

## Special Issue

# Soil Moisture Retrieval using Radar Remote Sensing Sensors

### Message from the Guest Editors

Soil moisture plays an essential role in the understanding of the continental water cycle. It is a key parameter in the separation of precipitation water between infiltration, runoff and evapotranspiration processes and in water management. In this context, active microwave remote sensing has shown a high potential to retrieve surface soil moisture through the use of SAR and other radar sensors (scatterometer, altimeter, GNSS-R, etc.). In the last few years, with the arrival of new sensors with important capacities in terms of spatial and temporal resolutions, it becomes possible to propose operational soil moisture products and to assimilate this parameter in water process modeling. This Special Issue has as principal objective to present the principal algorithms and methodologies around the use of active sensors (Sentinel1, Alos-2, TERRASAR-X, RADARSAT, ASCAT, CYGNSS, etc.) in the estimation and use of soil moisture.

### Guest Editors

Dr. Mehrez Zribi

CESBIO, University of Toulouse, CNRS/UT3/IRD/CNES/INRAE, 31400 Toulouse, France

Dr. Nicolas Baghdadi

French National Institute for Agriculture, Food, and Environment (INRAE), Maison de la Télédétection—UMR TETIS, 500 rue JF Breton, CEDEX 05, 34093 Montpellier, France

Dr. Clement Albergel

ESA - European Space Agency, Climate Office, Oxfordshire, UK

### Deadline for manuscript submissions

closed (31 December 2019)



## Remote Sensing

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*Remote Sensing*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)

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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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### Editor-in-Chief

Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

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