Special Issue

GNSS-Reflectometry and Remote Sensing of Soil Moisture

Message from the Guest Editors

In many different scientific fields, the great significance of soil moisture content (SMC) is pointed out as an environmental factor for land surface dynamics monitoring, as regards such areas as evapotranspiration, droughts, floods, etc., while it simultaneously regulates energy and water exchange between the land and the atmosphere and other hydrological processes. Moreover, since SMC is coupled with other environmental variables, it is commonly used as the input parameter for many climate models. In agriculture, SMC is a crucial indicator of plant growth and crop yield.

In the last few decades, near-Earth satellites have provided an unprecedented opportunity to sense SMC from space using a wide diversity of techniques and sensors. An emerging and challenging technology based on the opportunity signal, GNSS Reflectometry (GNSS-R), has been exploited for SMC sensing.

This Special Issue aims to present the most recent advances, algorithms and methodologies of GNSS-Reflectometry and Remote Sensing for Soil Moisture Content retrieval.

Guest Editors

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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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