

ALICE OPRANDI CURRICULUM VITAE

Surname: Oprandi

Name: Alice

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EDUCATION

2020_ Doctor of Philosophy (PhD) in Science and Technology for the Environment and the Territory - Marine Science curriculum- University of Genoa, thesis titled "Conservation status and trajectories of change in marine coastal ecosystems"

2013_ Master degree in Marine Sciences at University of Genoa

2010_ Bachelor degree in Environmental Sciences at University of Genoa

WORK HISTORY

May 2022 to date_ Research fellow at DISTAV (University of Genoa) within the EU project 'LIFEPinna LIFE20 NAT/IT/001122'

May 2021- May 2022_ Research fellow at DISTAV (University of Genoa) University within the project 'Application and comparison of ecological indices for defining the quality of coastal marine habitats'.

March 2020 – February 2021_ Reseach fellow at ISPRA (Italian Institute for Environmental Protection and Research) within the EU project 'LIFE SEPOSSO Supporting Environmental governance for the *POSidonia oceanica* Sustainable transplanting Operations LIFE 16 GIE/IT/000761'.

November 2019 – February 2020_ Research fellow at DISTAV (University of Genoa) Supporting teaching in the context of the 'Scientific Degrees' project

2016-2019_ PhD scholarship at University of Genoa

October 2018 to date_ Member of GeoScape Soc. Coop. academic Spin Off (DISTAV University of Genoa)

June – July 2018_ scholarship within the project 'Sponge spicules as a powerful proxy to understand benthic community variations in a global change scenario'.

PROFESSIONAL EXPERIENCES

February 2021 and February 2025 Scientific expedition to the southern atolls of the Maldives (DISTAV, International School for Scientific Diving (I.S.S.D.), Albatros Top Boat)

13-20 June 2021 Field monitoring campaign within the project 'Mapping and evaluation of *Posidonia oceanica* meadows and other important marine habitats under the EU Habitat Directive (92/43/EEC) in the coastal waters of Cyprus'. MER (Marine & Environmental Research Lab Ltd), Limassol, Cyprus

2014 - 2024_26th,25th, 24th, 23th, 22th, 21th, 20th, 19th, 18th 17th Maldives Scientific Cruise (DISTAV, International School for Scientific Diving (I.S.S.D.), Albatros Top Boat)

September 2015 – November 2015 Research scholarship at CORAL EYE, Bangka Island, North Sulawesi, Indonesia.

19 - 21 July 2007_ Oceanographic campaign around Aeolian islands archipelago (N/O "Universitatis, University of Genoa)

PUBLICATIONS

Oprandi, A., Bianchi, C. N., Morri, C., & Canessa, M. 2025. Are shallow-water hydrothermal vents stable? A comparison of published maps of the Paleochori Bay (Milos, Greece) systems twenty years apart. *Continental Shelf Research*, 105494.

Bordoni, R., Paoli, C., Montefalcone, M., **Oprandi, A.**, Rigo, I., Ruggeri, F., & Vassallo, P. 2025. Habitat suitability modeling for *Posidonia oceanica* distribution along a Mediterranean region (NW Italy). *Environmental and Sustainability Indicators*, 25, 100587.

Cassetti, O., Azzola, A., Bianchi, C. N., Morri, C., **Oprandi, A.**, & Montefalcone, M. (2025). Different impact of a severe storm on two gorgonian species. *Marine Environmental Research*, 204, 106917.

Ferranti, M. P., Azzena, I., Batistini, E., Caracciolo, D., Casu, M., Chiantore, M., Ciriaco, S., Firpo, V., Intini, L., Locci, C., Montefalcone, M., **Oprandi, A.**, Sanna, D., Scarpa, F., Segarich, M. 2024. Handling of the Bivalve *Pinna nobilis*, Endangered and Pathogen-Affected Species, for Controlled Reproduction: Precautions Taken. *Ecology and Evolution*, 14(12), e70565.



Robello, C., **Oprandi, A.**, Bavestrello, G., Mancini, I., & Montefalcone, M. 2024. Effectiveness of a *Posidonia oceanica* (L.) Delile transplantation in the Gulf of Tigullio (Ligurian sea) 23 years later. *Biol. Mar. Mediter.*, 28(1), 129-132.

