

Special Issue

Advances in Remotely Sensed Soil Moisture Products

Message from the Guest Editor

Soil moisture has an important role in the global water and energy balance, affecting hydrological and atmospheric cycles, drought conditions, irrigation management, and so many other processes. Over the last decade, the development of remote sensing technologies has provided the possibility that this environmental variable is more accessible than before. Nowadays, remotely sensed satellite products have become the only feasible way to reach an unprecedented amount of soil moisture data on both spatial and temporal scales. This Special Issue aims to publish new ideas and findings in remotely sensed soil moisture products, the validation of different satellite soil moisture datasets and their use for scientific research or operational applications. Potential topics include but are not limited to the following:

- Validation and evaluation of remotely sensed soil moisture products
- Applications of remotely sensed soil moisture data including hydrologic and land surface modeling, data assimilation, Deep learning and Machine Learning, agricultural drought monitoring, flood forecasting, and irrigation management
- Downscaling and fusion of remotely sensed soil moisture data

Guest Editor

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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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