Special Issue

New Outstanding Results over Land from the SMOS Mission

Message from the Guest Editors

Monitoring surface soil moisture at a global scale has recently become possible thanks to microwave remote sensing. SMOS (Soil Moisture and Ocean Salinity) was the first dedicated soil moisture mission and it has been in orbit for eight years. The SMOS satellite was launched by the European Space Agency (ESA) in 2009, carrying a radiometer on board in the L-band frequency with a spatial resolution of ~43 km. Since then, soil moisture and vegetation optical depth (VOD) have been retrieved from multi-angular brightness temperature observations relying mainly on a radiative transfer model. This is a dedicated Special Issue on SMOS. We welcome studies on all subjects that are related to the SMOS satellite and its land products. Potential topics include, but are not limited to, the following:

- improvements in the soil moisture/VOD retrieval algorithms;
- evaluation/validation of the SMOS soil moisture and VOD products;
- SMOS synergy with other remote sensing observations or models simulations;
- SMOS soil moisture/VOD applications for agriculture, hydrology, etc.

Dr. Amen Al-Yaari

Guest Editors

Dr. Amen Al-Yaari

INRA Bordeaux-Aquitaine, Villenave-d'Ornon, France

Dr. Arnaud Mialon

CESBIO, CNES/CNRS/IRD/UPS, UMR 5126, 31401 Toulouse, CEDEX 9, France

Deadline for manuscript submissions

closed (30 June 2020)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/16099

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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.

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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