Oprandi, A., Fouillet, L., Morri, C., Bianchi, C. N., Mancini, I., Azzola, A., ... & Montefalcone, M. 2024. Cartografia della prateria di *Posidonia oceanica* di Bergeggi: 35 anni di storia. *Biol. Mar. Mediter.*, 28(1), 121-124.

Mancini, I., Bianchi, C. N., Morri, C., Azzola, A., **Oprandi, A.**, Robello, C., & Montefalcone, M. 2024. A marine invasion story: *Caulerpa cylindracea* (Chlorophyta, Ulvophyceae) in the marine protected area of Portofino (Ligurian Sea). *Biol. Mar. Mediter.*, 28(1), 83-86.

Azzola, A., Atzori, F., Cadoni, N., Carosso, L., Gutiérrez, M. L. G., Mancini, I., Atzeni, V., **Oprandi, A.**, ... & Montefalcone, M. 2024. Abandoned fishing gears impact on coralligenous reefs of capo carbonara marine protected area. *Biol. Mar. Mediter.*, 28(1), 47-50.

Mancini, I., Azzola, A., Bianchi, C. N., Capello, M., Cutroneo, L., Morri, C., **Oprandi, A.**, Montefalcone, M. 2024. Habitat Fragmentation Enhances the Difference between Natural and Artificial Reefs in an Urban Marine Coastal Tract. *Diversity*, 16(6), 316.

Robello, C., Acunto, S., Leone, L. M., Mancini, I., **Oprandi, A.**, Montefalcone, M. 2024. Large-scale re-implantation efforts for *Posidonia oceanica* restoration in the Ligurian Sea: Progress and challenges. *Diversity*, 16(4), 226.

Azzola, A., Bianchi, C. N., Merotto, L., Nota, A., Tiralongo, F., Morri, C., & **Oprandi, A.** 2024. The changing biogeography of the Ligurian Sea: Seawater warming and further records of southern species. *Diversity*, 16(3), 159.

Oprandi, A., Aicardi, S., Azzola, A., Benelli, F., Bertolino, M., Bianchi, C. N., ... & Montefalcone, M. 2024. A tale of two sisters: The southerner *Pinna rudis* is getting north after the regional extinction of the congeneric *P. nobilis* (Mollusca: Bivalvia). *Diversity*, 16(2), 120.

Pergent, C., André, S., Castejón-Silvo, I., Deter, J., Frau, F., Gerakaris, V., Mancini, G., Molenaar, H., Montefalcone, M., **Oprandi, A.**, Pergent, G., Poursanidis, D., Royo, L., Terrados, J., Tomasello, A., Ventura, D., Villers, F. 2024). Guidelines for *Posidonia oceanica* restoration.

Oprandi, A., Atzori, F., Azzola, A., Bianchi, C. N., Cadoni, N., Carosso, L., Desiderà, E., Frau, F., Garcia Gutierrez, M.L., Guidetti, P., Morri, C., Piazzini, L., Poli, F., Montefalcone, M. 2023. Multiple indices on different habitats and descriptors provide consistent assessments of environmental quality in a Marine Protected Area. *Frontiers in Marine Science*, 10, 480.



Zampa, G., Azzola, A., Bianchi, C. N., Morri, C., **Oprandi, A.**, & Montefalcone, M. 2023. Patterns of change in coral reef communities of a remote Maldivian atoll revisited after eleven years. *PeerJ*, 11, e16071.

Cutroneo, L., Ahmed, H., Azzola, A., Fontana, H., Geneselli, I., Mancini, I., Montefalcone, M., **Oprandi, A.**, Pancrazi, I., Vanin, S., Capello, M. 2023. First Chemical–Physical Measurements by Multi-Parameter Probe in the Blue Hole of Faanu Madugau (Ari Atoll, the Maldives). *Environments*, 10(10), 180.

