

## **CURRICULUM VITAE**

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Title	Researcher
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Teaching Career	This is my first experience teaching on a full course and on my own, I previously used to support teaching with seminars and practical modules in both United Kingdom and Italy for more than 6 years now.
Teaching Activities	I am teaching “Management of Aquatic Resources: Fisheries” (Marine Sciences MSc Course) at the University of Milano Bicocca.
Other Activities	I’m a researcher (marine ecologist) at Stazione Zoologica Anton Dohrn, Dipartimento di Ecologia Marina Integrata, Sicily Marine Center and currently a Marie Skłodowska-Curie Fellow at the IMEDEA - Instituto Mediterráneo de Estudios Avanzados. I’m Co-Chair at ICES WG COMEDA on Comparative Ecosystem-based Analyses of Atlantic and Mediterranean marine systems. Term of Reference leader on “Socio-Ecological Systems” (and Invited Expert Member since 2014). I’m the supervisor of 4 PhD students and 4 MSc students. I’m Co-Principal investigator of 2 Interreg projects (two Italy-Malta projects HARMONY, and SENHAR, an Italy-Tunisia BLUEADAPT) and a FEAMP EMFF funded project (3G project). I’m a mentor of two Interreg Volunteer Youth Volunteers. I’m Review Editor for Marine Fisheries, Aquaculture and Living Resources and on the editorial board of Marine Biodiversity Records, as well board member of Conservation Evidence. I’m the local organiser of the “Pint of Science” festival. I’m a member of the Italian Society of Ecology (SitE), of the British Society of Ecology (BES) and of the 500 Women Scientists initiative.
Research Activities	As a marine ecologist, I’m strongly interested and oriented on the study of ecological responses, with the final aim to understand the effects of drivers of change - both natural and human - on the ecosystems, as for example the exploitation of marine resources (e.g. fisheries and aquaculture) specifically under a context of global change (e.g. climate change). I am mostly fascinated by the study of drivers driven patterns (measured at both species level - biological traits - and community level - taxonomic and functional diversity) focusing on the disentangling of mechanisms and processes of propagation along the ecological hierarchy. My final interest is to develop sustainable solutions to inform a proactive, adaptive and dynamic management based on the Integrated Ecosystem Approach (IEA) and on scientific evidence (evidence-based management). To inform

	<p>evidence-based management and conservation measures I mostly deploy synthesis tools (e.g. systematic review) to produce knowledge baselines, crucial to build a solid, salient and rigorous dialogue among stakeholders, the so called “science-stakeholder-policy nexus”. I believe on the importance to engage with stakeholders on the management of marine resources (bottom-up approach) as first step to keep it effective and to understand the socio-ecological systems (recently approached through specific data collection and analysis tools, both quantitative and qualitative).</p>
<p>List of 10 main Publications of the last 5 years</p>	<p>Salerno, M., Berlino, M., <b>Mangano, M. Cristina</b>, &amp; Sarà, G. (2021). Microplastics and the functional traits of fishes: a global meta-analysis. <i>Global Change Biology</i>. <a href="https://doi.org/10.1111/gcb.15570">https://doi.org/10.1111/gcb.15570</a></p> <p>Sarà, G., <b>Mangano, M. Cristina</b> et al. (2021). "The Synergistic Impacts of Anthropogenic Stressors and COVID-19 on Aquaculture: A Current Global Perspective." <i>Reviews in Fisheries Science &amp; Aquaculture</i> 1-13.</p> <p>Sarà, G., Giommi, C., Giacoletti, A., Conti, E., Mulder, C., &amp; <b>Mangano, M. Cristina</b> (2021). Multiple climate-driven cascading ecosystem effects after the loss of a foundation species. <i>Science of The Total Environment</i>, 770, 144749.</p> <p>Corbari, L., Maltese, A., Capodici, F., <b>Mangano, M. Cristina</b> et al. (2020). Indoor spectroradiometric characterization of plastic litters commonly polluting the Mediterranean Sea: toward the application of multispectral imagery. <i>Scientific Reports</i>, 10(1), 1-12.</p> <p><b>Mangano, M. Cristina</b>, et al. (2020). Moving Toward a Strategy for Addressing Climate Displacement of Marine Resources: A Proof-of-Concept. <i>Frontiers in Marine Science</i>, 2020, 7: 408.</p> <p><b>Mangano, M. Cristina</b> et al. (2019). Dynamic energy budget provides mechanistic derived quantities to implement the ecosystem based management approach. <i>Journal of Sea Research</i>, 143, 272-279.</p> <p><b>Mangano, M. Cristina</b> et al. (2019). The role of two non-indigenous serpulid tube worms in shaping artificial hard substrata communities: case study of a fish farm in the central Mediterranean Sea. <i>Aquaculture Environment Interactions</i>, 11, 41-51.</p> <p><b>Mangano, M. Cristina</b> et al. (2017). The effectiveness of fish feeding behaviour in mirroring trawling-induced patterns. <i>Marine environmental research</i>, 131: 195-204.</p> <p><b>Mangano, M. Cristina</b> et al. (2017). Collating science-based evidence to inform public opinion on the environmental effects of marine drilling platforms in the Mediterranean Sea. <i>Journal of environmental management</i>, 2017, 188: 195-202.</p> <p><b>Mangano, M. Cristina</b> et al. (2017). Monitoring of persistent organic pollutants in the polar regions: knowledge gaps &amp; gluts through evidence mapping. <i>Chemosphere</i>, 172, 37-45.</p>
<p>Scientific Expertise</p>	<p>Marine ecology, conservation, biodiversity, benthic communities, fishing disturbance, ecosystem-based approach, aquaculture, climate change, socio-ecological system, sustainability</p>