



an Open Access Journal by MDPI

Multi-Source Remote Sensing Data for Water Resource Management in Agriculture

Guest Editors:

Dr. Pasquale Nino

Council for Agricultural Research and Economics (CREA) Research Centre for Agricultural Policies and Bioeconomy, Borgo XX Giugno 74, 06121 Perugia, Italy

Dr. Nicolas Baghdadi

French National Institute for Agriculture, Food, and Environment (INRAE), Maison de la Télédétection—UMR TETIS, 500 rue JF Breton, 34093 Montpellier, CEDEX 05, France

Artur Łopatka

Institute of Soil Science and Plant Cultivation (IUNG).ul. Czartoryskich 8, 24-100 Pulawy, Poland

Deadline for manuscript submissions:

30 June 2026

Message from the Guest Editors

Remote Sensing techniques and availability of data from different platform has opened new perspectives for supporting sustainable water resources management. Remote Sensing on irrigation monitoring can provide detailed spatial/temporal information of the dynamics of the irrigated areas and the key elements of which irrigation depend like crop Evapotranspiration (ET) and Soil Moisture (SM).

This Special Issue invites papers focused on the design and development of methods, algorithm, strategies, and new technologies for water resource management and development impact assessment using multi-source remote sensing technologies under land use and climate changes. Potential topics include, but are not limited to:

- Mapping irrigated areas;
- Evapotranspiration mapping;
- Soil Moisture mapping;
- Synergy between radar and other sensors for SM and ET retrieval;
- Role of remote sensing in supporting water policy;
- Application of remote sensing techniques to estimate water stored volume in artificial reservoir.



mdpi.com/si/167987

Special Issue



an Open Access Journal by MDPI

Editors-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

Prof. Dr. Dongdong Wang

Institute of Remote Sensing and
Geographic Information Systems,
Peking University, Beijing, China

Message from the Editorial Board

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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)