Gallo, E., **Oprandi, A.**, Bianchi, C. N., Morri, C., Azzola, A., & Montefalcone, M. 2023. Unexpected slow recovery of seagrass leaf epiphytes after the impact of a summer heat wave and concomitant mucilage bloom. *Marine Environmental Research*, 189, 106034.

Azzola, A., Bianchi, C. N., Mangraviti, S., Redoano, C., Varenne, A., Morri, C., **Oprandi, A.**, Montefalcone, M. 2023. A novel driver of change for benthic communities: The mucilaginous event of summer 2018 at Portofino (Ligurian Sea). *Biol. Mar. Mediter.*, 27(1), 57-60.

Azzola A., Picchio V., Bianchi C.N., Morri C., **Oprandi A.**, Montefalcone M. 2023. Troubles never come alone: multiple affectors on a temperate rocky reef. *Water*, 15, 825.

Fraschetti, S., Fabbrizzi E., Tamburello L., Uyarra, M., Micheli F., Sala E., Pipitone C., Badalamenti B., Bevilacqua S., Boada J., Cebrian E., Ceccherelli G., Chiantore M., D'Anna G., Di Franco A., Farina S., Giakoumi S., Gissi E., Guala I., Guidetti P., Katsanevakis S., Elisabetta Manea; Monica Montefalcone; Maria Sini; Valentina Asnaghi; Antonio Calò; Di Lorenzo M., Garrabou J., Musco L., **Oprandi A.**, Rilov G., Borja A., 2022. An integrated assessment of the Good Environmental Status of Mediterranean Marine Protected Areas. *Journal of Environmental Management*, 305, 114370.

Oprandi A., Mancini I., Bianchi C.N., Morri C., Azzola A., Montefalcone M. Indices from the past: relevance in the status assessment of *Posidonia oceanica* meadows. UNEP/MAP – SPA/RAC, 2022. *Proceedings of the 7th Mediterranean Symposium on Marine Vegetation* (Genova, Italy, 19-20 September 2022): 71-77. BOUAFIF C., OUERGHI A., edits, SPA/RAC publi., Tunis, 152 p.

Montefalcone M., Azzola A., Canessa M., Morri C., **Oprandi A.**, Bianchi C.N. The sea caves of the Marine Protected Area of Portofino (Ligurian Sea): lack of knowledge and management. UNEP/MAP – SPA/RAC, 2022. *Proceedings of the 3rd Mediterranean Symposium on the conservation of Dark Habitats* (Genova, Italy, 21-22 September 2022): 53-58. BOUAFIF C., OUERGHI A., edits, SPA/RAC publi., Tunis, 124 p.

Azzola, A., Bianchi, C.N., Morri, C., **Oprandi, A.**, Montefalcone, M. Variability between observers in rapid visual assessment of coralligenous assemblages in the Marine Protected Area of Portofino (Ligurian Sea). UNEP/MAP – SPA/RAC, 2022. *Proceedings of the 4th Mediterranean Symposium on the conservation of Coralligenous & other Calcareous Bio-Concretions* (Genova, Italy, 20-21 September 2022): 23-27. BOUAFIF C., OUERGHI A., edits, SPA/RAC publi., Tunis, 184 p.



Montefalcone M., **Oprandi A.**, Azzola A., Morri C., Bianchi C.N. 2022. Serpulid reefs and their role in aquatic ecosystems: A global review. *Advances in Marine Biology*, 92, 1-54.

Costa, G., **Oprandi, A.**, Bavestrello, G., Castellano, M., Bertolino, M. 2022. Biogenic silica in the *Posidonia oceanica* "matte", a tool to discover past dynamics of the sponge community. *The European Zoological Journal*, 89(1), 1285-1293.

Bianchi C.N., Azzola A., Morri C., **Oprandi A.**, Montefalcone M. 2022. Biodiversity monitoring in Marine Protected Areas: scientific and methodological challenges. *Diversity*, 14(1), 43.

Azzola A., Bianchi C.N., Morri C., **Oprandi A.**, Peirano A., Montefalcone M. 2022. Population structure change in a temperate reef coral after a quarter of century. *Estuarine, Coastal and Shelf Science*, 270, 107851.

