

## Special Issue

# Field-Scale Monitoring for Water Resources and Ecosystems Management: From Drone to Satellite Imagery

### Message from the Guest Editors

Riparian and Riverine vegetation is amongst the most impacting ecohydraulic and ecohydrological key factors in the management of water resources and both aquatic and terrestrial ecosystems, considerably affecting vegetated water systems almost worldwide. Drone- and satellite-based imagery of vegetated open channels and watersheds allow for site-specific riparian and riverine vegetation management, which is a highly efficient methodology that is beneficial to the environment and ecosystem services in both constructed and natural territories. In this Special Issue, we invite the authors to submit their articles focusing on a wide overview of the most suitable drone- and satellite-based image processing methodologies for the field-scale monitoring of both natural and urban water bodies and watersheds, pointing out their huge potential in the management of vegetated water systems and natural resources and to reducing disaster risk.

### Guest Editors

Dr. Giuseppe Francesco Cesare Lama

Department of Agricultural Sciences, Water Resources Management and Biosystems Engineering Division, University of Napoli Federico II, Portici, NA, Italy

Dr. Gianluigi Busico

Department of Environmental, Biological and Pharmaceutical Sciences and Technologies, Campania University "Luigi Vanvitelli", 81100 Caserta, Italy

### Deadline for manuscript submissions

closed (20 July 2023)



## Remote Sensing

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 8.6



[mdpi.com/si/122733](https://mdpi.com/si/122733)

*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/](https://mdpi.com/journal/)

[remotesensing](https://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)