



Advanced Research in Coastal Morphodynamics

Guest Editors:

Dr. Jun Cheng

School of Environmental and
Sustainability Science, Kean
University, Union Township, NJ,
USA

Dr. Felix Jose

Department of Marine & Earth
Sciences, Florida Gulf Coast
University, Fort Myers, FL 33965,
USA

Deadline for manuscript
submissions:

closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Coastal geomorphology and its natural evolution have been subjected to more intense interruptions due to global climate change and human activities. Within the past decade, significant advancements have been made in collecting field data thanks to highly versatile and coast-effective observational equipment and collection methodologies. Recent advances in numerical modelling of beach and barrier island morphodynamics have improved our understanding on the geomorphologic evolution of coasts in response to high energy storms and climate change. In order to provide a suitable forum to bridge the gaps in different scales, this Special Issue is devoted to collecting project-scale (10s of kilometers) coastal morphodynamic studies from field observations and/or numerical modelling. Large-scale laboratory experiments with direct links to project-scale coastal morphodynamics issues are also welcomed. We are particularly interested in studies that address the impact of hurricane/tropical storms and climate change on the geomorphologic evolution of beaches and barrier islands.





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.

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*)

Contact Us

Geosciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/geosciences
geosciences@mdpi.com
[X@Geosciences_OA](#)