



Observational and Numerical Approaches in Coastal Sediment Dynamics and Hydrodynamics

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Message from the Guest Editors

Dear Colleagues,

Shoreline retreat through the loss of sediments along the coasts has become a serious problem in many countries. The reasons for erosion are both natural and/or anthropogenic. For example, sea-level rise and/or increase in the intensity/frequency of storm events due to climate change may break the equilibrium and impair the resilience in coastal cells. On the other hand, ill-designed or badly constructed coastal protection structures can cause unexpected local erosions, reducing the value of the area. Therefore, a precise understanding of such processes is essential for the prediction and prevention of disastrous results. In this Special Issue, therefore, we invite research papers devoted to enhancing the quality of observational and numerical methods to understand coastal processes in various spatial and temporal scales—including grain/turbulence scale, wave scale, event scale, and seasonal/annual scale processes.





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Message from the Editor-in-Chief

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