Special Issue

Monitoring Urban Environment from Space

Message from the Guest Editors

This Special Issue aims to compile high-quality research that demonstrates the integration of multi-source remote sensing data, machine learning, and geospatial analytics to address urban environmental challenges. Contributions may cover methodological advancements, case studies, or reviews highlighting the role of remote sensing in urban sustainability, disaster resilience, and climate adaptation. Topics of interest include (but are not limited to) the following:

- Urban land cover/land use change detection;
- Monitoring urban air pollution and greenhouse gas emissions;
- Remote sensing data collection and processing techniques for urban air quality assessment;
- Development and validation of models that utilize remote sensing data to predict air pollution levels;
- Case studies illustrating the role of remote sensing in policymaking and urban planning for improved air quality;
- Evaluation of the accuracy and effectiveness of remote sensing methods in monitoring urban air;
- Urban heat island effect and thermal environment analysis;
- Water resource management and flood risk assessment in cities;
- AI and big data analytics for urban remote sensing;
- Multi-sensor fusion and high-resolution urban mapping.

Guest Editors

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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.

Editor-in-Chief

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