nutrient and Chlorophyll *a* Variability at a Micro-scale Level in a Suspended Mussel Culture. *Journal of Water Resource and Protection*, 9: 1491-1509.
6. **Moriki A.**, Savvidis Y., Kombiadou K., Dimitriadis X., Hatzinikolaou A. and F. Houlli, 2013. Variation of physicochemical parameters in the coastal waters of Potidea Channel (Greece), *Journal of Environmental Protection and Ecology*, 14(3): 843-850.
7. **Moriki A.**, Galinou-Mitsoudi S., Petridis D., Kosti D., Savvidis Y., Dimitriadis X., Koutitas Ch. and Alvanou L., 2008. Environmental Impacts of Intensive Mussel Culture in the Coastal Waters of the Gulf of Thessaloniki (N. Greece), *Fresenius Environmental Bulletin*, Vol. 17, No 11b, pp 1945 - 1955.
8. **Moriki A.**, and K. Georgiadis, 2006. Water quality monitoring in a marine fish cage farm. *Journal of Environmental Protection and Ecology*. 7(3): 531-537.
9. Voutsinou-Taliadouri F., Zeri C. & **Moriki A.**, 2000. Distribution and Transfer of trace elements in the Aegean Seawater (Eastern Mediterranean Basin). *Mediterranean Marine Science*, 1(2): 5-30.
10. Zeri C., Voutsinou-Taliadouri F., Romanov A.S., Ovsjany E.I. & **Moriki A.**, 2000. A comparative approach to dissolved trace element exchange in two interconnected basins: Black Sea and Aegean Sea. *Marine Pollution Bulletin*, 4(8):666-673.
11. Voutsinou-Taliadouri F., Varnavas S.P., Nakopoulou Ch., **Moriki A.**, 1997. Dissolved Trace Elements in South Aegean Seawater. *Marine Pollution Bulletin*, 34(10): 840-843.
12. **Moriki A.**, Karydis M. & Coccossis H., 1996. Multicriteria Evaluation in Coastal Management. *Journal of Coastal Research*, 12(1): 171-178.
13. **Moriki A.** & Karydis M., 1996. A Laboratory Phytoplankton Microcosm for the Assessment of metal impacts in the marine environment. *Fresenius Environmental Bulletin*, 5: 740-745.
14. **Moriki A.** & Karydis M., 1994. Marine Eutrophication Assessment based on Multicriteria Analysis. *Environmental Monitoring & Assessment*, 33: 1-18.

Book Chapters

Karydis M., Ignatiades L., **Moriki A.**, Tsirtsis G. and Kitsiou D., 1996. Quantitative Assessment of Eutrophication: Criteria Development for the Management of Coastal Waters. Final Reports on Research Projects Dealing with Eutrophication and Heavy Metal Accumulation. *MAP Technical Reports Series* No. 104, UNEP, Athens pp 27-56.

