Special Issue

Satellite Remote Sensing for Air Quality and Health

Message from the Guest Editor

For the last decade or so, there have been increasingly advanced satellite remote sensing products that can be used to infer air quality. These satellite data obtained from MODIS, MISR, OMI, VIIRS, and GOCI (among others) have been employed to estimate ground-level air pollution levels (e.g., hotspot identification and exposure estimates for health effect studies), assess the effectiveness of air quality management (e.g., trend analysis), and evaluate emission inventory. Recently, TROPOMI and geostationary GOES-16 and -17 were launched, and are now operational. We further expect to have MAIA, TEMPO, Sentinel-4, and GEMS in the next few years. Satellite data have been improving with respect to data accuracy, spatial and temporal resolutions, and the types of air pollutants to be inferred. This Special Issue invites state-of-the-art research on air quality derived from both historical and recent satellite remote sensing data. We also expect to introduce various applications of satellite-based air quality data.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2021)

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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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