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Remote Sensing for Crop Water Stress Detection and Irrigation Management

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

Deadline for manuscript submissions:
closed (15 June 2021)

Message from the Guest Editors

Dear Colleagues,

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.

Dr. Yafit Cohen
Prof. George Vellidis
Dr. Carlos Ballester Lurbe
Guest Editor

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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

Message from the Editor-in-Chief

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Contact Us

Remote Sensing Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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remotesensing@mdpi.com
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