

## Special Issue

# New Insights in Soil Quality and Management in Karst Ecosystem

### Message from the Guest Editors

Karst landforms typically develop on carbonate rocks and are widely distributed on the Earth's surface, covering > 22 million km<sup>2</sup> and affecting the life of 1.8 billion people worldwide. Except for climate factors and management practices, soil quality is considered to be key factor affecting crop productivity. Soil developed from carbonate rocks in karst region is characterized by large spatial heterogeneity, thin layer, high pH, calcium and magnesium contents, etc. These factors determine that the utilization of soil resources is extremely fragile in karst region. Within this special issue, we welcome the submission including original research and reviews, which can provide the new insights to assess soil quality and management across a wide range of land uses and land management systems in karst ecosystems. It includes case studies from karst ecosystems and the contributions may include, but are not limited to, the following topics:

- Land-use effects on soil quality
- The managements for increasing nutrient use efficiency
- The assessment and monitoring method of soil quality
- The difference in soil quality among karst landforms

---

### Guest Editors

Prof. Dr. Tongbin Zhu

Karst Geology Institute, Chinese Academy of Geological Sciences, Guilin 541004, China

Dr. Hui Yang

Institute of Karst Geology, CAGS, Karst Dynamics Laboratory, MLR and Guangxi, Guilin 541004, China

---

### Deadline for manuscript submissions

closed (30 April 2023)



## Land

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 5.9



[mdpi.com/si/118603](https://mdpi.com/si/118603)

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

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





# Land

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 5.9



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



## About the Journal

### Message from the Editor-in-Chief

*Land* is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant Impact Factor, and has a goal to become the best journal in land in the coming years.

---

### Editor-in-Chief

Prof. Dr. Christine Fürst  
Department Sustainable Landscape Development, Institute for  
Geosciences and Geography, University of Halle, Halle, Germany

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, SSCI (Web of Science), GEOBASE, PubAg, AGRIS, GeoRef, RePEc, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Nature and Landscape Conservation)