

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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Deadline for manuscript submissions

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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

Prof. Dr. Charitha Pattiaratchi

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