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Coastal and Continental Shelf Dynamics in a Changing Climate

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Message from the Guest Editors

The research on coastal areas and shelf seas has to be increasingly focused on producing data and information to promote a science-based understanding of the changes in these environments with their consequences and to enable realistic assessments of the potential benefits and risks of human activities. Hence, the ambition of this Special Issue is to draw the attention of all environmental scientists in order to fill significant knowledge gaps related to pressures, impacts and trends in coastal areas and shelf seas, configured by the climate change and increased human presence.

1. Changes in hydrodynamics and sediment dynamics in relation (for example) to the impacts of sea level rise and modified storm intensities, coastal defence measures, dredging operations, offshore constructions, long-term coastal evolution and interactions of shelf seas with the ocean.
2. Anthropogenic impacts on shelf water's biogeochemical cycles derived, for example, from changes in agriculture practices, dam operations, urban and industrial sewages, etc.
3. Biological changes (e.g., benthic biodiversity, food webs under the influence of new invasive species and climate change).



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Special Issue



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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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