

Special Issue

New Approaches to Land Use/Land Cover Change Modeling

Message from the Guest Editors

Land use/land cover change induced by human activities has exerted profound impacts on ecosystems and human societies. In recent years, geo-big data has emerged as an important approach to generate reliable and accurate maps of land use/land cover change.

Moreover, machine learning algorithms, which are capable of handling complex relationships within data, are also increasingly applied in land use/land cover modeling. Both of these new developments have provided opportunities to gain new insights into the consequences of land use/land cover change and can help policymakers to address the potential challenges raised by global climate change. Therefore, we are preparing a Special Issue that is open to researchers interested in the field of land use/cover change modeling using geo-big data and machine learning. In this Special Issue, we invite papers that focus on, but are not limited to, the following topics:

- Land use/land cover mapping with geo-big data.
- Predictions of land use/land cover change based on machine learning.
- Social and environmental impacts of land use/land cover change.
- Sustainable urban/rural land use management.
- Urban environmental change and evaluation.

Guest Editors

Dr. Yimin Chen

Dr. Guohua Hu

Dr. Yujia Zhang

Prof. Dr. Xuecao Li

Dr. Brian Alan Johnson

Deadline for manuscript submissions

closed (15 May 2023)



Land

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.9



mdpi.com/si/80838

Land
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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. I strongly recommend *Land* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

Prof. Dr. Christine Fürst

Institute for Geosciences and Geography, Department Sustainable Landscape Development, University of Halle, Von-Seckendorff-Platz 4, 06120 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), PubAg, AGRIS, GeoRef, RePEc, and other databases.

Journal Rank:

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