

Special Issue

Bathymetry and Seafloor Mapping

Message from the Guest Editor

This Special Issue, "*Bathymetry and Seafloor Mapping*" is dedicated to showcasing the recent advances in submarine geoscience and geospatial technology. Our aim is to collate high-quality research that harnesses novel seafloor mapping techniques, advanced bathymetric data analysis, and automated classification methods to illuminate the patterns and processes shaping the seafloor. The field is undergoing a rapid transformation driven by the integration of cutting-edge developments, including high-resolution seafloor mapping, multi-source bathymetric data fusion, seafloor topography restoration and enhancement, intelligent seafloor sediment classification, and AI-assisted autonomous target recognition. By highlighting these interdisciplinary innovations, this collection aims to advance our understanding of submarine geomorphic evolution, from dynamic coastal zones to the deepest hadal trenches. We welcome original research and comprehensive review articles that present innovative methodologies, new geomorphic insights or compelling case studies that expand the scientific frontiers of seafloor characterization.

Guest Editor

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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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