

Special Issue

Remote Sensing Based Fine-Scale Urban Thermal Environment

Message from the Guest Editors

Remote sensing technology will play an important role in urban climate change adaptation. Compared with traditional thermal infrared remote sensing technology, 3D photogrammetry and light detection and ranging (LiDAR) could be used to monitor three-dimensional building forms, vegetation canopy, and surface temperature. High-resolution remote sensing satellites can extract refined urban surfaces (urban roads, water bodies, etc.) and building management measures (green roofs and white roofs). High time-resolution satellites can monitor the temporal variation of the urban thermal environment and the impact of vegetation on the urban thermal environment due to phenological characteristics. More remote sensing technologies, e.g. unmanned aerial vehicles, which could reveal spatio-temporal patterns, and the formation mechanisms and control measures of the fine-scale urban thermal environment, are worth developing. We are requesting papers on remote sensing-based, fine-scale, urban thermal environments. Specific topics include, but are not limited to

- Novel data
- New Technologies
- Applied research
- Basic scientific research
- Engineering practice research
- Management policy research

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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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