

Special Issue

Satellite Remote Sensing of Urban Thermal Environment: Progresses, Challenges, and Opportunities

Message from the Guest Editors

In the past several decades, the world has experienced fast urbanization, and this trend is expected to continue for decades to come. Urbanization plays an important role in the Earth system through modifying the terrestrial surfaces and atmospheric composition. Especially, urbanization changes the thermal environment in urban areas by creating the phenomenon of urban heat islands (UHI), with higher temperatures in urban areas compared to their surrounding rural areas. There is a growing need, from both the science and policy making communities, for science-based information and knowledge on the urban thermal environment and its drivers and impact from local to global scales. Satellite remote sensing plays an irreplaceable role in understanding our urban thermal environment. With the rapid development of remote sensing technologies and algorithms, this Special Issue invites original manuscripts on the latest research and advancement in the remote sensing of the urban thermal environment.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2020)



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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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