

## Special Issue

# Spatial Analysis and GIS for Sustainable Land Change Management

### Message from the Guest Editors

Land use and its changes have a direct impact on quality of life. Air, water and soil pollution caused by growing industries and intensive land use not only lead to biodiversity loss, desertification and other negative changes, but is also a risk factor for many diseases. Recognising and understanding how land use changes shape our daily lives by altering the geographical, social and economic environment can help prevent some adverse changes and assist local authorities in sustainable land management. In addition, the wealth of geographical data and advanced GIS techniques used for analysis facilitate analysis in both current and historical perspectives. Papers may address any topic related to sustainable land change management, and use cases may address global, regional or local issues. Papers analysing the usability of existing or new geospatial tools are also welcome. The Special Issue is open to all research papers involving various aspects of using GIS and spatial analysis related to sustainable land change management, e.g., land use changes, planning, landscape changes, sustainable environment and renewable energy. Interdisciplinary approaches are especially welcome.

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### Guest Editors

Prof. Dr. Elzbieta Bielecka

Dr. Beata Calka

Dr. Mohamed Zhuran

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### Deadline for manuscript submissions

15 May 2026



## Sustainability

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### Editor-in-Chief

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