

Special Issue

Quaternary Sedimentary Successions

Message from the Guest Editor

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 in 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 and to locate abrupt depositional events produced by regional or local geological causes. Traditional field collection and remote acquisition of data as well as 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 optimisation.

Guest Editor

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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.

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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