# Special Issue

# The Changing Biogeography of the Quaternary: From Glaciations to Interglacials

### Message from the Guest Editor

This issue aims to provide an up-to-date overview of the paleobiogeographic evolution during the Pleistocene Glacial cycles, which had a profound impact on modern biogeography, biodiversity, and species evolution. The understanding of evolutionary and paleobiogeographic processes triggered by Pleistocene Glacials and Interglacials is crucial in comprehending the origins of modern biodiversity, biogeographic refugia, as well as the factors that have shaped the current animal and vegetal world. This knowledge is essential in revealing the factors that define the fragility of some modern ecosystems and endangered species. By correctly understanding the biogeographic transformations in the geologically not-so-remote past and the origin of modern biodiversity, we can gain valuable insights into biogeographic changes under the current climate shifts. This understanding will further contribute to developing necessary measures and the most adapted strategies for biodiversity preservation. This Special Issue will give readers a deeper understanding of the paleobiogeographic evolution during the Quaternary, and its relevance to modern biogeography, biodiversity, and conservation.

### Guest Editor

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### Deadline for manuscript submissions

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# About the Journal

## 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.

## Editor-in-Chief

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