

## Special Issue

# Aerial LiDAR Applications in Urban Environments

### Message from the Guest Editors

LiDAR systems have been demonstrated to be a way of acquiring urban environments quickly and accurately. Aerial laser scanning technology—installed in UAVs, aircraft, or helicopters—can capture large areas without being limited to the movement of the laser scanner on the ground. The availability of aerial point clouds is also becoming increasingly common, with entire cities and countries already having been captured. The use of aerial LiDAR still faces some difficulties. On one hand, aerial point clouds are commonly affected by occlusions, causing an incomplete representation of the urban environment. On the other hand, aerial point clouds are composed of a massive number of coordinates that are required from the development of automated processing methods to extract the useful information from the application they are intended to be used. This Special Issue will collect recent advances in the use of aerial LiDAR in urban environment applications.

### Guest Editors

Dr. Jesús Balado Frías

Geotech Group, CINTECX, University of Vigo, 36310 Vigo, Spain

Dr. Lucía Díaz-Vilariño

Applied Geotechnologies Research Group, Campus Universitario de Vigo, Universidade de Vigo, CINTECX, As Lagoas, Marcosende, 36310 Vigo, Spain

### Deadline for manuscript submissions

closed (13 May 2022)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/64848](https://mdpi.com/si/64848)

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