

Special Issue

Remote Sensing of Soil Moisture for Agricultural Purposes

Message from the Guest Editors

Water is a key element in agriculture due to its essential role in plant production. The possibility of effective use of water by crops is mainly determined by the retention properties of the soil, thanks to which water can be stored in periods of drought. However, this property depends on many factors, which may additionally be spatially differentiated, even on the scale of small agricultural plots. Information on soil moisture and its variability during the growing season can be used in agriculture in many ways. It is essential for the proper conduct of agro-technical practices on the farm scale, provision of agricultural advisory services in the regions, as well as for the central planning of agricultural policy. Nowadays, modern methods allow for remote assessment of soil moisture and its mapping - in each of the abovementioned spatial scales. Here, I invite you to publish works that present the use of any non-invasive method (satellite and aerial RS, UAV, field robot, sensors installed on agricultural machines) for direct assessment of soil moisture.

Guest Editors

Dr. Rafał Pudełko

Department of Geomatics, Institute of Soil Science and Plant Cultivation—State Research Institute (IUNG-PIB), Czartoryskich 8, 24-100 Pulawy, Poland

Dr. Kamil Szewczak

Institute of Agrophysics, Polish Academy of Sciences (Instytut Agrofizyki Polskiej Akademii Nauk), 20-280 Lublin, Poland

Deadline for manuscript submissions

closed (30 July 2024)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/86816

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



About the Journal

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.

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

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)