Carlo Cattano

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Current Position: Researcher

Current Affiliation:
Integrative Marine Ecology Department, Stazione Zoologica Anton Dohrn, Palermo (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
University of Palermo (Italy)	Bachelor	2001-2008	Biological sciences
University of Palermo (Italy)	Master (Laurea)	2008-2011	Marine Ecology
University of Palermo (Italy)	Ph.D.	2014-2017	Effects of Ocean Acidification on physiology, behaviour and ecology of fish
National Inter-University Consortium for Marine Sciences (CoNISMa)	Postdoc	2017-2020	Evaluation of structure and composition of fish communities under different levels of protection
Stazione Zoologica Anton Dohrn, Napoli, Italy	Researcher	2020-present	Marine Ecology

Publications

List of publications of the last 10 years

Peer-reviewed publications:

Cattano C, Turco G, Di Lorenzo M, Gristina M, Visconti G, Milazzo M. (In press). Sandbar shark aggregation in the Central Mediterranean Sea and potential effects of tourism. *Aquatic Conservation: Marine and Freshwater Ecosystems*. DOI: 10.1002/aqc.3517

Cattano C, Agostini S, Harvey BP, Wada S, Quattrocchi F, Turco G, Inaba K, Hall-Spencer JM, Milazzo M. (2020). Changes in fish communities due to benthic habitat shifts under ocean acidification conditions. *Science of the Total Environment*. 725:138501

Aglieri G, Baillie C, Mariani S, **Cattano C**, Calò A, Turco G, Spatafora D, Di Franco A, Di Lorenzo M, Guidetti P, Milazzo M. (2020). Environmental DNA effectively captures functional diversity of coastal fish communities. *Molecular Ecology*. https://doi.org/10.1111/mec.15661

Cattano C, Fine M, Quattrocchi F, Holzman R, Milazzo M. (2019). Behavioural responses of fish groups exposed to a predatory threat under elevated CO2. *Marine Environmental Research*. 147: 179-184

Di Franco A, Calo` A, Sdiri K, **Cattano C**, Milazzo M, Guidetti P. (2019). Ocean acidification affects somatic and otolith growth relationship in fish: evidence from an in situ study. *Biology Letters*. 15: 20180662.

Cattano C, Claudet J, Domenici P, Milazzo M. (2018). Living in a high CO2 world: a global meta-analysis shows multiple trait-mediated fish responses to ocean acidification. *Ecological Monographs*. 88(3), 320-335

Sinopoli M, **Cattano C**, Chemello R, Timpanaro A, Milisenda G, Gristina M. (2018). Nest-mediated parental care in a marine fish: Are large-scale nesting habitats selected and do these habitats respond to small-scale requirements? *Mediterranean Marine Science*. doi:http://dx.doi.org/10.12681/mms.14993

Cattano C, Calò A, Di Franco A, Firmamento R, Quattrocchi F, Sdiri K, Guidetti P, Milazzo M. (2017). Ocean acidification does not impair predator recognition but increases juvenile growth in a temperate wrasse off CO2 seeps. *Marine Environmental Research*. 132, 33-40

Milazzo M, **Cattano C**, Alonzo SH, Foggo A, Gristina M, Rodolfo-Metalpa R, Sinopoli M, Spatafora D, Stiver KA, Hall-Spencer JM. (2016). Ocean acidification affects fish spawning but not paternity at CO2 seeps. *Proceedings of the Royal Society B: Biological Sciences.* 283(1835), 20161021

Cattano C, Giomi F, Milazzo M. (2016). Effects of ocean acidification on embryonic respiration and development of a temperate wrasse living along a natural CO2 gradient. *Conservation Physiology*. 4(1).

Sinopoli M, **Cattano C**, Andaloro F, Sarà G, Butler C, Gristina M (2015). Influence of fish aggregating devices (FADs) on anti-predator behaviour within experimental mesocosms. *Marine Environmental Research*. 112: 152-159

Sinopoli M, **Cattano C**, Chemello R, Timpanaro A, Timpanaro V, Gristina M. (2015) Nest building in a Mediterranean wrasse (*Symphodus ocellatus*): are the algae used randomly chosen or actively selected? *Marine Ecology*. 36(4): 942–949.