Special Issue

Remote Sensing for Future Food Security and Sustainable Agriculture

Message from the Guest Editors

Agriculture comprises a vital economic sector producing food, agro-industrial feedstock, and energy and providing environmental services through managing soil, water, air, and biodiversity holistically. The agri-food chain involves multiple actors and stakeholders that produce and provide food and agricultural commodities to consumers. In addition to farmers, there are farm suppliers, processors, transporters and market intermediaries. These actors make the agri-food chain efficient. In order to provide solutions to all complex problems related to the agri-food chain, we need to better understand all processes and build an interoperable knowledge management system for each agriculture sector. A key part of such knowledge management systems is data, including remote sensing data. The intention of this Special Issue is to collect ideas on how remote sensing and data derived from remote sensing can help future knowledge management for global food security and better sustainability of agriculture production in varying climatic conditions and how remote sensing can support the UN Sustainable Development Goals and the European Green Deal.

Guest Editors

Dr. Karel Charvat

Dr. Gregory Giuliani

Dr. Tomas Mildorf

Dr. Hana Kubickova

Dr. Sarka Horakova

Deadline for manuscript submissions

closed (31 December 2021)

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)