Special Issue

The Dynamics of Sedimentary Processes in Coastal Areas

Message from the Guest Editor

Coastal areas are highly sensitive geological zones whose modification is a function of several geological processes. In this Special Issue, we acknowledge papers discussing the dynamics of sedimentary processes in coastal areas and adjacent offshore, focusing on both low sandy coasts and high coastal cliffs using different techniques and methods, including geological survey, sedimentology and seismic stratigraphy. Continental platform studies are also suitable. GIS and LIDAR studies are also mentioned to study the continuous modification of the shorelines. The regional controls on the sedimentary processes in the coastal areas are long-term geological processes, with a strong influence on controlling the short-term dynamics. As sea levels rise or fall, the geomorphology of coastal areas will further evolve, varying the boundary conditions of other coastal processes: circulation, waves, tides and the storage of sediment on flood plains. Other important control factors are climate, controlling coastal destabilization and beach erosion, the global flux of sediments, and human development, particularly during the Holocene and the Anthropocene.

Guest Editor

Dr. Gemma Aiello

CNR ISMAR Sezione Secondaria di Napoli, Napoli, Italy

Deadline for manuscript submissions

closed (1 June 2023)

Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 5.1

mdpi.com/si/148881

Geosciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
geosciences@mdpi.com

mdpi.com/journal/geosciences

Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 5.1

mdpi.com/journal/geosciences

About the Journal

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger
Alaska Center for Energy and Power, University of Alaska Fairbanks, Fairbanks, AK, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.

Journal Rank:

CiteScore - Q1 (General Earth and Planetary Sciences)