

Tiago Alexandre Matias da Veiga Malta

Year of birth: 1986

ORCID

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Degrees

BSc (Biology), Faculty of Sciences, University of Porto, Portugal (2011).

MSc (Biological Aquatic Resources), Faculty of Sciences, University of Porto, Portugal (2013).

PhD (Fisheries Technology), DTU Aqua, Technical University of Denmark (2019).

Positions

Fisheries Biologist, IPMA – Instituto Português do Mar e da Atmosfera, Division of Modelling and Management of Fishery Resources, Portugal (2013-2015).

PhD Student, DTU Aqua, Technical University of Denmark, Denmark (2016-2019).

Research Assistant, DTU Aqua, Technical University of Denmark, Denmark (2019).

Postdoc, Technical University of Denmark, Denmark (2019-2021).

Researcher, Section for Fisheries Technology, Technical University of Denmark, Denmark (2021-present).

Research area

Developing, testing, documenting and implementing selective fishing gears. Developing methods for greater and more efficient involvement of the fishing industry in the fishing gear development process. Estimating and modeling selectivity and performance of selective devices and fishing gears. Assessing and reducing environmental effects of fishing gears. Assessing the effect of technological developments in commercial fisheries. Optimizing catch efficiency in commercial fishing gears. Assessing the stock condition of the Norway lobster.

Memberships of scientific committees, 2016-present

ICES expert groups: WGFTFB (2016-present), WGNSSK (2018-present), WGCran (2019-present), WGNeps (2025-present).

Web of Science publications: 17. **Citations:** 130. **h-index:** 10. **Reports:** 10.

International conferences, 2016-present: Contributions as first author: 4. **Organizing role:** 1.

Advisory tasks, 2016-present

Participation in various ICES expert and advisory groups.

Educational tasks at academical level, 2016-present

DTU course PhD: Fish capture technology (co-responsible/responsible in 2024).

DTU course MSc: Applied methods in fisheries technologies (co-responsible)

DTU course MSc: Sustainability of fish capture methods (contributor)

DTU course MSc: Introduction of modelling observations of natural resources (contributor)

Supervision of 2 PhD students and 2 MSc students.

Development of multiple shiny apps for several fisheries technology courses used as teaching tools, e.g, https://timatdtu.shinyapps.io/shinyapp/?_ga=2.51794730.265417946.1617551903-1642058366.1616664463

Grants (competitive), ongoing or finished in 2016 or later

EMFF: Bycatch reduction in the North Sea brown shrimp beam trawl fishery (project leader – project finished).

EMFF: Development of selective gears and technologies for commercial fisheries (SELEKT) (Work package leader – project finished)

EMFAF: TechCare – Technological Advancements for Carbon-footprint Reduction in the northern shrimp fishery (project leader)

EMFAF: Investigating transport, resuspension, penetration impacts of demersal gears (INTREPID) (Work package leader)

EMFAF: Reduced climate gas emissions in the brown shrimp fishery (REDUCE SHRIMP GAS) (Work package leader)
EMFAF: Development and value optimisation of a Danish fishery for greater weever (GreatDane) (Work package leader)
EMFAF: Bæredygtighed af jomfruhummerfiskeri med tejner i dansk farvand (JomfruTejn) (Work package leader)
EMFAF: Development of gillnet fisheries and shore crab pots to build new sustainable fisheries (Net-POT) (Main collaborator)
EU project: RightFish - Reducing environmental impact and greenhouse gas emissions in commercial fisheries. (collaborator)
EU project: NFINIFISH - Climate-friendly and resilient fisheries through innovation and co-learning (collaborator)

Few selected publications

Huda, N., **Veiga-Malta, T.**, Eigaard, O., & O'Neill, F. G. (2025). Flume tank trials to investigate the snagging of towed demersal fishing gears on boulders. *Fisheries Research*, 281, 107237.

DOI: 10.1016/j.fishres.2024.107237

Eighani, M., **Malta, T. V.**, Melli, V., & O'Neill, F. G. (2024). Semi-pelagic self-adjusting otter boards: effects on the catching performance of a demersal trawl. *Canadian Journal of Fisheries and Aquatic Sciences*, 81(4), 444-458.

DOI: 10.1139/cjfas-2023-0224

Eighani, M., **Veiga-Malta, T.**, & O'Neill, F. G. (2023). Hydrodynamic performance of semi-pelagic self-adjusting otter boards in demersal trawl fisheries. *Ocean Engineering*, 272, 113877.

DOI: 10.1016/j.oceaneng.2023.113877

Veiga-Malta T., Feekings JP, Frandsen RP, Herrmann B & Krag LA (2020). Testing a size sorting grid in the brown shrimp (*Crangon Crangon* Linnaeus, 1758) beam trawl fishery. *Fisheries Research*, 231, 105716.

DOI: 10.1016/j.fishres.2020.105716.

Veiga-Malta T., Breddermann K, Feekings JP, Krag LA & Paschen M (2020). Understanding the hydrodynamics of a size sorting grid in a crustacean fishery. *Ocean Engineering*, 198, p.106961.

DOI: 10.1016/j.oceaneng.2020.106961.

Veiga-Malta T., Feekings J, Herrmann B & Krag LA (2019). Industry-led fishing gear development: Can it facilitate the process? *Ocean and Coastal Management*, 177: 148-155. DOI: 10.1016/j.ocecoaman.2019.05.009.

Veiga-Malta T., Feekings J, Herrmann B & Krag LA (2018). When is enough, enough? Quantifying trade-offs between information quality and sampling effort for fishing gear selectivity data. *PloS one*, 13(6).

DOI: 10.1371/journal.pone.0199655.