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Soil Moisture Remote Sensing Across Scales

Guest Editors:

Dr. Nemesio Rodriguez-Fernandez

Dr. Ahmad Al Bitar

Dr. Andreas Colliander

Dr. Tianjie Zhao

Deadline for manuscript submissions:
closed (31 August 2018)

Message from the Guest Editors

In this Special Issue, we welcome studies on remote sensing of soil moisture across different spatial and temporal scales. We also welcome studies addressing new missions. The studies can deal with the retrieval of soil moisture, the validation of remote sensing measurements and their use for scientific research or operational applications.

Potential topics include but are not limited to the following:

- Retrieval algorithms, in particular using multi-wavelength, active and passive data, both based on physical models and data-driven methods
- Downscaling satellite soil moisture merging data from sensors with different spatial resolutions
- Approaches for the harmonised processing of data coming from different sensors to construct longer, coherent, soil moisture records
- Validation of satellite soil moisture products, in particular using new techniques for up-scaling and new measurements.
- Applications of remotely sensed soil moisture data including data assimilation and disaster assessment

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Editor-in-Chief

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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 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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