

MARINE ECOPHYSIOLOGY GROUP

EOMAR

Research group of the University Institute ECOAQUA, belonging to the University of Las Palmas de Gran Canaria.

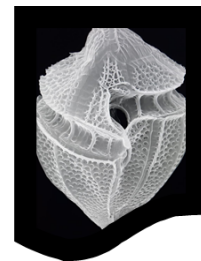
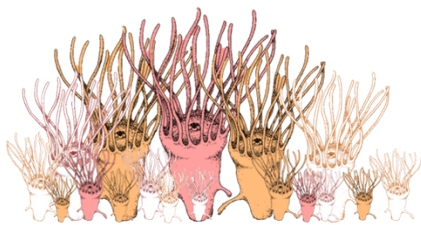
In 2008 EOMAR was founded, a research group composed of experts in various Marine Sciences fields, focused on the study of planktonic organisms from the physiological and metabolic point of view. Its aims is to try to answer several questions in the field of Oceanography, allowing a better understanding of marine ecosystems. From 2015, it expands its lines of research and begins to study microplastic pollution on beaches and marine organisms, analyzing its effect on the trophic chain. In 2020, researchers specialized in potentially harmful microalgae and scanning electron microscopy, join the team. From 2021, EOMAR has grown with the incorporation of a new researcher that has allowed us to start toxicological studies derived from plastics.

EOMAR is a research group highly committed to the study and conservation of the marine environment, as well as to the dissemination of the results obtained both at national and international congresses, and to raising public awareness in general.



Research lines

- ❑ **Marine ecophysiology:** Metabolism, respiration, ammonium excretion, growth and production in marine organisms, with emphasis on planktonic communities.
- ❑ **Enzymatic biochemistry:** Enzymatic reactions that control biochemical processes in marine organisms, and their implications in the health status of marine organisms, and ecosystems.
- ❑ **Plankton ecology and marine pollution:** Plankton self-ecology, species interactions and the effect of multiple stressors on the structure and dynamics of planktonic communities and marine ecosystems.
- ❑ **Study of microplastics and other anthropogenic stressors and their influence on food webs:** Marine pollution by microplastics and other anthropogenic stressors, investigating their effects on marine organisms and its consequences in the food chain.
- ❑ **Systematics, biogeography and ecology of marine plants:** Ecology, identification, control and mitigation of changes in marine ecosystems caused by potentially harmful microalgae and cyanobacteria. Quantification of phytoplankton and phytobenthos. Identification by molecular and microscopic techniques, both optical and scanning electron microscopy.



What does EOMAR do?

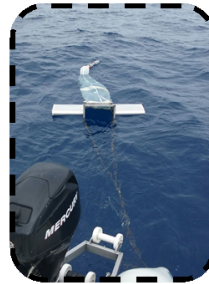
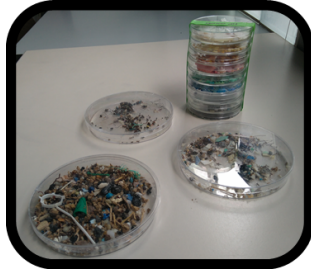


EXPERIMENTATION with cultures of marine organisms (Artemia, Misidacea, Copepods, Oxyhrris, Shrimp, etc...), and zebrafish.

FIELD SAMPLING for sample collection

OCEANOGRAPHIC CAMPAIGNS

DISSEMINATION



EOMAR is involved in many national and international projects.



For more information about EOMAR, please visit our website.

<https://www.ecoaqua.eu/es/eomar.html>

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