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Future Prediction and Scenario Analysis of Urbanization Using Remote Sensing and GIS

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Message from the Guest Editors

Using GIS and Remote Sensing techniques, scenario-based prediction and simulation of future urbanization trends and their possible impacts on people and urban ecosystem services are essential from a planning perspective. This Special Issue focuses on data, methods, techniques, and empirical outcomes of urbanization studies from a time and space perspective. Areas of interest include, but are not necessarily limited to:

- Methodology and dataset for simulating urbanization trends in the future;
- Impacts of future urbanization on ecosystem services;
- Novel techniques for land use/cover monitoring and forecasting with remote sensing and GIS;
- Spatiotemporal mapping of the urbanization process in big cities through empirical studies;
- The spatial relationship between urban heat island intensity and land use/cover distribution in metropolitan areas;
- Scenario simulation based on sustainable development goals (SDGs);
- Spatial differences in land use/cover distribution between developing and developed countries;
- Urban heat island disaster mitigation and adaptation for future urban sustainability;
- Prediction and scenario analysis of urbanization for policy and planning.



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Special Issue



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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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