

Special Issue

Technical Applications and Latest Discoveries in Seafloor Mapping

Message from the Guest Editors

The proposed special issue seeks to compile and disseminate cutting-edge research and technological advancements in the field of seafloor mapping. As the demand for high-resolution seafloor data escalates, this issue will explore innovative methodologies, including the integration of multibeam echosounders, airborne laser bathymetry, satellite-derived bathymetry, machine learning, and remote sensing techniques, to enhance our understanding of marine environments.

Contributions will address recent discoveries in bathymetric prediction, sediment classification, and benthic habitat mapping, emphasizing the ecological implications and the importance of sustainable marine resource management. Furthermore, the issue will highlight the challenges faced in mapping vast and complex seafloor terrains, advocating for collaborative efforts among researchers, policymakers, and industry stakeholders to prioritize comprehensive mapping initiatives. By fostering interdisciplinary dialogue, this special issue aims to advance the scientific community's knowledge of seafloor dynamics and contribute to the effective stewardship of oceanic resources.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).