Special Issue

Assessing Nitrogen Dioxide (NO_2) Levels with Remote Sensing Data

Message from the Guest Editors

Nitrogen dioxide (NO2) is an ambient trace-gas result of both natural and anthropogenic processes. Long-term exposure to NO2 may cause a wide spectrum of severe health problems such as hypertension, diabetes, heart, cardiovascular diseases, and even death. Due to the negative effect of NO2 on human health, it is immensely important to monitor its spatial and temporal patterns and study its environmental feedbacks. In recent years, remote sensing has proven to be a useful tool for exploring the spatial variability of NO2 in the fields of urban areas, transportation, soils, atmosphere, and epidemiology. The aim of this Special Issue is to focus on the monitoring of NO2 using a variety of remote sensing tools in order to draw a broader picture of the spatial and temporal changes of various aspects of the environment and their impact on the human health. Topics include, but are not limited to, the following: Soil organic matter sequestration; Source emissions monitoring; Epidemiological research; Sensors and platforms; Trace gases; Land use and land cover change (LULCC); Air pollution; Spatial and temporal monitoring; Remote sensing vs. ground-based measurements.

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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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