Special Issue

Geomorphological and Sedimentological Imprints of Storm Events

Message from the Guest Editor

Modern societies strongly rely on the coastal fringe as a demographic and economic powerhouse. In areas with low frequency of major storms (e.g., Atlantic coast of Europe), the accurate estimation of coastal risk requires high-resolution geological analysis that can contribute to the definition of wave physical parameters, run-up, number of inundation phases, inundation routes and inland limit, and to the quantification of sediment volume transported inland and offshore. The objective of this Special Issue is: (a) to gather more comprehensive information from the sedimentological record to recreate past storm events affecting the Atlantic shores; (b) to model the hydrodynamic and morphodynamic changes caused by storm events; (c) and, lastly to produce an output which is beneficial to society by recreating inundation scenarios that can support coastal management. We invite geoscientists working on these topics to submit their work to this *Geosciences* Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2020)

Geosciences

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 5.1

mdpi.com/si/33081

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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
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