Special Issue

Combining Field Observations and Satellite Remote Sensing to Monitor Marine Ecosystem Dynamics

Message from the Guest Editors

This Special Issue highlights recent advances in integrating field methods, remote sensing, and spatial modelling for marine ecosystem monitoring. This multidisciplinary approach is applicable across diverse habitats—such as coral reefs, coastal lagoons, algal beds, and intertidal zones—where consistent long-term monitoring is limited by environmental and logistical challenges. By combining field data with satellite-based observations and modelling, this framework enables scalable, repeatable ecosystem assessments that support biodiversity conservation, habitat restoration, and dynamic spatial decision-support systems. These tools are essential for guiding sustainable management and policy actions across various types of marine protected areas. We welcome contributions presenting innovative methodologies and approaches, as well as concise reviews or opinion pieces that shed light on the application of remote sensing in monitoring marine ecosystems at both local and global scales.

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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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