

## Special Issue

# Sensors and Artificial Intelligence in Autonomous Vehicles

### Message from the Guest Editor

Autonomous vehicles (AVs), self-driving cars, and robotaxis have recently attracted a new level of attention from both academia and industry. Different types of sensors (camera, laser scanner, radars, LiDAR, ultrasound, GPS, etc.) along with AI methodologies, machine learning, deep learning, and large datasets are playing major roles in further development of the AVs with a higher level of intelligence and mobility. Different types of sensors have led to increased safety, efficiency, capabilities, and more accuracies for object detection, 3D road modelling, traffic environment perception, and driver behaviour monitoring. The Special Issue "Sensors and Artificial Intelligence in Autonomous Vehicles" welcomes open call submissions in the state-of-the-art current and emerging technologies and methodologies in utilisation of single or multi-sensors for vehicle automation and AVs. Prospective authors are welcome to submit original research (not published or currently under consideration by any other publication or conference) and technical papers in the field.

### Guest Editor

Dr. Mahdi Rezaei

Institute for Transport Studies, University of Leeds, Leeds LS2 9JT, UK

### Deadline for manuscript submissions

closed (31 December 2021)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/71566](https://mdpi.com/si/71566)

*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)