

## 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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### Deadline for manuscript submissions

15 October 2026



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/238423](https://mdpi.com/si/238423)

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## About the Journal

### Message from the Editor-in-Chief

*Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312)* focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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