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Coastal Systems Research: Environments, Geomorphology and Sedimentary Processes

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Deadline for manuscript submissions:

closed (1 April 2023)

Message from the Guest Editors

The main focus of this Special Issue is to provide an overview of recent advances in research on coastal systems composed of different morphological types and environments (i.e., barriers, dunes, lagoons, deltas and estuaries).

During the last century, many coastal areas have experienced high anthropogenic pressure, leading to changes in the sedimentary budget and general loss of resilience which can trigger erosion of beaches, as well as the loss of dunes and wetlands. The consequences of these changes are the reduction of the capacity of coastal systems to protect coastal areas from extreme events and the loss of habitats. These processes will be further accelerated in the coming decades by the rise in sea level due to global climate change, which will involve the retreat and reorganization of coastal systems.

In this Special Issue, we welcome studies dealing with, but not limited to, the following topics: the functioning of coastal systems, including coastal morphodynamics, sediment budgets, bio-geomorphology and coastal management applications.

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Message from the Editor-in-Chief

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.

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