Azzola A., Atzori F., Bianchi C.N., Cadoni N., Frau F., Mora F., Morri C., **Oprandi A.**, Orrù P.E., Montefalcone M., 2022. Variability between observers does not hamper detecting change over time in a temperate reef. *Marine Environmental Research*, 177, 105617.

Oprandi, A., Bianchi, C. N., Karayali, O., Morri, C., Rigo, I., Montefalcone, M., 2021. RESQUE: A novel comprehensive approach to compare the performance of different indices in evaluating seagrass health. *Ecological Indicators*, 131, 108118.

Azzola A., Bavestrello G., Bertolino M., Bianchi C.N., Bo M., Enrichetti F., Morri C., **Oprandi A.**, Toma M., Montefalcone M., 2021. Cannot conserve a species that has not been found: the case of the marine sponge *Axinella polypoides* in Liguria, Italy. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31(4), 737-747.

Rigo, I., Paoli, C., Dapuzeto, G., Pergent-Martini, C., Pergent, G., **Oprandi, A.**, Montefalcone, M., Bianchi, C.N., Morri, C., Vassallo, P., 2021. The natural capital value of the seagrass *Posidonia oceanica* in the North-Western Mediterranean. *Diversity*, 13(10), 499.

Oprandi A., Mucerino L., De Leo F., Montefalcone M., Ferrari M., Besio G., Benelli F., Azzola A., Morri C., Bianchi C.N., 2020. Effects of a severe winter storm on seagrass meadows. *Science of the Total Environment*, 784, 141373.

Mancini, I., Rigo, I., **Oprandi, A.**, Montefalcone, M., Morri, C., Peirano, A., Vassallo, P., Paoli, C., Bianchi, C.N., 2020. What biotic indices tell us about ecosystem change: Lessons from the seagrass *Posidonia oceanica*. *Vie et Milieu/Life & Environment*, 70 (3-4), 55-61.

Rigo, I., Dapuzeto, G., Paoli, C., Massa, F., **Oprandi, A.**, Venturini, S., Merotto, L., Fanciulli, G., Capanera, V., Montefalcone, M., Bianchi, C.N., Morri, C., Pergent-Martini, C., Pergent, G., Vassallo, P., 2020. Changes in the ecological status and natural capital of *Posidonia oceanica* meadows due to human pressure and extreme events. *Vie et Milieu/Life & Environment*, 70 (3-4), 137-148.



Oprandi, A., Montefalcone, M., Morri, C., Benelli, F., Bianchi, C.N., 2019. Water circulation, and not ocean acidification, affects coral recruitment and survival at shallow hydrothermal vents. *Estuarine, Coastal and Shelf Science*, 217, 158-164.

Rigo, I., Montefalcone, M., Morri, C., Bianchi, C.N., **Oprandi, A.**, Vassallo, P., Paoli, C., 2019. Use of ecological indices to assess the health status of *Posidonia oceanica* meadows in the Eastern Liguria. In C. Gargiulo & C. Zoppi (Eds.), Planning, nature and ecosystem services (pp.271-280). Naples: FedOAPress. ISBN: 978-88-6887-054-6, doi:10.6093/978-88-6887-054.6.

Bianchi, C.N., Azzola, A., Bertolino, M., Betti, F., Bo, M., Cattaneo-Vietti, R., Cocito, S., Montefalcone, M., Morri, C., **Oprandi, A.**, Peirano, A., Bavestrello, G., 2019. Consequences of the marine climate and ecosystem shift of the 1980-90s on the Ligurian Sea biodiversity (NW Mediterranean). *The European Zoological Journal*, 86(1), 458-487.

Oprandi, A., Bianchi, C.N., Karayali, O., Morri, C., Rigo, I. Montefalcone, M. Confronto di descrittori a diversi livelli di complessità ecologica per definire lo stato di salute di *Posidonia oceanica* in Liguria. *Biol. Mar. Mediterr.* (2019) 2, 26 (1), 69-72.

Bertolino, M., **Oprandi, A.**, Santini, C., Castellano, M., Pansini, M., Boyer, M., Bavestrello, G., 2017. Hydrothermal waters enriched in silica promote the development of a sponge community in North Sulawesi (Indonesia). *The European Zoological Journal*, 84(1), 128-135.

