Special Issue

Disaster Mitigation Structures for Tsunamis, Floods, and Scour Countermeasures

Message from the Guest Editor

In response to the increasing threats posed by tsunamis and floods, the geoscience community is actively engaged in devising innovative strategies to strengthen coastal regions, rivers and waterways against erosion, scour, and the potential breaching of levees. This Special Issue aims to provide valuable insights into the complex dynamics of disaster prevention or a mitigation system that is under the threat of severe erosion. This Special Issue will welcome manuscripts that link the following themes:

- The functional limitations of coastal defense systems and hybrid defense/mitigation systems under mega-tsunamis or river floods due to the destruction of structures by fluid force and/or by the local scour of substrates;
- Experimental/numerical studies on mitigating erosion around disaster prevention/mitigation structures;
- The erosion of levees composed of cohesive/non-cohesive material and levee breaching phenomena.

We look forward to receiving your original research articles and reviews.

Guest Editor

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Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger
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