

Special Issue

Assessing Nitrogen Dioxide (NO₂) 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.

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)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/59404

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

[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



[mdpi.com/journal/
remotesensing](https://mdpi.com/journal/remotesensing)



About the Journal

Message from the Editorial Board

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.

Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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)