

Special Issue

Remote Sensing of Aerosols and Gases in Cities

Message from the Guest Editor

About 55% of the global population lives in urban areas. Due to the emissions of facilities and vast amounts of transport, various air pollutants and greenhouse gases (GHGs) are inevitably highly concentrated in cities. Remote sensing is an effective approach to provide spatial distribution information of atmospheric constituents. In recent years, atmospheric remote-sensing technologies have been rapidly improved. Various remote-sensing techniques from ground-based or airborne platforms to satellite can be effectively applied to aerosol and gas measurements over cities and nearby areas. The scope of this Special Issue, entitled “Remote Sensing of Aerosols and Gases in Cities”, is as follows:

Applications of the pre-existing remote-sensing techniques to measurements of urban aerosols and gases.

Improvement in retrieval algorithms or optical devices.

Development of new remote-sensing techniques.

Simulation studies for feasibility or uncertainty assessment.

Urban atmospheric chemistry and radiative transfer using remote-sensing data.

Comparisons between the quantities retrieved from various platforms.

Validation studies for space-borne measurements over cities.

Guest Editor

Dr. Hanlim Lee

Department of Spatial Information Engineering, Pukyong National University, Busan 608737, Korea

Deadline for manuscript submissions

closed (30 September 2021)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/56760

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 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.

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

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)