



Coastal Hazards and Climate Change

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Message from the Guest Editors

Dear Colleagues,

Coastal areas are great places to live, work, and play. Climate change is already unavoidably affecting the climate–ocean system. As a consequence of climate change, global coastal communities are increasingly at risk from coastal hazards. This Special Issue focuses on the relationship between coastal hazards and climate change, aiming to promote the coastal vulnerability assessments with respect to present and predicted climate change scenarios. No geographical remit for the submissions. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

1. The changes of storm surges, wave, mean sea level, marine heatwave, and other hazards in the coastal areas;
2. The effect of climate changes on the coastal hazards;
3. The variations and changes of compound extreme events in the coastal areas;
4. Detection and attribution of changes in extremes in the coastal areas;
5. Coastal vulnerability and hazards management;
6. Assessment, adaption, and mitigation of coastal hazards;
7. Method and dataset for the coastal hazards;
8. Coastal erosion and coastline changes;
9. The projection of coastal hazards from IPCC6.





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Editor-in-Chief

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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