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Coastal Deposits: Environmental Implications, Mathematical Modeling and Technological Development

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closed (31 August 2020)

Message from the Guest Editors

The understanding of coastal environments is reaching high importance, as the use of the coastline has been predominant in the last decades. Anthropogenic impact is progressively deteriorating these settings due chiefly to building and infrastructure construction. To protect the coast, an extensive knowledge of how nature interacts with the human processes is more and more necessary.

This Special Issue aims to collect high-quality, innovative research papers dealing with many scientific aspects regarding the coast, including sedimentation, 3D-architecture, facies distribution, and related processes, mathematical modeling and innovative techniques in the study and preservation of the coastline.

Another aspect of interest is coastal monitoring through a series of techniques including coastal watch camera installations, web-cameras, remote sensing (SAR, LANDSAT, Sentinel images), air-borne LIDAR, and UAV (unmanned aerial vehicle) data, amongst others.

- Coastal environments
- Coastal erosion/sedimentation
- Remote sensing
- Coastal watch techniques
- Coastal protection and implications
- Mathematical models
- Coastal management
- Coastal monitoring techniques and tools

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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