Special Issue

Geographical Analysis and Modeling of Urban Heat Island Formation

Message from the Guest Editors

The urban heat island (UHI) phenomenon, related to rapid urbanization, has attracted considerable attention from academic scholars and governmental policymakers because of its direct influence on citizens' daily lives. The UHI effect causes a series of negative human impacts, including indirect economic loss, poor air quality, reduced comfort, imbalanced public health, and increased mortality rate. The temperature difference between the center and the periphery is expanding, especially in big cities. It could be the result of changes in land use/cover composition and increasing anthropogenic heat sources. Monitoring and modeling urban heat island formation are crucial to managing sustainable development, especially in developing countries. This Special Issue focuses on data, method, techniques, and empirical outcomes of urban heat island studies from a time and space perspective. We wish to showcase your research papers, case studies, conceptual or analytic reviews, and policy-relevant articles to help to achieve urban sustainability.

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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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