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Sedimentology, Stratigraphy, and Diagenesis of Shallow-Water Carbonate Systems

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Deadline for manuscript submissions:
closed (20 April 2024)

Message from the Guest Editors

Dear Colleagues,

More than any other type of rock, carbonates represent the best archive of marine biotic and environmental conditions through time. In particular, fossil shallow-water carbonate systems allow for gathering a wealth of information on marine ecosystems and their evolution throughout the Phanerozoic. Those systems, known as life-blooming areas, result from the accumulation on the sea floor of various organisms' shells and skeletons, whose genus, size, shape, abundance, lifestyle, etc., vary through geological times.

This Special Issue aims to highlight the importance of carbonate rocks in the geological record by gathering original research on shallow-water carbonate systems within a wide range of topics and geological periods. Multidisciplinary contributions and research involving the application of novel techniques on carbonates (U-Pb dating, REE, etc.) are warmly welcomed.

Encouraged topics related to shallow-water carbonate are (but are not limited to): sedimentology, geochemistry, diagenesis, paleontology, stratigraphy, paleoecology, paleogeography, etc.

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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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