

## Special Issue

# Recent Advances in Multi-Proxy Analysis of Quaternary Sediments for Deciphering Climate Oscillations

### Message from the Guest Editors

Understanding Quaternary climate oscillations requires multi-proxy sedimentary records (e.g., loess, ice cores, lacustrine, peat, marine, speleothem) across multiple timescales. Recent advances in combining geochemical, sedimentological, biological, and magnetic proxies have greatly improved reconstructions of climate dynamics. This Special Issue invites cutting-edge research using multi-proxy analyses of Quaternary sediments to unravel spatio-temporal climate variability. We especially welcome contributions on:

- Novel proxy calibration and data integration methods
- High-resolution reconstructions of decadal- to orbital-scale oscillations
- Quantitative constraints on atmosphere–hydroclimate–ocean interactions

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### Guest Editors

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### Deadline for manuscript submissions

31 January 2027



## Quaternary

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## About the Journal

### Message from the Editorial Board

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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### Editors-in-Chief

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