

Alice Blanckaert



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Current Position

Postdoctoral Fellow

Current Affiliation

Integrative Marine Ecology Department, *Stazione Zoologica Anton Dohrn*, Genova (Italy)

Education/Training/Expérience

Institute and Location	Degree / Function	Year	Field of Study
Stazione Zoologica Anton Dohrn, Napoli, Italy	Postdoc	2023-present	Spatial and temporal variability of gas fluxes and ratios in coastal marine ecosystems
Sorbonne Université, France Centre Scientifique de Monaco	PhD	2019-2023	Effects of macro and micronutrient availability on the physiology of tropical corals
Sorbonne Université, France	Master of Science	2018-2019	Integrative Biology and Physiology – Effects of nitrate enrichment on the oxidative status of scleractinian corals under various environmental conditions
University of Queensland, Australia Skema, France	Bachelor of Science - Honours	20014 - 2017	Marine Biology – Variation in the elemental stoichiometry of the coral-dinoflagellate symbiosis

Grants and Awards

2020 **Murray Foundation** to attend ICRS2022 (14th and 15th) in Bremen.

2020 **ASSEMBLE Plus**, fundings for the RESCUES project (Red Sea Corals Under Environmental Stress) (application n° 10961) in collaboration with the Inter-University Institute in Eilat, Israel (*Project cancelled following COVID restriction*).

2019 **Sorbonne University**, doctoral contract obtained through selection procedures.

Publications

Author of 5 publications on ISI-journals (h index: 3)

Peer-reviewed publications

5. **Blanckaert, A.C.A.**, Biscéré, T., Grover, R., Ferrier-Pagès, C. (2023) Species-specific response of corals to imbalanced ratios of inorganic nutrients. *International Journal of Molecular Science*, 24(4), 3119. <https://doi.org/10.3390/ijms24043119>
4. **Blanckaert, A. C. A.**, Grover, R., Marcus, M.-I., & Ferrier-Pagès, C. (2023). Nutrient starvation and nitrate pollution impairs the assimilation of dissolved organic phosphorus in coral-Symbiodiniaceae symbiosis. *Science of The Total Environment*, 858, 159944. <https://doi.org/10.1016/j.scitotenv.2022.159944>
3. **Blanckaert, A. C. A.**, Omanović, D., Fine, M., Grover, R., & Ferrier-Pagès, C. (2022). Desert dust deposition supplies essential bioelements to Red Sea corals. *Global Change Biology*, 28(7), 2341–2359. <https://doi.org/10.1111/gcb.16074>
2. **Blanckaert, A. C. A.**, de Barros Marangoni, L. F., Rottier, C., Grover, R., & Ferrier-Pagès, C. (2021). Low levels of ultra-violet radiation mitigate the deleterious effects of nitrate and thermal stress on coral photosynthesis. *Marine Pollution Bulletin*, 167, 112257. <https://doi.org/10.1016/j.marpolbul.2021.112257>
1. **Blanckaert, A. C. A.**, Reef, R., Pandolfi, J. M., & Lovelock, C. E. (2020). Variation in the elemental stoichiometry of the coral–zooxanthellae symbiosis. *Coral Reefs*, 39(4), 1071–1079. <https://doi.org/10.1007/s00338-020-01932-8>

Conference participation

Oral presentation

2022 15th International Coral Reef Symposium, Bremen

Poster presentation

2021 14th International Coral Reef Symposium, Bremen (Virtual)