

Special Issue

Diversity, Physiology and Ecology of Marine Microorganisms

Message from the Guest Editors

Marine microorganisms are fundamental drivers of oceanic ecosystems, playing critical roles in global biogeochemical cycles, food webs, and climate regulation. Despite their microscopic size, they represent a vast portion of marine biodiversity and display extraordinary metabolic and physiological versatility. Understanding the diversity, ecological functions, and physiological adaptations of marine microbes is key to predicting ecosystem responses to environmental change. This Special Issue aims to collate current research on the taxonomy, functional diversity, physiological traits, and ecological dynamics of marine microorganisms. We particularly welcome, but are not limited to, studies exploring microbial responses to environmental stressors, community interactions, and novel metabolic pathways. Expanding our knowledge of this field will not only enhance our understanding of marine ecosystems but will also inform strategies for biodiversity conservation and sustainable ocean management.

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About the Journal

Message from the Editor-in-Chief

Diversity (ISSN 1424-2818) is a scholarly journal that covers all areas of diversity research. Our distinguished editorial board and refereeing process ensures the highest degree of scientific rigor for publishing. Original research articles and timely reviews are released online, with unlimited free access.

We invite papers and reviews on multidisciplinary topics of diversity that bridge organismic diversity (systematics, biodiversity, phylogeny, population genetics, and evolution) and molecular diversity (phytochemistry and biophysics).

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