

## Special Issue

# Application of Speleothems in Paleoclimate and Paleoenvironmental Reconstruction

### Message from the Guest Editor

Stalagmites are one of the most common types of speleothems, which are secondary carbonate deposits in limestone caves. Geochemical signals stored in stalagmites, such as stable oxygen and carbon isotopes, and major and trace elements, can be highly resolved, yielding high temporal scale resolution records to assess seasonal climate variations in the past with great detail. Physical aspects in stalagmites have additionally helped refine paleoclimate and paleoenvironment interpretation, making stalagmites one of the most robust geological archives in this discipline. This Special Issue invites contributions from a broad range of disciplines that use stalagmites to understand how climate has changed in the past. Such applications can be extended to understand landscape evolution and human adaptation to severe climate change. This Special Issue also welcomes new and novel methods that advance the speleothem sciences to understand the present and the past and the future climate. The applications range from understanding the local environment (using monitoring approach) to reconstructing regional climate, and may expand further to global implications.

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 December 2020)



## 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

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