



## Assessing Nitrogen Dioxide (NO<sub>2</sub>) Levels with Remote Sensing Data

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submissions:

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### Message from the Guest Editors

Nitrogen dioxide (NO<sub>2</sub>) is an ambient trace-gas result of both natural and anthropogenic processes. Long-term exposure to NO<sub>2</sub> 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 NO<sub>2</sub> 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 NO<sub>2</sub> in the fields of urban areas, transportation, soils, atmosphere, and epidemiology. The aim of this Special Issue is to focus on the monitoring of NO<sub>2</sub> 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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