

Special Issue

Hyperspectral Imaging for Precision Farming

Message from the Guest Editors

To increase benefits, more detailed information on growth processes, drought stress, and diseases is highly wanted. Hyperspectral imaging can provide such additional information as subtle changes in crops are often revealed in through spectral content, giving early indications of important processes. Imaging spectroscopy technology has evolved fast, with ever smaller and lighter spectral cameras becoming available. Today, miniature imagers carried by drones allow for regularly monitoring fields and capturing imagery with information at the desired high spatial and spectral detail. Temporal flexibility allows bridging of the gap between information needs and data availability for precision farming. Combining existing sensors and technologies with crop growth models enables us to issue yield forecasts at a range of spatial scales. This Special Issue aims to publish a collection of investigations into and developments of novel hyperspectral sensors and methods to analyze the images thereof for precision farming applications, including on time series analysis, multiresolution spatiotemporal data fusion, unmixing, inverse modeling, and data assimilation. <https://www.mdpi.com/si/70308>

Guest Editors

Dr. Stephanie Delalieux

Remote Sensing Department, Flemish Institute for Technological Research (VITO-TAP), 2400 Mol, Belgium

Dr. Stefan Livens

Flemish Institute for Technological Research, Center for Remote Sensing and Earth Observation Processes (VITO-TAP), 2400 Mol, Belgium

Deadline for manuscript submissions

closed (10 May 2022)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 8.6



mdpi.com/si/70308

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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