



Quaternary Sedimentary Successions II

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Deadline for manuscript
submissions:

closed (15 May 2022)

Message from the Guest Editor

Dear Colleagues,

Quaternary is the most recent period in the history of Earth. It is characterized by a general decrease in temperature and the inception of strong climatic oscillations, as well as the diffusion of hominids.

All these factors have affected the production, transport, and deposition of sediments, leaving recognizable marks within sedimentary successions deposited either in continental settings and particularly in lakes or marine settings. These sedimentary successions hold precious information that can be used not only to reconstruct the evolution of past sedimentary basins but also to decipher and enlighten worldwide climatic changes and their dynamics, as well as to locate abrupt depositional events produced by regional or local geological causes.

Traditional field collection and remote acquisition of data and facies analysis are now more and more often combined with high-resolution sequence stratigraphy and multidisciplinary approaches employing geobiological data from fossil groups that can be used as geological archives, geochemical data from particular isotopes, and new geophysical and informatics tools for modeling and optimization.





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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 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.

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