remote sensing

IMPACT FACTOR 4.1

CITESCORE 8.6

an Open Access Journal by MDPI

Remote Sensing for Water Resources Assessment and Monitoring in Agriculture

Guest Editors:

Dr. Valerie Demarez

Dr. Dominique Courault

Prof. Dr. Clement Atzberger

Dr. Valentine Lebourgeois

Deadline for manuscript submissions:
closed (30 November 2019)

Message from the Guest Editors

Around 50% of the world's agricultural production is produced under irrigation, and, due to growth in population and food demand, irrigated areas are expected to almost double by 2050 in a context of climate change and decreasing water availability, causing significant environmental changes. The assessment and monitoring of agricultural water resources are thus mandatory to achieve sustainable development and food security. EO missions such as Landsat, MODIS, Sentinel, SMOS, SMAP, etc., can provide timely and accurate information (e.g., crop and soil water status, irrigated cropland, water bodies, etc.) at various scales to support water management and achieve sustainable development objectives.

The goal of this Special Issue is to show how satellite observations can be used to characterize and monitor agricultural water resources at different spatial and temporal scales. We expect papers that present novel methods, based on single or multi-sensor time series and/or multi-source (remote sensing data, ancillary data, expertise, and modelling) approaches to go beyond the state of the art in terms of agricultural water resources assessment and monitoring.

remote sensing

IMPACT FACTOR 4.1

CITESCORE 8.6

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