Special Issue

Advances in Application of Geographic Information Science for SDG 11 "Sustainable Cities and Communities"

Message from the Guest Editor

The purpose of this Special Issue is to discuss the theories and advanced methods of GIS in supporting the development of sustainable cities and to explore novel applications and possibilities of spatio-temporal techniques in sustainable development. The outcome of this Special Issue will be useful to understand and guide sustainable urban development from a new perspective, offer practical solutions to environmental and social issues, and promote the achievement of SDG 11. We look forward to receiving your well-prepared research. Potential topics include, but are not limited to:

- Land-use change and its environmental consequences;
- Artificial intelligence in sustainable urban planning;
- Spatial optimization for urban land management;
- Implications of land use/cover changes on the environment:
- Sustainable planning for urban and rural integration;
- Smart growth of land use and ecological conservation;
- Sustainable urban form for climate change adaption;
- Urban hazard susceptibility analysis and assessment;
- Urban resilience and vulnerability against COVID-19.

Guest Editor

Dr. Jinyao Lin

School of Geographical Sciences, Guangzhou University, Guangzhou 510006. China

Deadline for manuscript submissions

closed (10 January 2025)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/128712

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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)

