

## Special Issue

# Spatial Optimization for Multifunctional Land Systems

### Message from the Guest Editors

This Special Issue aims to bring together recent innovative research that advances theory, methods, and applications of spatial optimization in multifunctional land systems. We invite original research articles, reviews, and case studies that address spatial trade-offs and synergies among ecosystem services, land use demands, and sustainability goals. Studies that incorporate spatially explicit modeling, GIS, remote sensing, agent-based or system dynamics models, ecosystem service assessments, or machine learning approaches are particularly welcome. This Special Issue will welcome manuscripts that link the following themes:

- Trade-off and synergy analysis between land functions or ecosystem services;
- Coupling optimization with ecological, social, or economic models' land use management;
- GIS-based spatial decision-supporting tools;
- Integration with remote-sensing, agent-based, or system dynamics models;
- Scenario analysis for sustainable land transitions;
- Participatory or stakeholder-informed spatial planning.

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### Guest Editors

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### Deadline for manuscript submissions

31 July 2026



## Land

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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.

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### Editor-in-Chief

Prof. Dr. Christine Fürst  
Department Sustainable Landscape Development, Institute for  
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