



Application of Foraminifera in Biochronology

Guest Editors:

Dr. Lucilla Capotondi

Istituto di Scienze Marine –
Consiglio Nazionale delle
Ricerche, Via Gobetti 101, 40129
Bologna, Italy

Dr. Maria Rose Petrizzo

University of Milan – Università
degli Studi di Milano via
Mangiagalli 34, 20133 Milano,
Italy

Dr. Angela Cloke-Hayes

Department of Geography, Mary
Immaculate College, Limerick,
Ireland

Deadline for manuscript
submissions:

closed (15 October 2021)

Message from the Guest Editors

Dear Colleagues,

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jesus Martinez-Frias

Instituto de Geociencias, IGEO
(CSIC-UCM), C/ Del Doctor Severo
Ochoa 7, Edificio
Entrepabellones 7 y 8, 28040
Madrid, Spain

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, ESCI (Web of Science), GeoRef, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (General Earth and Planetary Sciences)

Contact Us

Geosciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/geosciences
geosciences@mdpi.com
[X@Geosciences_OA](https://twitter.com/Geosciences_OA)