Special Issue

Remote Sensing Applications in Air Quality Monitoring in Urban Areas

Message from the Guest Editors

Environmental pollution in densely populated cities is becoming increasingly serious, with severe air pollution being caused by various production facilities and vehicles. In recent years, remote sensing has been actively used for air quality monitoring. Satellite is a representative remote sensing technique, and LiDAR, DOAS, and FTIR are widely used to detect the concentration and spatial distribution of gaseous and particulate pollutants. This Special Issue aims to discover new remote sensing technologies that can replace the existing in situ methods of air quality monitoring. We encourage the submission of articles addressing novel application methods and convergence studies related to remote sensing technology to monitor the spatial and temporal concentration distribution of various air pollutants in urban areas.Potential topics may include, but are not limited to: New methods for air quality monitoring in urban areas; The application of big data for air quality monitoring; Advances in the remote sensing of air quality monitoring; Convergence applications of remote sensing; The monitoring and assessment of urban air quality.

Guest Editors

Dr. Youngmin Noh

Department of Environmental Engineering, Pukyong National University, Busan 48513, Korea

Dr. Kwanchul Kim

Advanced Institute of Convergence Technology, (16229) 864-1, Iui-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea

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Remote Sensing
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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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

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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