

HOSTING GROUPS FOR INTERNATIONAL MOBILITY

Marine Macroalgae Laboratory



Research activity deals with several aspects of Ecology and Systematic of Mediterranean marine macroalgae. It mainly focuses on fitobenthic communities inhabiting sicilian coasts in order to analyse their structure, composition and health status. The main interest groups are coralline red algae (rhodolits, *Lithophyllum byssoides*) and brown algae belonging to the genus *Cystoseira sensu lato*, considered important habitat formers in the Mediterranean Sea. Research activity also concerns alien marine macrophytes (e.g. *Caulerpa*, *Asparagopsis*, *Halophila*). The research activity is based on field (sampling) and laboratory (microscope observations to identify the species) activities. The research activity is also conducted in collaboration with Researchers from other Research Institutions (e.g. University of Catania, University of Trieste, Stazione Zoologica Anton Dohrn).



Anna Maria Mannino

Selected publications:

- Mancuso, FP, Sarà, G, Mannino, AM. Conserving Marine Forests: Assessing the Effectiveness of a Marine Protected Area for *Cystoseira sensu lato* Populations in the Central Mediterranean Sea. **PLANTS**, vol. 13, p. 162. (2024) (<https://doi.org/10.3390/plants13020162>)
- Mannino, AM, Balistreri, P, Mancuso, FP, Bozzeda, F, Pinna, M. Searching for the competitive ability of the alien seagrass *Halophila stipulacea* with the autochthonous species *Cymodocea nodosa*. **NEOBIOTA**, vol. 83, p. 155-177 (2023) (doi: 10.3897/neobiota.83.99508)
- Maggio, T, Perzia, P, Pazzini, A, Campagnuolo, S, Falautano, M, Mannino, AM, Allegra, A, Castriota, L. Sneaking into a hotspot of biodiversity: coverage and integrity of a rhodolith bed in the Strait of Sicily (Central Mediterranean Sea). **J. MAR. SCI. ENG.**, vol. 10(12), p. 808 (2022) (doi:10.3390/jmse10121808)
- Tiberti, L, Iacono, G, Gambi, MC, Mannino, AM. Invasions of the nonindigenous red alga *Lophocladia lallemandii* (Montagne) F. Schmitz off the Island of Ischia (Tyrrhenian Sea, Italy). **BIOINVASIONS REC.**, vol. 10 (1), p. 91-102. (2021) (doi:10.3391/bir.2021.10.1.11)
- Mannino, AM, Balistreri, P. Invasive alien species in Mediterranean Marine Protected Areas: the Egadi Islands (Italy) case study. **BIODIVERSITY**, vol. 22(1-2), p. 13-23 (2021) (doi:10.1080/14888386.2021.1875263)