

Special Issue

Modeling Spatio-Temporal Dynamics of Land Development

Message from the Guest Editor

In recent years, many researchers have revealed that the spatio-temporal dynamics of land development provide vital information about human activities. However, modeling the spatio-temporal dynamics of land development poses methodological and computational challenges. The goal of this Special Issue is to collect papers (original research articles and review papers) to provide insights into spatio-temporal land development dynamics. We will welcome manuscripts that link the following themes:

- Incorporating spatial and temporal dependencies in modeling;
- Accounting for complex non-linear relationships in land development dynamics;
- Addressing the computational feasibility of spatially explicit modeling frameworks;
- Introducing hybrid models combining statistical, simulation-based, machine learning, and deep learning methods;
- Improving our understanding of spatial and temporal dynamics in land development;
- Introducing urban development prediction applications.

We look forward to receiving your original research articles and reviews.

Guest Editor

Dr. Emre Tepe

Department of Urban and Regional Planning, School of Landscape Architecture and Planning, University of Florida, Gainesville, FL 32611, USA

Deadline for manuscript submissions

closed (30 April 2026)



Land

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.9



mdpi.com/si/219561

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.

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)