Special Issue

High-Resolution Soil Moisture Products for Hydrology, Agriculture, and Hazard Applications

Message from the Guest Editors

The aim of this Special Issue is to showcase cuttingedge research on the development and application of high-resolution soil moisture products. This includes the use of multi-sensor data, machine learning techniques, and integrated approaches that improve the accuracy and spatial detail of soil moisture products for various applications, such as hydrology, precision agriculture, and hazard assessment.

- Advances in high-resolution soil moisture retrieval techniques from remote sensing data;
- Data fusion methods combining satellite, airborne, and in situ observations:
- The validation and calibration of soil moisture products using ground measurements;
- The integration of high-resolution soil moisture data into hydrological and agricultural models;
- Applications in drought and flood monitoring, early warning systems, and hazard risk assessment;
- Conceptual and review articles that discuss challenges and future directions in high-resolution soil moisture monitoring.

Guest Editors

Dr. Yuchuan Luo

Dr. Juan Cao

Dr. Peng Zhu

Deadline for manuscript submissions

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

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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 peerreview 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

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