Numerical Models in Coastal Hazards and Coastal Environment

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Message from the Guest Editors

Numerical models of coastal hazards and environment are important tools for the prediction and estimation of those coastal hazards, and for the evaluation of their impacts on coastal morphodynamics, coastal lagoons and wetlands, and the coastal built-in environment.

This Special Issue seeks to compile the current state-of-the-art research related to numerical models from model developments to their applications in coastal hazards forecast and hindcast, mitigation, and in environmental impacts assessment in the above-mentioned coastal zones. Contributions are encouraged in topics including, but not limited to:

1. Numerical models in storm surge and waves, tsunami, and coastal flooding;
2. Numerical models in nearshore waves and currents, tide, and circulations;
3. Numerical models of coastal pollutions;
4. Storm surge and waves modelling due to tropical cyclones;
5. Tsunami modelling due to underwater earthquakes, volcano eruptions, and landslides;
6. Coastal hydrodynamic modelling in the above-mentioned coastal zones.

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Special Issue

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Message from the Editor-in-Chief

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