

Special Issue

Coral Reefs in a Changing World: Disturbance, Recovery, and Resilience

Message from the Guest Editors

Coral reefs are undergoing unprecedented changes due to increasing environmental and anthropogenic pressures, threatening their structure, function, and biodiversity. This Special Issue addresses the urgent need to understand how coral reef ecosystems respond to disturbances and what drives their capacity for resilience and recovery. We aim to gather multidisciplinary research exploring the ecological mechanisms behind reef resistance, degradation, and regeneration across different biogeographic regions and reef types. Building on a strong history of coral reef science, this Special Issue emphasizes integrating traditional and emerging approaches. We welcome cutting-edge research, including field studies, experiments, remote sensing, modeling, and biotechnology-based solutions that provide novel insights into reef dynamics under stress. We seek high-quality original research articles, reviews, and short but substantial communications that advance ecological understanding of reef disturbances and resilience, particularly those offering broadly applicable findings relevant to conservation and restoration efforts.

Guest Editors

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Dr. Yohan Didier Louis

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
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