

## Special Issue

# Spatial Optimization and Sustainable Development of Land Use

### Message from the Guest Editors

As a spatial carrier for all human activities, land use provides the fundamental basis that any production activity must rely on. The “sustainability” in land use is hence an important guarantee for economic prosperity, ecological civilization, as well as sustainable development in resources and the environment. Nevertheless, the “sustainability” in land use cannot be achieved without spatial optimizations of it, which critically determines whether the allocation of land resources is efficient or not. We here call for a renaissance in the research on the spatial optimization of land use, including new models, new expressions, and new computations. Relevant topics include, but are not limited to, the following areas:

- Decisions models of land informatization;
- Sustainable land use goals for SDGs;
- Big data analytics in land use;
- Optimal land use allocation towards a low-carbon future;
- Simulation of land use dynamics;
- Artificial intelligence in land use optimization;
- The theory or method of using urban big data to monitor land development;
- Low-carbon oriented land use structure optimization.

---

### Guest Editors

Dr. Qingsong He

Dr. Linzi Zheng

Dr. Peng Zhou

Prof. Dr. Jiang Zhou

---

### Deadline for manuscript submissions

closed (31 August 2024)



## Land

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 5.9



[mdpi.com/si/167323](https://mdpi.com/si/167323)

*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)