



Microwave Remote Sensing of Soil Moisture

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Message from the Guest Editors

Soil moisture is well recognized as a pivotal parameter to link the water, energy, and carbon cycles. Active and passive microwave remote sensing has been well-recognized as the most promising means to infer soil moisture spatially and temporally.

Over the past several decades, great progress has been made in microwave remote sensing of soil moisture. Several field or aircraft experiments have been organized to support the assessment and refinement of active and passive microwave soil moisture retrieval algorithms. This Special Issue aims to present the most advanced theories, models, algorithms, and products related to microwave remote sensing of soil moisture.

The topics of the Special Issue include, but are not limited to: 1) microwave remote sensing of soil moisture; 2) field or aircraft experiments and future satellite missions for soil moisture; 3) remotely sensed soil moisture products; 4) Development, calibration, or validation of the theoretical or semi-empirical forward models for soil moisture retrieval; 5) soil moisture retrieval algorithms; 6) spatial downscaling/upscaling methods and spatiotemporal fusion techniques; 7) application of soil moisture products.





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Message from the Editor-in-Chief

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