Special Issue

Numerical Simulations on Tsunamis

Message from the Guest Editors

Numerical simulations are essential for predicting the effects of tsunamis to take countermeasures. Many numerical models have been developed and applied to investigate various aspects of tsunamis, such as the following: - Wave deformation and amplification during propagation over topographies; - Tsunami source estimation; - Runup on land and in rivers; - Generation triggered by various causes—a submarine earthquake, landslide, glacier collapse, submarine eruption, air pressure wave due to a volcanic eruption or weather change, etc.; - Erosion and deposition in ports and coastal areas; - Fluid–structure interaction; - Drifting of debris, ships, containers, wood, cars, etc.; - Evacuation simulation. We welcome articles on a variety of research stages, including basic research on tsunamis as water waves, calculations of historical tsunamis, and attempts to develop numerical models considering solid, liquid, and gas phases. Reviews are also welcome. We hope to collect various numerical methods, models, and calculation examples for theories, experiments, and field surveys, to use and develop them in future tsunami research.

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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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