



CALL FOR PAPERS
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

Special Issue on
“Advances in Urban Remote Sensing for Monitoring Global Urban Environmental Changes”

As urbanization continues to accelerate globally, cities are encountering complex environmental challenges, including climate change, pollution, biodiversity loss, and resource depletion. Addressing these pressing issues requires advanced monitoring and analytical techniques, with remote sensing emerging as a crucial tool for capturing the spatial and temporal dynamics of urban environmental changes.

This Special Issue aims to present cutting-edge research on the applications of remote sensing in monitoring, analyzing, and mitigating urban environmental changes. We seek contributions that explore innovative methodologies, interdisciplinary approaches, and real-world applications that enhance our understanding of urban ecosystems and inform sustainable urban development strategies. Submissions focusing on novel remote sensing techniques, multi-source data integration, and advanced analytics to support resilient and adaptive urban environments are particularly encouraged.

The broad topics include (but are not limited to):

- Advancing Urban Remote Sensing: Integrated Methods for Environmental Monitoring and Sustainability
- Multi-Scale Urban Remote Sensing: From Local Dynamics to Global Environmental Change
- Urban Remote Sensing for Climate Resilience: Innovations in Monitoring, Modeling, and Adaptation
- Remote Sensing for Urban Sustainability: Mapping Risks, Resources, and Resilience
- AI and Big Data in Urban Remote Sensing: Transforming Monitoring and Decision-Making
- Next-Generation Urban Remote Sensing: Integrating AI, IoT, and Earth Observation
- Urban Remote Sensing for Smart Governance: Bridging Science, Policy, and Urban Planning
- Sensing the City: Remote Sensing Applications for Urban Health, Equity, and Livability

Schedule

May 1, 2025 Submission system opening
December 31, 2025 Submission system closing

Format

All submissions will be peer reviewed according to the IEEE Geoscience and Remote Sensing Society guidelines. Submitted articles should not have been published or be under review elsewhere. Submit your manuscript on <http://mc.manuscriptcentral.com/jstars>, using the Manuscript Central interface and select the “**Advances in Urban Remote Sensing for Monitoring Global Urban Environmental Changes**” special issue manuscript type. Prospective authors should consult the site <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9082768> for guidelines and information on paper submission. All submissions must be formatted using the IEEE standard format (double column, single spaced). Please visit http://www.ieee.org/publications_standards/publications/authors/author_templates.html to download a template for transactions. Please note that as of Jan. 1, 2025, IEEE J-STARS, as a fully open-access journal, charges a flat publication fee \$1,800 per paper.

Guest Editors

Jun Yang	Northeastern University, China (yangjun8@mail.neu.edu.cn)
Xiangming Xiao	University of Oklahoma, USA (xiangming.xiao@ou.edu)
Zhi Qiao	Tianjin University, China (qiaozhi@tju.edu.cn)
Xiao Liu	South China University of Technology, China (xiaoliu@scut.edu.cn)