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.

*Quaternary Geochronology* will publish research in the following areas:
- 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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INTRODUCTION

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