Special Issue

Recent Advances in Coastal Sediment Dynamics and Transport

Message from the Guest Editors

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.

Guest Editors

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Message from the Editor-in-Chief

The Journal of Marine Science and Engineering (JMSE, ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

Editor-in-Chief

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