

Lorenzo Chiacchio

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CURRENT POSITION

2024 **Research fellow** c/o Department of Life and Environmental Sciences, University of Cagliari

BIO SKETCH

Born and raised in Cagliari, Sardinia, Italy, Lorenzo earned his MSc in Marine Bio-Ecology from the University of Cagliari (UniCa) in 2023.

During his BSc in Biology, Lorenzo developed a keen interest in environmental sciences, focusing particularly on the effects and pathways of microplastics pollution in remote environments, especially marine ecosystems.

Driven by curiosity, Lorenzo concentrated his research on the impact of microplastics Ingestion on highly valuable deep-sea decapod species, including *Aristaeus antennatus*, *Nephrops norvegicus*, *Aristaeomorpha foliacea*, and *Parapenaeus longirostris*. He further refined his expertise during a traineeship with the SEAAq Research Group at the Autonomous University of Barcelona (UAB), where he participated in the REGAT project, enhancing his knowledge and skills in this area.

Currently, Lorenzo is a Research Fellow at LABEM, contributing to the MEMBRANE project. His primary research focuses on the potential effects of microplastics contamination in benthic environments from a biogeochemical perspective.

Lorenzo has also contributed to the creation of two posters, which were formally accepted by the scientific commission of the international congress MICRO 2024, scheduled for September 2024.

SCIENTIFIC ACTIVITIES

SEPTEMBER 2024

Chiacchio L., Cau A., Soler-Membrives A., Follesa M.C., Carreras-Colom E.

Microplastics ingestion by deep-sea decapod crustaceans from the Western Mediterranean
MICRO 2024 – Plastic pollution From macro to nano

Redón-Morte M.A., **Chiacchio L.**, Cau A., Rodríguez-Romeu O., Soler-Membrives A.,
Carreras-Colom E.

Monitoring plastics in the Mediterranean Sea with an emerging commercial species, the
deep-water rose shrimp (*Parapenaeus longistroris*)
MICRO 2024 – Plastic pollution From macro to nano