

## Special Issue

# Zircon U-Pb Geochronology Applied to Tectonics and Ore Deposits

### Message from the Guest Editors

This Special Issue presents a comprehensive collection of research articles that highlight the significance of zircon U-Pb geochronology in unraveling the mysteries of tectonic processes. The articles within this Special Issue explore the diverse applications of zircon U-Pb dating, including the determination of ages for magmatic events, metamorphic processes, and sedimentary deposition. By analyzing the isotopic composition of zircons, researchers can accurately date these geological events, providing valuable insights into the geological history of different regions. The papers presented in this Special Issue aim to showcase the wide range of tectonic settings where zircon U-Pb geochronology has been applied, such as mountain building processes, plate tectonics, and crustal growth. The studies contained within this collection also emphasize the integration of zircon U-Pb dating with other analytical techniques, such as geochemistry and geophysics, to enhance our understanding of tectonic phenomena.

### Guest Editors

Prof. Dr. Khin Zaw

Dr. Charles Makoundi

Dr. Jillian Aira S. Gabo-Ratio

### Deadline for manuscript submissions

closed (31 May 2025)



## Geosciences

an Open Access Journal  
by MDPI

Impact Factor 2.1  
CiteScore 5.1



[mdpi.com/si/196859](https://mdpi.com/si/196859)

*Geosciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[geosciences@mdpi.com](mailto:geosciences@mdpi.com)

[mdpi.com/journal/  
geosciences](https://mdpi.com/journal/geosciences)





# Geosciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.1  
CiteScore 5.1



[mdpi.com/journal/  
geosciences](https://mdpi.com/journal/geosciences)



## 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.

---

### Editor-in-Chief

Prof. Dr. John C. Eichelberger

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

---

### 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:

CiteScore - Q1 (General Earth and Planetary Sciences)