



Geomorphological and Sedimentological Imprints of Storm Events

Guest Editor:

Prof. Dr. Pedro J.M. Costa

Departamento de Ciências da
Terra, Universidade de Coimbra,
Rua Sílvio Lima, Univ. Coimbra -
Pólo II, 3030-790 Coimbra,
Portugal

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Message from the Guest Editor

Dear Colleagues,

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.





Editor-in-Chief

Prof. Dr. Jesus Martinez-Frias

Instituto de Geociencias, IGEO
(CSIC-UCM), C/ Del Doctor Severo
Ochoa 7, Edificio
Entrepabellones 7 y 8, 28040
Madrid, Spain

Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based 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.

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Geosciences Editorial Office
MDPI, St. Alban-Anlage 66
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