

Special Issue

Tsunamis and Tsunami Warnings: Recent Progress and Future Prospects

Message from the Guest Editors

The ocean brings many benefits to humans, but it also has a dangerous side. One of the dangers presented by the ocean is tsunamis. Tsunami countermeasures, warning systems, and evacuation facilities need to be continuously improved. To create these and make them function effectively, it is necessary to consider the characteristics exhibited by tsunamis in various phases such as tsunami generation, propagation, attack on structures, and the transportation of sediments and debris. Various techniques are required to understand these phenomena, such as theoretical, numerical, and experimental approaches, as well as real-time observation of water level, ground displacement, land slide, volcanic activity, atmospheric pressure, etc., for forecasting and data assimilation. Furthermore, we should carry out risk management using fragility curves, supply chains, business continuity plans, etc. This Special Issue collects cutting-edge research—articles and reviews—in various fields related to tsunamis, and is intended to be of use for future research on tsunami disaster prevention and mitigation.

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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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
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