Oprandi, A., Montefalcone, M., Musumeci, S., Morri, C., Povero, P., Bavestrello, G., Bianchi, C.N. Bioconstruction in the marine protected area of Portofino (Ligurian Sea). *Biol. Mar. Mediterr.* (2016) 23 (1), 190-193.

Oprandi, A., Montefalcone, M., Vacchi, M., Coppo, S., Diviacco, G., Morri, C., Ferrari, M., Bianchi, C.N. Combining modelling and historical data to define the status of *Posidonia oceanica* meadows. UNEP/MAP – RAC/SPA, 2014. *Proceedings of the 5th Mediterranean Symposium on Marine Vegetation* (Portorož, Slovenia, 27-28 October 2014). LANGAR H., BOUAFIF C., OUEGHI A., eds., RAC/SPA publ., Tunis: 251 p.

Oprandi, A.; Montefalcone, M; Ferrari, M; Morri, C; Bianchi, C N. Invasion of the alien green alga *Caulerpa racemosa* and phase shift within the *Posidonia oceanica* seagrass meadow of Bergeggi. *Biol. Mar. Mediterr.* (2014): 101-104.

CONFERENCES AND WORKSHOP

9-12 June 2025_54th Conference of the Italian Society of Marine Biology (S.I.B.M.)
Naples, Italy

2-5 July 2024_European Coral Reef Symposium (ECRS)



Naples, Italy

17-21 June 2024_ World Seagrass Conference & 15th International Seagrass Biology Workshop, Naples, Italy

12-15 June 2023_52th Conference of the Italian Society of Marine Biology (S.I.B.M.)
Messina, Italy.

19-23 September 2022_ Mediterranean Symposia on Marine Vegetation, Coralligenous, Dark Habitats and Non-Indigenous Species Genova, Italy.

14-17 June 2022_ 51th Online Conference of the Italian Society of Marine Biology (SIBM)

21-24 September 2021_ Technical workshop - Mediterranean Posidonia Network Formentera, Balearic Islands, Spain

10-14 June 2019_ 50th Conference of the Italian Society of Marine Biology (S.I.B.M.)
Livorno, Italia

19 – 21 October 2018_ 1st International Scuba Diving Sustainability Workshop. Reef Check Italia Galata Museo, Genova, Italia.

9 - 11 May 2018_ XIV Meeting of Young Researchers in Ecology and Aquatic Systems Science. Italian Association of Oceanology and Limnology (A.I.O.L.); Italian Society of Ecology (S.It.E.); DiSTAV (Università degli Studi di Genova) GENOVA, Italia

25 - 30 June 2017_ 10th World Sponge Conference NUI Galway, Ireland

13 – 17 June 2016_ 47th Conference of the Italian Society of Marine Biology (S.I.B.M.)
Torino, Italia

27 – 31 October 2014_ Symposia on the Conservation of Mediterranean Marine Key Habitats Portoroz, Slovenia

19 – 23 May 2014_45th Conference of the Italian Society of Marine Biology (S.I.B.M.)
Venezia, Italia

SCUBA DIVING LICENSE

2025_React right - Course combination FIRST AID, CPR, AED, O₂ (SSI)

2025_Computer Diving (SSI)

2023_ Decompression Diver (TDI)

2015_ Reef Check Tropical EcoDiver Indo-Pacific br. 683

2014_ Nitrox Diver (TDI)- br. # 575293

2013_ Specialty diver_Ocean Reef UW communications (PADI)- br. 1308EV7818



2013_ Specialty diver_Ocean Reef Integrated Mask (PADI)- br. 1308EV7817

2004_ Master Scuba Diver (NAUI)– br. # 96786

2001_ Advanced Scuba Diver (NAUI) - br. # 56620

1999_Open Water (NAUI) - br.# 18834

BOAT LICENSE

2018 Sailing and motorboat over 12 NM – license n. 118481

A handwritten signature in black ink, appearing to read "Luca Pausi". The signature is written in a cursive style with a large initial 'L' and 'P'.