



Coastal Engineering and Sustainability

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Message from the Guest Editors

Dear Colleagues,

To assess and adapt the impact of climate changes on coastal areas is one of the severe challenges in the 21st century. Risk assessments of coastal flooding hazards should be carried out to identify the role of different hazard sources and to enhance coastal resilience. Since everything in the natural world is connected, existing coastal engineering may need to be revisited and incorporate the influence as well as the response of the ecosystem, so as to maintain and improve the quality of life from economic, environmental and social viewpoints. Increased demand for energy and water resources will bring new instabilities. Perspectives on renewable energy and water recycling innovations and technologies are indeed of great importance. Continuous growth in the populations of coastal regions along with climate change and the desire for key resources indicate the need to advance the utilization and management of coastal areas.

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