



Vulnerability and Erosion in Coastal Systems in the Context of Global Change

Guest Editors:

Prof. Dr. Augusto Pérez-Alberti

Departamento de Edafoloxía e
Química Agrícola, Facultade de
Biología, Universidade de
Santiago de Compostela, 15782
Galicia, Spain

Dr. Alejandro Gomez Pazo

Department of Geography,
University of Santiago de
Compostela, Santiago de
Compostela, Spain

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

This Special Issue aims to deepen the current knowledge, analyzing coastal dynamics in different scales. In this sense, two main study lines are proposed. On one hand, the vulnerability analysis, in relation to the global change in coastal environments; on the other hand, an analysis about the coastal variations, including studies on past evolution, just like the projections about the predictable changes in the future.

Coastal vulnerability analysis using diverse methods

- Extreme events and their consequences in low coasts (storms, cyclones, etc.)
- Modelling about the future scenarios in the coastal systems
- Impact of sea level rise in the coastal ecosystems
- Monitoring the coastal evolution using new technologies

Analysis of coastal variations and prediction of their behavior

- Cliff dynamics in the present
- Erosion process in high latitudes in relation to the permafrost and glacial melting, beach and dunes, coral reefs and mangroves
- Effects of the global change in rocky coasts
- Erosion processes in Modifications in coastal ecosystems related to the global change





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)