Publications in proceedings of International Scientific Conferences

1. **Moriki A.**, A. Kyriakoudi, A. Koutra, M. Panousis, 2023. Microplastic accumulation in marine fishes *Mullus barbatus* and *Engraulis encrasicolus*. 1st Aristotle Conference on Chemistry (ACC), Advances and Challenges in Chemistry, Thessaloniki Greece, 12 -15 November 2023.
2. **Moriki A.**, Y. Savvidis, A. Antoniou, V.O Stoilas, 2018. The influence of hydrodynamic circulation in the trophic status of western Thessaloniki Gulf coastal waters, 5th International Conference on small and decentralized water and wastewater treatment plants, Thessaloniki 26-29 August 2018.
3. **Moriki A.**, Y. Savvidis, Ch. Papadimitriou, I. Fantidou, V.O Stoilas, A. Antoniou, S. Galinou-Mitsoudi, 2015. Variation of physicochemical parameters in a longline mussel culture system, [18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean region](#), 26-30/9/2015, Crete, Greece, Poster presentation. Book of Abstracts p. 196.
4. **Moriki A.**, Savvidis Y., Galinou-Mitsoudi S., Estimating the Carrying Capacity in a Mussel Farming Area in Greece (NW Thessaloniki Gulf), 2012. 50th ECSA Conference Today's science for tomorrow's Management 3-7 June 2012, NH Laguna Palace, Venice, Italy, Poster presentation.
5. **Moriki A.**, Y. Savvidis, K. Kombiadou and X. Dimitriadis, 2012. Nutrients and organic carbon fluxes in the Potidea Channel (NW Aegean Sea). Protection and Restoration of the Environment Conference, Thessaloniki 3-7 July 2012, διαθέσιμο σε ηλεκτρονική μορφή.
6. Galinou-Mitsoudi S., D. Samaras, A. Koutra & **A. Moriki**, 2012. Contribution to the spiny oyster *Spondylus gaederopus* (Bivalvia) autoecology. 12th ICZEGAR (Congress of the Zoogeography and Ecology of Greece and adjacent regions), 18-22 June 2012, Athens, Greece, Poster presentation.
7. Savvidis Y., **Moriki A.**, K. Kombiadou, X. Dimitriadis, E. Tsianaka, S. Kerpitsopoulou, and A. Hatzinikolaou, 2010. "Investigating the hydrodynamics and water quality in the Potidea channel (NW Aegean Sea)", 10th In. Conf. Protection & Restoration of the Environment, Corfu, Greece, July 2010.
8. Galinou-Mitsoudi S., Y. Savvidis, **A. Moriki**, D. Petridis, X. Dimitriadis, 2009. Mussel production in relation to ecohydraulic conditions in the culture area of NW Thessaloniki Gulf (NW Aegean, Greece). *Aquaculture Europe 2009*, Trodheim.
9. **Moriki A.**, Galinou-Mitsoudi S., Petridis D., Kosti D., Savvidis Y., Dimitriadis X., Koutitas Ch. and Alvanou L., (2007). Environmental Impacts of Intensive Mussel Culture in the Coastal Waters of the Gulf of Thessaloniki (N. Greece). 14th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, October 10th -14th, Seville, Spain, poster presentation.
10. Galinou-Mitsoudi S., **Moriki A.**, Savvidis Y., Dimitriadis X., Petridis D., Koutitas Ch. and Alvanou L., (2007). Spatial Fluctuation of the Quality of Mussels from Longline Cultures in terms of Environmental, Biological and Culturists Operation Parameters. 14th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, October 10th -14th, Seville, Spain, poster presentation.

