Special Issue

Compound Coastal Flooding in a Changing Climate

Message from the Guest Editors

This Special Issue aims to highlight the recent progress and help define the future directions of compound coastal flooding and, in general, floods in the littoral zone. Potential topics include, but are not limited to, the following:

- Statistical methods of combined occurrence of different drivers that cause coastal floods considering the future climate.
- Data analysis.
- Numerical modelling of inundation in coastal areas.
- Analysis of relevant coastal flood impacts (e.g., beach morphodynamics, dune overwash and breaching, wave overtopping).
- Integrated flood risk and hazard analyses to facilitate decision-making during flood events and long-term coastal management.
- Real-time forecasting and Early Warning Systems.
- Analysis of case studies.

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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