

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

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Deadline for manuscript submissions

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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

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