

## Special Issue

# Mesozooplankton Ecology in Marine Environments

### Message from the Guest Editors

Mesozooplankton plays a vital role in marine ecology, acting as a key component of food webs and contributing to nutrient cycling in both coastal and oceanic ecosystems. Its distribution is influenced by natural and anthropogenic factors, including climate change and marine heatwaves, which can shift biodiversity and impact ecosystem functioning. Research on mesozooplankton has evolved from basic taxonomy to more complex studies of their ecological roles in food webs and biogeochemical cycles. This Special Issue explores the diversity, distribution, and ecological functions of mesozooplankton, with a focus on their responses to climate change and human impacts. Cutting-edge research now employs molecular techniques and ecosystem modeling to examine their adaptive strategies in a changing ocean. We invite original research, reviews, and data-driven studies that offer new insights into mesozooplankton ecology, focusing on their roles in marine food webs, responses to environmental stressors, and broader ecological significance.

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### Guest Editors

**Dr. Maria Protopapa**

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Grupo de Biodiversidad y Conservación (BIOCON), Instituto Universitario ECOAQUA, Universidad de Las Palmas de Gran Canaria (ULPGC), Telde, Spain

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### Deadline for manuscript submissions

1 October 2025



## Journal of Marine Science and Engineering

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## About the Journal

### Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE, ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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