

Special Issue

Reef Ecosystems and Community Invasion Ecology

Message from the Guest Editor

Reef ecosystems, ranging from shallow tropical coral reefs to mesophotic zones, rocky reefs, and deep-sea biogenic structures, are biodiversity hotspots that provide critical ecosystem services. However, they are increasingly threatened by the combined impacts of climate change, ocean acidification, overexploitation, and pollution. These stressors are driving major shifts in community composition and enabling the spread of invasive and thermophilic species, with profound ecological, economic, and societal consequences. This Special Issue will examine the dynamics of reef ecosystems under anthropogenic stress, with emphasis on invasion ecology, community restructuring, and biogeographical change. We invite contributions that address these processes across diverse reef types and geographical regions, using approaches that range from ecological monitoring and experimental research to molecular tools, biogeochemistry, and ecosystem modeling.

We particularly welcome studies on historical baselines of reef change, cutting-edge work on adaptation and acclimatization, and applied perspectives on reef restoration, conservation strategies, and sustainable aquaculture.

Guest Editor

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Deadline for manuscript submissions

28 February 2026



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/252806

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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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