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Remote Sensing Application in Sustainable Urban Planning and Environmental Services in the Big Data Era

Guest Editor:

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Message from the Guest Editor

During the past decades, multiple remote sensing data sources have provided fresh opportunities to examine the dynamics of urban landscapes. In the meantime, the rapid development of telecommunications and mobile technology and the emergence of online search engines and social media platforms has changed human activities and the urban landscape. The combination of these two types of data sources results in explosive and mind-blowing discoveries in contemporary urban studies. This SI attempts to assemble a cohort of studies that examine how to incorporate remote sensing data sources and geotagged social media/search engine data to support sustainable urban planning and development. The topics include but are not limited to:

Urban simulations supported by remote sensing and big data

Mechanisms of urban landscape change

Spatiotemporal examination of urban landscape

Noval analytical approaches utilizing remote sensing and big data in urban studies

Studies of urban vibrancy with remote sensing and big data analytical approaches

Integrating RS and big data to investigate healthy and sustainable urban development

Investigating urban environmental services via urban remote sensing and big data

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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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