

## Special Issue

# Application of Foraminifera in Biochronology

### Message from the Guest Editors

Planktonic foraminifera, a ubiquitous group of marine zooplankton, are an ideal archive that provide the chronological control useful for reconstructing geological events and climatic and environmental history. Many researches have used bioevents, changes in coiling direction, and acme and paracme intervals integrated with other microfossils biostratigraphies, magnetostratigraphy, cyclostratigraphy, isotope stratigraphy, and radiometric dating analyses to improve time resolution. However, additional biostratigraphical and biochronological studies are necessary to reduce the uncertainty about some bioevents and increase the accuracy and precision of the geological time scale. The use of different approaches and new methods can resolve this problem and open new frontiers. The aim of this Special Issue is to provide an overview of the application of planktonic foraminifera in biochronology across a variety of palaeogeographical settings and timescales. We also encourage contributions outlining the application of new techniques that provide important information on this topic.

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### Guest Editors

Dr. Lucilla Capotondi

Dr. Maria Rose Petrizzo

Dr. Angela Cloke-Hayes

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### Deadline for manuscript submissions

closed (15 October 2021)



## Geosciences

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## About the Journal

### Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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### Editor-in-Chief

Prof. Dr. John C. Eichelberger

Alaska Center for Energy and Power, University of Alaska Fairbanks,  
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