

Special Issue

Recent Progress in UAV-AI Remote Sensing II

Message from the Guest Editors

This special issue aims at research covering the interpretation of data obtained from different UAV sensors using artificial intelligence techniques. Research on the integration of multi-source, multi-temporal or multi-scale UAV imagery (e.g. multispectral, hyperspectral, thermal imaging, LiDAR, etc.) and multiple AI domains (e.g. deep learning, reinforcement learning and joint learning) is welcome and aims to address challenges or bottlenecks in each domain. Articles may address, but are not limited to, the following topics: Data processing (multispectral, hyperspectral, thermal, LiDAR, etc.)

- Real-time object detection, counting, segmentation and tracking
- Change detection in land, forest, grass
- Pests, disease, and other disasters monitoring
- AI algorithms for UAV data
- UAV-AI system development
- UAV-AI applications

Guest Editors

Dr. Yingying Dong

Dr. Chenghai Yang

Dr. Giovanni Laneve

Prof. Dr. Wenjiang Huang

Deadline for manuscript submissions

closed (30 July 2025)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/177506

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)