Special Issue

Smart Agriculture Based on Remote Sensing and Artificial Intelligence

Message from the Guest Editors

Smart agriculture leverages remote sensing to generate high-quality, timely, and actionable insights into farmlands, leading to improved crop yield, efficient use of resources, and sustainable practices. Remote sensing data for smart agriculture have the characteristics of multiple varieties, large volumes, and diverse application requirements. It is therefore necessary to adopt innovative technologies to process and manage remote sensing data and to extract and understand agricultural information in order to provide better basis for smart agriculture decision making. The unified, reliable, and easy implementation characteristics of artificial intelligence provide a new approach to exploitation and utilization of remote sensing data for smarter agriculture. In this context, this Special Issue aims to explore the recent advances in remote sensing technologies and applications and artificial intelligence in the agriculture domain, with a focus on crops. Papers of a theoretical, technical, and applicative nature are welcome. Data sources could be from remote sensors on various platforms including ground-based, proximal, drone, aircraft, and satellites.

Guest Editors

Dr. Chongya Jiang

Dr. Zhan Li

Dr. Zhou Zhang

Dr. Wang Zhou

Deadline for manuscript submissions

closed (17 May 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/176930

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

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)