

Maria Drosi

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Fisheries scientist with a strong academic foundation in marine sciences research. My expertise lies in the fields of fisheries science and environmental monitoring. I have contributed to multidisciplinary projects such as the INVASION project, DCF and ALGEBRA, to address ecological challenges.

EDUCATION

2021-2023

MRes Marine Sciences (Distinction), University of the Aegean
GPA : 9.11/10

Thesis: 'Invisible invaders: 'Parasite fauna of the marbled electric ray *Torpedo marmorata* in the northeastern Mediterranean Sea'.

Supervisors : Associate Professor Ioannis E. Batjakas, Dr. Chrysoula Gubili Grade : 9/10

Relevant Modules: Foundation of Quantitative Analysis, Field Methods, Data Analysis and Models in Marine Science, Research Methods, Writing of a scientific paper

2017-2020

BSc Marine Sciences (Upper Second Class), University of the Aegean
GPA: 7.64/10

Dissertation : 'Dietary and morphological traits of *Sparisoma cretense* (Linnaeus, 1758) in the Aegean Sea'.

Supervisor : Associate Professor Ioannis E. Batjakas Grade: 9.7/10

Modules: Marine Biology; Marine Ecology; Biological Conservation and Marine Protected Areas; Fisheries Management; Marine Biodiversity; Fisheries Biology; Ichthyology; Ocean and Climate Change; Modelling and Applications; Remote sensing.

PROFESSIONAL EXPERIENCE

07/2024 – Present **Research Assistant**, Hellenic Centre for Marine Research

National Fisheries Data Collection Project: Section for Biological Sampling Processing, Institute of Marine Biological Resources and Inland Waters.

Aim of the project: Collection of comprehensive data on the exploitation of fisheries resources.

Brief summary:

- Biological assessment of commercial fish, crustaceans, and cephalopods to determine sexual maturity, including extraction of cranial otoliths for age analysis.
- Otolith age estimation of *Sardina pilchardus* via stereoscopic image analysis

- Data entry and management in the National Fisheries Database
- Participation in the MEDITS (Mediterranean International Trawl Survey) field campaign, conducting biological sampling and data collection onboard research vessels.

DecarboNYT Project : Decarbonisation of the fishing fleet in the Mediterranean and Black Sea Framework Contract for the provision of scientific advice for the Mediterranean and the Black Sea.

Brief summary:

- Performed data entry of catch records
- Assisted in writing technical reports summarizing survey findings and analyses.

9/2023 – 11/2023

Research Internship, Athena Research Centre

ALGEBRA: Innovative wastewater biotherapy practice for the removal of toxic compounds using microalgae in the context of a circular economy.

Brief summary:

- Microalgae cultivation of *Chlorella vulgaris*, *Scenedesmus obliquus*
- Prepared cultivation medium protocols
- Microalgae cell quantification

5/2022 – 11/2022

MSc Internship, Fisheries Research Institute

Research Thesis:

Invisible invaders: 'Parasite fauna of the marbled electric ray *Torpedo marmorata* in the northeastern Mediterranean Sea'

Brief summary:

- Classification of cestodes in *T.marmorata* through staining techniques
- Stomach content analysis
- Molecular identification of cestodes

6/2022 – 11/2022

Research Assistant, University of the Aegean

INVASION: Monitoring and control of invasive alien species in Greece with innovative techniques under present and future climatic conditions

Brief summary:

- Stomach content analysis of marine invasive species using traditional and environmental DNA (eDNA) analysis techniques.

6/2020 – 7/2020

Internship FISHROOM IKE

Completed an internship at FISHROOM IKE focusing on ornamental fish biology

- Preservation of marine and freshwater organisms (crustaceans, corals, invertebrates, fish)
- Participated in laboratory analysis to assess the biology of various fish species.
- Aquarium daily maintenance
- Identifying and treating fish diseases

PUBLICATIONS

Under Review

Drosi, M., Penadés-Suay, J., Papadopoulou, P., Touloumis, K., Batjakas, I., Gubili, C.. Invisible invaders: 'Parasite fauna of the marbled electric ray *Torpedo marmorata* in the northeastern Mediterranean Sea

REPORTS

Conides, A., Adamidou, A., Mytilineou, C., Touloumis, K. Christidis, G., Dogrammatzi, K., Kallias, E., **Drosi, M.**, Papoutsis, A., Gitarakos, G., Geropoulos, G., Dimitriadis, I., Arapoglou, F., Tsiridis, L., Laiaki, M., 2025. Pilot study for the Aegean and Cretan Seas - GSA 22 and 23. Deliverable D19, Task 2, Subtask 2g, Project: *Decarbonisation of the fishing fleet in the Mediterranean and Black Sea. Framework Contract for the provision of scientific advice for the Mediterranean and the Black Sea* (Specific Contract No. 7, EASME/EMFF/2020/OP/0021), 3 pp

CONFERENCES

Lefkadiou, E., **Drosi, M.**, Komatas, D., Manoliou, A., Dokos, I., Rokana, C., Stamouli, C., Charalambous, K., Christides, G., & Dogrammatzi, A. (2025). *The recent invasion of Lessepsian fish species on the continental shelf of Saronikos Gulf, as evidenced by MEDITS survey data*. In Proceedings of the Hellenic Conference of Ichthyologists 19: 103-106.

Drosi, M., & Batjakas, I. (2025). *Preliminary study of the diet of *Sparisoma cretense* (Linnaeus, 1758) in the Aegean Sea*. In Proceedings of the Hellenic Conference of Ichthyologists 19: 43-46.

SKILLS

Languages

Greek (Native); **English** (Professional Working Proficiency)

Lab Skills

PCR (Polymerase Chain Reaction); Cranial otolith extraction; Taxonomic identification; Fish stomach content analysis

IT Skills

Microsoft Office (Word, Excel, Outlook, PowerPoint); RStudio; QGIS; StatGraphics; Image-Pro Plus