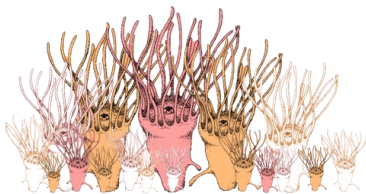


Marine Ecophysiology Group

Research group belonging to the University of Las Palmas de Gran Canaria, within IU-ECO AQUA.

MARINE ECOPHYSIOLOGY

Study of aspects related to metabolism, respiration, ammonium excretion, growth and production in marine organisms, with emphasis on planktonic communities.



ENZYMATIC BIOCHEMISTRY

Research line focused on the enzymatic reactions that control biochemical processes in marine organisms, and their implications in the health status of marine organisms, and ecosystems.



Research lines

- Marine Ecophysiology
- Enzymatic Biochemistry
- Plankton ecology
- Marine pollution
- Microalgae and climate change

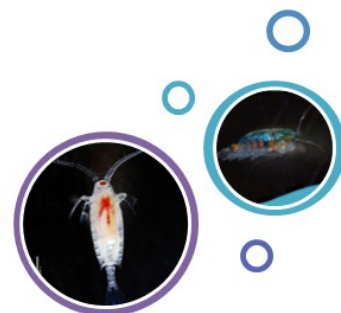
MARINE POLLUTION

Studies focused on marine pollution by microplastics, investigating their presence, characterization and toxicity, as well as their possible bioaccumulation and the transfer of their pollutants associated in the marine food web.



PLANKTON ECOLOGY

Research in plankton ecology at the individual, population and community levels. The focus is on understanding plankton self-ecology, species interactions and the ultimate effect of multiple anthropogenic stressors on the structure and dynamics of planktonic communities and marine ecosystems.



MICROALGAE AND CLIMATE CHANGE

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.



EOMAR (Marine Ecophysiology)

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“Individually, we are a drop. Together, we are an ocean” (Ryunosuke Satoro)

In 2008, EOMAR team was founded, a research group composed of researchers from various Marine Sciences fields. Focused on the study of planktonic organisms from the physiological and metabolic point of view, 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.

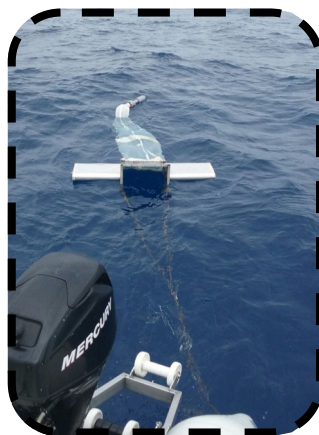
EOMAR is a research group very committed to the study and conservation of the marine environment, as well as in the dissemination of the results obtained both in national and international conferences and to raise awareness in society in general.

<https://eomar.ulpgc.es>

<https://www.facebook.com/eomarulpgc/>

¿What does EOMAR do?

- EXPERIMENTATION. Cultures of marine organisms (Artemia, Daphnia, Rotifers, Misidacea, Copepods, Oxyhrris, Shrimp, etc...), and zebrafish.
- FIELD SAMPLINGC for sample collection
- OCEANOGRAPHIC CAMPAIGNS
- DISSEMINATION



Projects

EOMAR is involved in many national (RICOMAR, Enviroplanet, PERSEO, MERMAC, ...) and international projects (IMPLAMAC, INDICIT, RESPONSE, ...).

For more information on the projects in which the group is involved, visit the website.

