

## Special Issue

# UAV-Based Environmental Monitoring

### Message from the Guest Editor

Unmanned aerial vehicles have become an increasingly viable option for the measurement of the environment in which we live. This Special Issue will provide a comprehensive overview of the development and use of remote sensing technology for environmental measurement and monitoring using unmanned aerial vehicles and systems. We invite research articles that consolidate our understanding of the state-of-the-art in this area. The Special Issue will publish full research, review, and highly rated manuscripts addressing the above topic. The scope of this Special Issue includes, but it is not limited to the following:

- UAV applications of remote sensing for environmental measurement
- Improvements in UAV technology for remote sensing
- Micro UAV applications
- UAV sensor design
- Descriptions of processing algorithms applied to UAV-based datasets including artificial intelligence and data mining-based strategies
- UAV system architecture for remote sensing applications
- Collaborative strategies and mechanisms to integrate UAVs into heterogeneous sensing networks

---

### Guest Editor

Dr. Sean C. Bailey

Department of Mechanical Engineering, University of Kentucky,  
Lexington, KY 40506, USA

---

### Deadline for manuscript submissions

closed (15 August 2021)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/43268](https://mdpi.com/si/43268)

*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)