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Quaternary Loess Deposition and Climate Change

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Deadline for manuscript submissions:
closed (31 August 2021)

Message from the Guest Editor

The current climate change is not unique to Earth's history. Over millions of years, countless climate changes have taken place, and one of the best-investigated climate changes is the study of glacial and interglacial, and stadial and interstadial cycles in the Pleistocene. Numerous marine records demonstrate these rapid changes, but so far, land records that can be interpreted globally have not been established. The purpose of this Special Issue is to summarize the terrestrial loess–paleosol records examined by a variety of methods in an overview, monograph-like Special Issue.

We welcome you to submit a paper to the Special Issue, "Quaternary Loess Deposition and Climate Change". This Issue seeks to investigate the interactions between the loess–paleosol deposits and the global, regional, and local climatic impacts using paleoenvironmental, paleoclimatic sedimentological, archaeological, geochemical, and malacological approaches. This Issue is open to all periods and regions.

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Editor-in-Chief

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Message from the Editor-in-Chief

We live in a Quaternary world, that is, a world shaped by the interplay of the different compartments of the earth system—lithosphere, hydrosphere, atmosphere, biosphere, cryosphere—during the last ~2.6 million years. It is not possible to understand the current world—and, hence, to anticipate its possible future developments—without knowing the Quaternary history of drivers, processes, and mechanisms that have generated it. Our own species is an evolutionary outcome of the Quaternary performance. Therefore, the journal *Quaternary* is born with the aim of being an integrative journal to encompass all aspects of Quaternary science focused on understanding the complex world in which we live and to provide a sound scientific basis to anticipate possible future trends and inform environmental policies.

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