Special Issue

GeoAI for Urban Understanding: Fusing Multi-Source Geospatial Data

Message from the Guest Editors

This Special Issue aims to collate high-quality original research and review articles that demonstrate significant methodological breakthroughs and novel applications in fusing multi-source geospatial data for enhanced urban understanding. We seek contributions that move beyond mere pattern detection towards causal explanation, predictive modeling and actionable insights for smart and sustainable urban development. Welcome submissions on topics including, but not limited to:

- Novel theories and computational paradigms for multi-source geospatial data fusion.
- Spatiotemporal foundation models for urban application.
- Fusion of remote sensing imagery (optical, SAR, etc.) and/or social sensing data (e.g., mobile phone, social media).
- Explainable AI and knowledge-guided deep learning for urban process modeling.
- Fine-scale, near-real-time monitoring of urban dynamics (e.g., population, traffic, energy, water, urban infrastructure, land).
- GeoAI for urban sustainability assessment (e.g., SDGs, carbon emissions, green equity, urban planning).

Guest Editors

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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