

## Special Issue

# Spatial Data Analysis and Geographic Information Systems for Urban Land Use

### Message from the Guest Editors

This Special Issue aims to focus on cutting-edge research that uses spatial data analysis and GIS technology for the in-depth quantification and regulation of urban land use structures across diverse geographic contexts. The objective is to drive a paradigm shift in urban land use planning and spatial data processing, fostering an organic synthesis of land use theory and advanced technological methodologies. This can help uncover land use change patterns, optimise urban spatial structures, and inform evidence-based land use policymaking.

We invite submissions on the follow themes: high-resolution remote sensing data analysis, spatial data fusion and multi-source GIS applications, land use change monitoring and modelling, urban ecological model development, and AI-driven urban data processing (e.g., machine learning, deep learning, and LLMs).

We also welcome theoretical discussions, methodological innovations, case studies, and interdisciplinary analyses that offer fresh perspectives and empirical insights into urban land use research.

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### Guest Editors

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### Deadline for manuscript submissions

31 December 2025



## Land

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### 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.

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### Editor-in-Chief

Prof. Dr. Christine Fürst

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