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 cutting-edge 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

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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.

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