



Remote Sensing Big Data for Improving the Urban Environment

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Message from the Guest Editors

Global urban areas have been rapidly expanding in recent decades, especially in developing countries. The urbanization rate has been projected to reach 60% by 2030. Urban expansion inevitably leads to conversion of natural and semi-natural ecosystems into impervious surfaces, and thus becomes the most widespread anthropogenic cause of increased urban environmental degradation. Remote sensing has been widely used for investigating the urban environment.

This Special Issue aims to present novel studies exploiting remote sensing big data to monitor and improve the urban environment, in addition to showing the potential of remote sensing in developing sustainable cities. This includes coverage of the following topics:

- (1) Urban remote sensing big data
- (2) Remote sensing information interpretation
- (3) Urban expansion, land use/land cover dynamics, and associated environmental consequences
- (4) Remote sensing of urban water quality
- (5) Remote sensing of urban thermal environment
- (6) Remote sensing of urban geological environment





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Message from the Editor-in-Chief

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