



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

Guest Editors:

**Dr. Yaron Ogen**

Martin-Luther University Halle-  
Wittenberg, Halle (Saale),  
Germany

**Prof. Dr. Eyal Ben-Dor**

The Remote Sensing Laboratory,  
Tel-Aviv University, Tel-Aviv,  
Israel

Deadline for manuscript  
submissions:

**closed (31 March 2022)**

### 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.





an Open Access Journal by MDPI

## 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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

**Journal Rank:** JCR - Q1 (Geosciences, Multidisciplinary) / CiteScore - Q1 (General Earth and Planetary Sciences)

## Contact Us

*Remote Sensing* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)