

Special Issue

Application of Remote Sensing in Urban Climatology

Message from the Guest Editors

This Special Issue invites authors to submit their work on innovative methods and applications that use remote sensing data to study the urban climate and inform better spatial planning and public health actions for mitigating UHI and heatwave effects. Potential topics include, but are not limited to:

- The study of SUHIs using dense land surface temperature (LST) time series;
- The relationship between surface and atmospheric UHI;
- The generation of LST datasets that combine high spatial and temporal resolution;
- Classifying cities into local climate zones (LCZ);
- Understanding SUHIs in different LCZ and climates;
- Monitoring urban energy exchanges from space;
- Identification and extraction of SUHI hotspots and coldspots;
- Evaluation of SUHI drivers, e.g., albedo, vegetation abundance, and sky-view factor;
- Spatial and energy planning or public health actions that use remote sensing data for mitigating UHI and heatwave effects.

Guest Editors

Dr. Panagiotis Sismanidis

Prof. Dr. Benjamin Bechtel

Dr. Zina Mitraka

Dr. Iphigenia Keramitsoglou

Deadline for manuscript submissions

closed (15 March 2021)



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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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Message from the Editorial Board

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.

Editors-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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