

Special Issue

Satellite Soil Moisture Validation and Applications

Message from the Guest Editors

Soil moisture is a key element of our Earth's system and an important indicator of climate change. Soil is the medium for plant growth and the substrate for all biogeochemical and biogeophysical processes. Its unique natural organization forms the foundation of any food–water–energy nexus system. In addition, soil is a very large reservoir for water and carbon with strong influences on local, regional, and global climate. The topics of the Special Issue include: 1) Soil Moisture Data Product Validation; 2) Space and in situ soil moisture measurements; 3) Soil Moisture Applications in Natural Hazards Monitoring; 4) Weather and Climate Modeling; 5) The Role of Soil Moisture in Carbon Cycle and Ecology; 6) Hydrology and Water Resources; 7) Agriculture and Food Security. 8) Soil-Ecosystem-Carbon-Climate (SECC) Nexus 9) Water-Energy-Food Nexus 10) WMO Soil Moisture Demonstration Project (SMDP) 11) International Soil Moisture Standard and Guidelines

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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.

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