11. Savvidis Y., Antoniou A., Dimitriadis X., Koutitas Ch., **Moriki A.**, Galinou-Mitsoudi S., Petridis D., and Alvanou L., (2007). Hydrodynamic Circulation in a Mussel Culture Area in NW Thermaikos Gulf (Greece). Proceedings of the eighth International Conference on the Mediterranean Coastal Environment, MEDCOAST 07, Alexandria, Egypt, 13-17 November 2007, 1263-1274.
12. Papadimitriou C.A., **A. Moriki**, S. Galinou-Mitsoudi, D. Gavriili, 2006. Environmental quality assessment by the use of natural populations of mussels as bioindicators, *in* Proceedings of the VIII Conference on the Protection and Restoration of the Environment, July 3-7, 2006, Chania, Greece, 485-486.
13. Papadimitriou C.A., **A. Moriki**, S. Galinou-Mitsoudi, D. Gavriili, 2006. The use of natural populations of mussels as bioindicators in environmental monitoring: the case of Thessaloniki and Thermaikos Gulfs NW Aegean Sea (Greece), the 6th International Symposium on Advanced Environmental Monitoring, June 27-30, 2006, Heidelberg, Germany, διαθέσιμο σε ηλεκτρονική μορφή.
14. **Moriki A.**, S. Galinou-Mitsoudi and H. Georgalas, 2005. Water quality parameters of the river Loudias, Northern Greece. 13^o International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP), 8-12 October 2005, Thessaloniki, Greece
15. Voutsinou-Taliadouri F., Zeri C., Ovsjany E.I., Romanov A.S., **Moriki A.**, 1999. Dissolved trace elements in an interrelated system Black Sea and Aegean Sea. International Conference: Oceanography of the Eastern Mediterranean and Black Sea. 23-26/2/1999, Zappeion, Athens, Greece, σελ. 39-40.
16. Friligos N., **Moriki A.**, Sklivagou E., Krasakopoulou E. & Hatzianestis I., 1998. Geochemical Characteristics of the Surficial Sediments of the Aegean Sea. *Rapp.Comm.int.Mer Medit.*, 35: 260-261.
17. **Moriki A.**, Zeri C., Zervakis V. & Georgopoulos D., 1998. Distribution and Transfer of Dissolved Trace Metals in the North Aegean Sea. International Symposium on Marine Pollution, 5-9/10/1998, Monaco, pp 532-533.
18. Friligos N., **Moriki A.**, Hatzianestis J., Barbetseas S., Sklivagou E. & Krasakopoulou E., 1998. Chemical Characteristics of the Surface Sediments of the Aegean Sea. European Commission-MAST Programme, Mediterranean Targeted Project II. 3rd MTP-II Workshop on "the Variability of the Mediterranean Sea". Rhodes, Greece, 15-17/10/1998, pp 208-209.
19. Voutsinou-Taliadouri F., **Moriki A.** & Zeri C., 1998. Distribution Pattern of Dissolved Trace Elements in Aegean Seawater. European Commission-MAST Programme, Mediterranean Targeted Project II. 3rd MTP-II Workshop on "the Variability of the Mediterranean Sea". Rhodes, Greece, 15-17/10/1998, pp 125-126.
20. Voutsinou-Taliadouri F., Varnavas S.P., Nakopoulou C. & **Moriki A.**, 1997. Biogenic Affinity of Dissolved Trace Elements in South Aegean Seawater. International Conference "Progress in Oceanography of the Mediterranean Sea". Rome, Italy, 17-19/11/1997, *Abstracts volume*: 143-144.
21. Th. Balopoulos, B. Price, S. Heussner, H. Kontoyiannis, A. Theocharis, A. Souvermezoglou, A. Monaco, O. Gotsi, L. Ignatiades, S. Varnavas, I. Skarvelis, C. Koutitas, P. Matsoukis, N. Kotsovinos, Ch. Nakopoulou, A. Iona, S. Stavrakakis, K. Pagou, **A. Moriki**, E. Krasakopoulou, 1996. Hydrology and biogeochemical fluxes in the south Aegean Sea and the straits of the Cretan Arc (March 1994-June 1995), The Pelagos group: International POEM-BC/MTP Symposium : Biological Processes in the Eastern Mediterranean Interaction with Hydrological Structures, Molitg les Bains, France; 07/1996.
22. **Moriki A.** and Karydis M., 1995. A laboratory phytoplankton microcosm for the assessment of metal impacts in the marine environment. *8th international Symposium on Environmental Pollution and its impact on life in the Mediterranean region*, Rodos, Greece, October 8-12, 1995, p 94.
23. Karadanelli M., **Moriki A.**, Faridis E. & Karydis M., 1992. Annual pattern of heterotrophic bacteria and phytoplankton in a nitrogen-rich coastal system, *Rapp. Comm. Int. Mer Medit.*, 33 p 198.

Publications in proceedings of Greek Scientific Conferences (in Greek)

More than 30 publications and posters.

