

Special Issue

Understanding Urban Expansion and Weather Extremes through Remote Sensing, Spatial Analysis and Numeric Simulations

Message from the Guest Editors

This Special Issue aims to provide an opportunity to exchange ideas among scholars, planners, and decision makers who are engaged in climate change, urban resilience, land development, disaster reduction and prevention, natural resource management, ecosystem restoration, and related domains. Thus, in the sense of a transdisciplinary approach, innovative manuscripts that apply state-of-the-art theories and methods using remote sensing, spatial analysis, process-based modeling, and quantitative statistics to address the topic of this Special Issue are expected. Original articles and review papers including, but not limited to, the following themes are welcome:

- Weather extremes;
- Urban resilience;
- Climate change, mitigation, and adaptation;
- Multi-source remote sensing data;
- Land development pattern;
- Artificial modification of climate;
- Urban heat island effect;
- Urban geological risk;
- Urban waterlogging;
- Flood management.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2025)



Remote Sensing

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About the Journal

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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