Special Issue

Coastal Hydrodynamics, Conservation and Restoration: Numerical Investigation, Experimental Research and Technical Application

Message from the Guest Editors

Coastal regions face growing challenges from natural processes and human activities. Understanding hydrodynamic interactions (waves, currents, tides, coastal structures) is key to designing effective protection strategies and sustainable coastal management.

This Special Issue, titled “Coastal Hydrodynamics, Conservation and Restoration: Numerical Investigation, Experimental Research and Technical Application,” collects high-quality work advancing coastal hydrodynamics knowledge and practice. It integrates computational modeling, laboratory experiments, and field applications to overview recent advancements. Its goal is to deepen understanding of coastal processes and drive innovative, resilient solutions for global coastal environment and community protection—offering new insights, methodologies, and case studies for effective coastal engineering.

We welcome studies with new methodologies, insights, or case studies (e.g., nearshore hydrodynamics numerical simulations, experimental research for model validation/engineering design, technical applications translating research to practice).

Guest Editors

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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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