Participation in Research Projects

1. 2016-2019, FoodOmicsGR. A consortium for comprehensive molecular characterisation of food products. Research and innovation Infrastructure, Coordinator, G. Theodoridis, AUTH.
2. 2014-2015, Innovative practices for sustainable and environmental friendly mussel culture, Operational Programme "Fisheries, 2007-2013".
3. 2011- Aqua-T Net - Promoting innovation and a European dimension through Lifelong learning in the field of Aquaculture, Fisheries and Aquatic Resources Management – Thematic Network ERASMUS LIFELONG LEARNING PROGRAMME.
4. 1/10/09-31/9/10, Investigation of the hydrodynamics and water mass interchanges between Thermaikos and Toronaios Gulfs, through the Potidea Channel (NW Aegean Sea), Alexander Technological Educational Institute of Thessaloniki.
5. 1/4/05-31/12/08, Scientific coordinator of the project: "Water circulation in an area of intense aquaculture/mussel culture and proposals of spatial and environmental improvement". Funded by the European Social Fund and National Resources-EPEAEK II-Archimidis Project.
6. 1996-1998, Intereg - NORTH AEGEAN. Cross-boundary pollution in the North Aegean Sea. Ministry of Development.

7. 1996-1998. MATER - MAST II. Biogeochemical fluxes and processes in the Aegean Sea. Funded by the European Union.
8. 1996-1998, QUASIMEME II. Intercalibration program for the good laboratory practice in the analysis of trace metals and nutrients in seawater and sediments. National Centre of Marine Research.
9. 1996-1998, Oil pollution in the western Saronicos Gulf. Funded by the company "Argolida fish farming".
10. 1996-1998, MED-POL. Monitoring of the geochemical characteristics of the sediments of the Aegean and Ionian Sea. Funded by UNEP and the Ministry of Environment.
11. 1995, PELAGOS - MAST I. Hydrodynamics and biogeochemical fluxes in the waters of southern Aegean Sea and the Straits of the Cretan Arch. Funded by the European Union.
12. 1995, MED-POL Monitoring of pollution in Saronicos Gulf, Funded by UNEP and the Ministry of Environment.
13. 1/7/1994-31/12/1994, "DMS modelling: a close examination of the black box.", MAST II, Funded by the European Union.
14. 18/6/1991-18/12/1993, "Monitoring of coastal water quality of the islands Lesvos and Rhodes", MED-POL. Funded by UNEP and the Ministry of Environment.
15. 16/1/1993-31/12/1993, Influence of eutrophication on the survival of the marine microbial flora (MED-POL Phase II). Funded by UNEP and the Ministry of Environment.
16. 1/7/1990-31/12/1990, "Evaluation of a Laboratory Bioassay System", University of the Aegean.
17. 1/7/1990-1/8/1990. FAO/UNEP "Eutrophication assessment based on multivariate procedures", Funded by UNEP.
18. 1/1/1989-15/10/1990. "Atmospheric quality in the city of Mytilini-Lesvos", funded by Lesvos Prefecture.
19. 1/8/1989-31/10/1989. Geothermal site of Nisiros, "investigation of air pollution", funded by the municipality of Nisiros.

Educational Projects

1/10/05-30/9/08. Scientific coordinator of the project: "Practical training of the students of the Department of Fisheries and Aquaculture Technology". Funded by the European Social Fund and National Resources-EPEAEK II.

Training Experience

"3rd Intensive Training Course on the Applications of Ecotoxicology in the Monitoring, Regulation and Control of Marine Pollution", Ecology Centre, University of Sunderland, England 19-31/7/1993.

"Oceanography: Prediction of Change in Coastal Seas", European Science Foundation Port d'Albert, France, 19-24/6/1993.

"Training Workshop on aspects of marine documentation in the Mediterranean", Foundation for International Studies, Valletta, Malta, 23-26/11/1992.

Erasmus Grant, "Vrije Universiteit" Amsterdam, The Netherlands (15/3-15/6/1991). Multicriteria Analysis in regional and environmental economics.

Referee in Scientific Journals

Journal of Sea Research
 Toxicological & Environmental Chemistry
 Desalination and Water Treatment
 Global Nest

Teaching Experience-Undergraduate Courses

Department of Food Technology

- Food Biochemistry
- Food Toxicology
- Water Pollution Control Chemistry and Technology
- Instrumental Analysis of Food
- Scientific Report Writing

Department of Fisheries and Aquatic Technology

- Chemical Oceanography
- Organic Chemistry and Biochemistry
- Aquatic Pollution and Toxicology
- Water Quality Monitoring and Assessment