Special Issue

Remote Sensing based Urban Development and Climate Change Research

Message from the Guest Editors

A wide range of remote sensing technologies such as optical, thermal infrared, microwave, as well as light detection and ranging (LiDAR) are used to observe the urban environment and its changes. These technologies can contribute to monitoring, testing, and exploring solutions for evolving urban development to adapt to the changing climate. Furthermore, remote sensing observations can also help to understand past urban expansion and its influence on climate. Specific topics include, but are not limited to

- The use of remote sensing to understand the evolution of the urban heat island, its interaction with global warming trends, and its impacts on air quality, energy or water use, and urban vegetation
- The use of remote sensing to identify urban development at risk of sea level rise, coastal and inland flooding
- The effect of urban development and climate change on water availability and quality
- Monitoring urban emissions of waste heat and greenhouse gases
- Novel remote sensing techniques including new sensors, new methodology, new datasets, etc., for monitoring urban development in response to climate change research

Guest Editors

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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.

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