



Sustainable Mitigation and Resilience of Coastal Hazard

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Message from the Guest Editors

Dear Colleagues,

Coastal hazards pose a significant challenge to the sustainability of coastal systems. Coastal systems provide valuable ecosystem services and protection from natural disasters but are vulnerable to the impacts of coastal hazards, which can disrupt their functioning and reduce their benefits. The development of numerical models, in combination with remote sensing, allows the estimation of the current and future exposure and vulnerability of coastal systems and communities to coastal hazards and an evaluation of the effectiveness and feasibility of different resilience and mitigation options. Welcome the following topics:

- Monitoring or modelling of coastal hazards;
- Assessing the current and future risks and impacts of coastal hazards on coastal systems and communities;
- Applying remote sensing or numerical modelling methods to assess hazards and risks in coastal environments;
- Identifying and evaluating the effectiveness and feasibility of various mitigation and resilience options;
- Developing and applying indicators to measure and monitor the mitigation and resilience performance;
- Modelling the effects of coastal hazards under climate change.





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