

## Special Issue

# Spatial Optimization of Land Use: A Perspective on Carbon Emission and Energy Landscape Planning

### Message from the Guest Editors

As global challenges such as climate change and energy transitions intensify, the future trajectory remains uncertain. In this context, spatial optimization and land use planning have emerged as critical tools for advancing carbon neutrality. These approaches enable efficient land allocation, facilitate the integration of renewable energy infrastructure, and contribute to the reduction in greenhouse gas emissions, addressing pressing economic, environmental, and societal concerns.

We invite submissions from a variety of disciplines, particularly those exploring the intersection of land use simulation, climate change, and energy transitions.

Submissions may include the following themes:

- Spatial optimization and land use planning for advancing carbon neutrality;
- Land use strategies to enhance climate resilience;
- Energy infrastructure development and land use optimization;
- Sustainable land use practices considering the costs of energy transitions and environmental impacts;
- Carbon-neutral urban and rural design;
- Integrating climate resilience and adaptation in land use systems;
- The land–energy–climate nexus;
- Land use transition and carbon emissions.

---

### Guest Editors

Dr. Jing Huang

Dr. Wenjing Han

Dr. Chai Duo

Dr. Jing Lan

Dr. Shan Guo

---

### Deadline for manuscript submissions

15 July 2026



## Land

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 5.9



[mdpi.com/si/229924](https://mdpi.com/si/229924)

*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/](https://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)