



## Unmanned Aerial Vehicles (UAV): New Solutions and Applications for Real-Life Tasks

Guest Editors:

**Dr. Claudio Piciarelli**

**Dr. Danilo Avola**

**Dr. Alessio Mecca**

**Dr. Marco Cascio**

Deadline for manuscript  
submissions:  
**closed (1 December 2023)**

### Message from the Guest Editors

Dear Colleagues,

The recent widespread use of Unmanned Aerial Vehicles (UAVs) as well as their reduced costs allow their application in real-life remote sensing scenarios. For this reason, several of the tasks that are usually performed by humans could now benefit from an UAV-based approach, e.g., to operate in hazardous environments, automatize tedious tasks, or even just improve system performance. Moreover, UAVs can equip different kinds of cameras, such as RGB, depth RGB, and/or infrared, which can be useful for different application contexts. Different from traditional techniques, there is no need to duplicate the acquisition devices, drastically reducing costs and allowing a better-quality camera of the same price. In addition, in some specific fields, the use of UAVs can have a high impact. For example, in environmental anomaly detection, old techniques were based on satellite acquisitions.

This Special Issue is looking for new solutions for tasks that can be eased by using UAVs, novel deep network architectures that are especially focused on UAV-captured videos, and possible new tasks on which the use of UAVs can be beneficial.





an Open Access Journal by MDPI

## 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

## 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.

## 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*)

## Contact Us

*Remote Sensing* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)