DESCRIPTION

*Precambrian Research* publishes studies on all aspects of the early stages of the composition, structure and evolution of the Earth and its planetary neighbours. With a focus on process-oriented and comparative studies, it covers, but is not restricted to, subjects such as:

1. Chemical, biological, biochemical and cosmochemical evolution; the *origin of life*; the evolution of the oceans and atmosphere; the *early fossil record*; palaeobiology;
2. Geochronology and isotope and elemental geochemistry;
3. Precambrian mineral deposits;
4. Geophysical aspects of the early Earth and Precambrian terrains;

In addition, the editors particularly welcome integrated process-oriented studies that involve a combination of the above fields and comparative studies that demonstrate the effect of Precambrian evolution on *Phanerozoic earth system processes*.

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All Earth Scientists.

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(Precambrian) tectonics; structure and evolution of continental crust; thermochronology and exhumation processes; radiogenic isotopes (U-Th-Pb geochronology, Ar, AFT, Sm-Nd, Hf, etc); igneous geochemistry.
Wilson Teixeira, University of Sao Paulo, Sao Paulo, Brazil
Geochronology and isotope geochemistry (U-Th-Pb, Ar-Ar, AFT, Rb-Sr, Sm-Nd, Lu-Hf); Precambrian crustal evolution; Orogenic processes; Supercontinent cycles; Large igneous provinces; Precambrian Geology of South America
Frances Westall, Centre for Molecular Biophysics, Orleans, France
Precambrian palaeontology, Hadean/Archaean environment, sedimentology, geobiology, biogeochemistry, astrobiology, planetary geology, SEM/TEM, XANES, PIXE, Raman, ToF-SIMS.
Guochun Zhao, University of Hong Kong, Hong Kong, China
Metamorphic geology; geochronology; Precambrian crustal evolution; accretionary and collisional orogenesis; reconstructions of supercontinents in Earth’s history; Precambrian geology of China.

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INTRODUCTION

_Precambrian Research_ publishes studies on all aspects of the early stages of the composition, structure and evolution of the Earth and its planetary neighbours. It covers, but is not restricted to, subjects such as:

1. Chemical, biological, biochemical and cosmochemical evolution; the origin of life; the evolution of the oceans and atmosphere; the early fossil record; palaeobiology;
2. Geochronology and isotope and elemental geochemistry;
3. Precambrian mineral deposits;
4. Geophysical aspects of the early Earth and Precambrian terrains;
5. Nature and evolution of the Precambrian lithosphere and mantle including magmatic, depositional, metamorphic and tectonic processes. In addition, the editors particularly welcome integrated process-oriented studies that involve a combination of the above fields and comparative studies that demonstrate the effect of Precambrian evolution on Phanerozoic earth system processes.

Editor Specialities

**Victoria Pease:** Precambrian tectonics; structure and evolution of continental crust; thermochronology and exhumation processes; radiogenic isotopes (U-Th-Pb geochronology, Ar, AFT, Sm-Nd, Hf, etc); igneous geochemistry.

**Wilson Teixeira:** Geochronology and isotope geochemistry (U-Th-Pb, Ar-Ar, AFT, Rb-Sr, Sm-Nd, Lu-Hf); Precambrian crustal evolution; Orogenic processes; Supercontinent cycles; Large igneous provinces; Precambrian Geology of South America

**Guochun Zhao:** Metamorphic geology; geochronology; Precambrian crustal evolution; accretionary and collisional orogenesis; reconstructions of supercontinents in Earth's history; Precambrian geology of China

**Frances Westall:** Early Earth geology; Early life; Comparative planetology (especially Mars); Geobiology; Origins of life.

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Citations may be made directly (or parenthetically). Groups of references can be listed either first alphabetically, then chronologically, or vice versa.

Examples: 'as demonstrated (Allan, 2000a, 2000b, 1999; Allan and Jones, 1999).... Or, as demonstrated (Jones, 1999; Allan, 2000)... Kramer et al. (2010) have recently shown ...'

List: References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication.

Examples:

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Reference to a journal publication with an article number:

Reference to a book:

Reference to a chapter in an edited book:

Reference to a website:

Reference to a dataset:

Journal abbreviations source

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