Special Issue

Urban Emissions and Air Quality Monitoring and Predictions in Urban Areas Using Remote Sensing

Message from the Guest Editors

Cities are the cause of 70% of carbon emissions, which is the main greenhouse gas affecting climate change. Carbon dioxide in cities can cause significant harm to social good and will undergo rapid change over the upcoming decades. Robust scientific techniques are needed to capture the magnitude, trends and impacts of carbon in cities. Remote sensing can provide the necessary insights to transform emerging methods and technologies into operational systems for urban carbon. The Special Issue seeks studies on past progress and new developments in satellite remote sensing of urban greenhouse gases, with a focus on CO2. Tentative themes include, but are not limited to, innovative remote sensing methods for the monitoring, assessment and forecasting of urban carbon dioxide and air quality parameters, urban carbon performance and prediction models, and the integrative use of remote sensing, urban data streams and numerical models. This special issue will promote diverse research on remote sensing for global urban air quality.

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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.

Editor-in-Chief

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