

Special Issue

Spatial-Temporal Analysis of Climate Variation, Natural Hazard and Land Cover Change Due to Urbanization or Urban Agglomeration Processes

Message from the Guest Editors

Due to human activities, particularly the process of urbanization and urban agglomeration, significant transformations have taken place regarding land cover and climate variation. Although these alterations simplify our lives, they also generate extreme rainfall and drought, greenhouse gas emissions and natural disasters, which pose great challenges to achieving sustainable development. The aim of this Special Issue is to present recent research findings and concepts that summarize or reveal relevant trends, driving factors or measurements via geospatial analysis. We invite researchers and practitioners to contribute their innovative case studies, system reviews and perspectives to this Special Issue. Research areas may include, but are not limited to, the following:

- Spatial-temporal analysis of natural hazard;
- Spatial-temporal analysis of urbanization and its influences;
- Flood monitoring and assessment;
- Rainfall, drought and soil moisture;
- Land cover change and sustainability;
- Urbanization and water circulation;
- Urbanization and carbon emission.

Guest Editors

Dr. Chao Wang

State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan, China

Dr. Wenying Du

National Engineering Research Center of Geographic Information System, China University of Geosciences, Wuhan 430078, China

Deadline for manuscript submissions

closed (28 February 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/171904

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)