

Special Issue

Tsunami and Storm Surge Early Warning for Disaster Mitigation

Message from the Guest Editors

Tsunamis and storm surges are natural disasters that result in flooding and damage to coastal regions. Hence, a reliable early warning for tsunamis or storm surges is important for disaster mitigation. Traditionally, tsunami early warning systems are based on source inversion using seismic parameters; recently, however, several tsunami early warning methods that do not consider the seismic source have been proposed. The purpose of this Special Issue is to publish the latest research on tsunami and surge storm early warning systems. Original research articles and reviews are both welcome. Research areas may include, but are not limited to, the following:

- Tsunami-generating mechanism;
- Hurricane, typhoon, and tropical cyclone activity;
- Offshore tsunami and storm surge observations;
- Tsunami source inversion and data assimilation;
- Numerical simulation model of tsunami and storm surge;
- Coastal planning, emergency preparedness, risk assessment;
- Probability forecasts of storm surge;
- Application of deep learning in early warning systems.

We look forward to receiving your contributions.

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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