Special Issue

GeoAI-Driven Urban Analytics: From Spatial Data to Planning Decisions

Message from the Guest Editor

This Special Issue **"GeoAI-Driven Urban Analytics: From Spatial Data to Planning Decisions"** aims to advance the scientific discourse taking place at the intersection of geospatial data science, artificial intelligence, and urban planning.

We welcome original research, case studies, methodological innovations, comparative analyses, and integrated frameworks that center around (but are not limited to) the following topics:

- AI-enhanced remote sensing for urban monitoring;
- Spatial machine learning for land-use, transport, and infrastructure analysis;
- Digital twins and simulation platforms for spatial planning;
- GeoAI for climate resilience, urban health, and environmental monitoring;
- Urban big data fusion (IoT, mobile data, abd satellite imagery) for real-time decision-making;
- Equity- and ethics-oriented GeoAI applications (bias detection, fair mapping, and transparent AI models);
- Policy-relevant GeoAI tools supporting strategic planning, urban regeneration, and risk mitigation.

The purpose of this Special Issue is to bridge the gap between **high-dimensional spatial data** and **practical planning decisions**, demonstrating how GeoAI can inform evidence-based, resilient, and equitable urban policies.

Guest Editor

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Message from the Editor-in-Chief

Urban Science is a scholarly international journal which provides a platform for the exchange of theories, ideas, methods, analyses, and comparative studies of urban and regional development. It is a peer-reviewed, open access journal that publishes high quality original articles, theoretical essays, critical reviews, research notes, and shorter communications. Its broad definition of "science" includes both quantitative and qualitative methods of social, environmental, and spatial analysis. There is no restriction on the maximum length of the papers.

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