

## Special Issue

# Influence of Urbanization-Related Radical Land Modification on Urban Extreme Climate

### Message from the Guest Editors

Studies of urbanization effect on extreme-high-temperature and short-duration intense precipitation in urban areas have recently attracted more and more attention, especially in rapidly developing regions of the world. This kind of study is essential to ensure the scientific advance of traditional urban climatology and emerging urban climate change research, as well as the monitoring and research of large-scale extreme climate change. Currently, large-scale land use and cover change may also have an influence on extreme climate events, but there are much fewer studies on this, and the observed evidence is insufficient compared to the more local urbanization effect. We welcome manuscripts from a range of disciplines (including atmospheric science, climatology, urban climatology, geography, hydrology, urban science, climate change science, boundary meteorology and remote sensing) that use a variety of methods and approaches. Interdisciplinary papers and review articles, as well as studies conducted in rapidly developing countries and regions, are particularly encouraged.

---

### Guest Editors

Prof. Dr. Guoyu Ren

1. Department of Atmospheric Sciences, School of Environmental Studies, China University of Geosciences, Wuhan 430074, China

2. National Climate Center, China Meteorological Administration, Beijing 100081, China

Prof. Dr. Yali Luo

School of Atmospheric Sciences, Nanjing University of Information Science & Technology (NUIST), Nanjing 210044, China

---

### Deadline for manuscript submissions

closed (31 October 2023)



Land

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 5.9



[mdpi.com/si/121502](https://mdpi.com/si/121502)

*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)