



Recent Advances in Coastal Sediment Dynamics and Transport

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Message from the Guest Editors

Dear Colleagues,

Transport of sediment is driving morphological change in coastal and marine environments, including coastal profile change, shoreline erosion, harbor siltation and/or scour phenomena, and formation of coastal barriers and spits. Within the past few years, significant progress has been made on topics relating to dynamics and transport of marine and coastal sediments, for example, boundary layer processes, turbulence effects on sediment mobilization, and sheet flow dynamics. At the same time, significant advances have been made with respect to both field and laboratory measurement and numerical modeling of sediment dynamics/transport. However, problems remain with upscaling the improved knowledge on small-scale hydrodynamic and sediment transport processes to further our understanding of coastal behavior and evolution on larger scales, and in the application to coastal engineering problems. In this Special Issue, therefore, we invite original scientific contributions on topics including those covered in the list of keywords.





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Message from the Editor-in-Chief

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