Special Issue

Erosion and Sediment Transport Processes in Coastal Waters

Message from the Guest Editors

Understanding coastal processes is of great interest and importance because it involves ecosystemic and socioeconomic aspects concerning sustainable development, the environment and populations.

Coastal erosion represents a global issue that involves all countries of the World, and in the last 50 years, the technical and scientific community have developed and implemented hydromorphological numerical models that are increasingly sophisticated, and coastal engineering works and action strategies aimed at erosion risk prevention and mitigation. However, shore protection projects concerning coastal armoring, beach stabilization and nourishments have not always been effective in reducing erosion phenomena, thus resulting in a waste of resources.

This issue assumes particular relevance considering the climate change effects that, in the next 50–100 years, will likely produce a global sea-level rise and a variation in wave climate as well as in the frequency, intensities and durations of sea storms, thereby increasing flooding in low-lying coastal areas affected by erosion risk.

Guest Editors

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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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