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Soil Moisture Retrieval using Radar Remote Sensing Sensors

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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.

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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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