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.

Guest Editors

Dr. Maria Protopapa

Hellenic Centre for Marine Research, Athens, Greece

Dr. Inma Herrera

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

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Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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