Special Issue

Remote Sensing for Crop Water Stress Detection and Irrigation Management

Message from the Guest Editors

Due to population growth and increasing food demands, irrigated agriculture will increasingly take place under water scarcity. Thus, management techniques that can produce 'more crop per drop' will assume increased importance. Remote sensing data can be used to assess crop water status in the field, to estimate evapotranspiration, to delineate homogeneous management zones, and ultimately characterize and analyze them to produce application or prescription maps for variable rate irrigation. Remote sensing data provides a wide range of use levels, from mapping crop variability to measuring and mapping plant water status that supports irrigation actions that would have positive influence on irrigation water productivity and/or harvest outcome.

Prof. George Vellidis

Guest Editors

Dr. Yafit Cohen

Agricultural Engineering Institute, Agricultural Research Organization (ARO), Volcani Center, Rishon-Le-Zion, Israel

Dr. Carlos Ballester Lurbe

Centre for Regional & Rural Futures (CeRRF), Faculty of Science Engineering & Built Environment, Deakin University, Hanwood, NSW 2680, Australia

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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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