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Interaction between Physical and Biological Processes in Shallow-Sea Environments: Present vs Past Case Studies

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Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

This Issue aims to highlight the complex interplay among biological and physical dynamics which concur in controlling the development of shallow marine systems, as well as their potential flourishing or demise. Shallow-sea environments typically show variable hydrodynamic and biological factors which interact at various scales of time and space, influencing or driving the arrangement of ancient marine deposits. At present, the global warming effects and the direct human impacts are concentrated along coastal areas, causing multiple stresses (sea-level rise, increase of extreme events, potential acidification, pollution, exploitation of marine biological resources) and inducing sudden changes in the littoral biological and sedimentary systems.

Contributions by clastic and carbonate sedimentologists, ecologists, and biogeoscientists that focus on these complex dynamics are the most welcome for this Issue. Studies on ancient shallow-sea successions, present-day examples, and numerical-analogical approaches are encouraged, as are interdisciplinary contributions.

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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.

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