Special Issue

Delta Coastal Morphodynamic Systems in Response to Climate Change on Decade-to-Century Time Scales

Message from the Guest Editor

In the context of climate change, how delta coastal systems will evolve in the future remains a challenging and important issue for delta restoration. Furthermore, the reduction of riverine sediment supply from catchments may amplify the impact of the relative sea-level rises or storms on the geomorphic systems. Delta coastal systems as three-dimensional regimes appear to be much more complex than sandy open coast systems, as they are usually affected by the riverine sediment supply and river mouth processes, which are modified by marine processes including density gradient driven by saline water intrusion. Additionally, recent studies suggest that sediment cohesion, vegetation and other biophysical processes can also influence the delta evolutionary pathway.

This Special Issue invites contributions dealing with coastline changes, morphological and sedimentological evolution, sediment dynamics, and the associated biological and ecological changes in delta coastal systems.

Guest Editor

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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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