



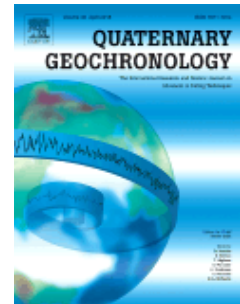
# QUATERNARY GEOCHRONOLOGY

The International Research and Review Journal on Advances in Quaternary Dating Techniques

## AUTHOR INFORMATION PACK

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### DESCRIPTION

*Quaternary Geochronology* is an international journal devoted to the publication of the highest-quality, peer-reviewed articles on all aspects of **dating methods** applicable to the **Quaternary Period** - the last 2.6 million years of Earth history. Reliable ages are fundamental to place changes in climates, landscapes, flora and fauna - including the evolution and ecological impact of humans - in their correct **temporal sequence**, and to understand the tempo and mode of geological and biological processes. There is growing scientific appreciation of the complexity of the Quaternary Period. This has increased the demand on **geochronological techniques** to deliver increasingly more accurate and precise ages, which underpin attempts to determine the causes and consequences of events at a variety of temporal and spatial scales.

Some **Quaternary dating methods** are well established, while others are in the early stages of development. *Quaternary Geochronology* will provide a readily accessible platform to rapidly communicate the latest developments and applications in these emerging fields, as well as improvements made to more traditional methods of **age determination**. New technological capabilities are providing a greater understanding of the underlying principles of age estimation and are stimulating innovative applications. *Quaternary Geochronology* will report the latest insights and discoveries to an inter-disciplinary audience concerned with events in the Quaternary Period.

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- Principles of geochronological methods
- Advances in methodology, analytical procedures and instrumentation
- Methodological standardisations and inter-laboratory comparisons
- Calibrations and comparisons of different methods
- Novel and groundbreaking applications in all fields of Quaternary research

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- Integrated and inter-disciplinary applications of geochronological data
- Provocative and topical papers of immediate interest to a wide audience

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- Original research papers and case studies
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- Viewpoint articles

- Letters to the [Editors](#) (including comments on papers published in Quaternary Geochronology)
- Book reviews

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### **INTRODUCTION**

*Quaternary Geochronology* is an international journal devoted to the publication of the highest-quality, peer-reviewed articles on all aspects of dating methods applicable to the Quaternary Period - the last 2.6 million years of Earth history. Reliable ages are fundamental to place changes in climates, landscapes, flora and fauna - including the evolution and ecological impact of humans - in their correct temporal sequence, and to understand the tempo and mode of geological and biological processes. There is growing scientific appreciation of the complexity of the Quaternary Period. This has increased the demand on geochronological techniques to deliver increasingly more accurate and precise ages, which underpin attempts to determine the causes and consequences of events at a variety of temporal and spatial scales. Some Quaternary dating methods are well established, while others are in the early stages of development. *Quaternary Geochronology* will provide a readily accessible platform to rapidly communicate the latest developments and applications in these emerging fields, as well as improvements made to more traditional methods of age determination. New technological capabilities are providing a greater understanding of the underlying principles of age estimation and are stimulating innovative applications. *Quaternary Geochronology* will report the latest insights and discoveries to an inter-disciplinary audience concerned with events in the Quaternary Period.

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