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Remote Sensing for Biophysical and Biochemical Property of Crops and Natural Vegetation

Guest Editors:

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Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editors

The Special Issue **Remote Sensing for Biophysical and Biochemical Properties of Crops** is intended to bring together a wide range of contributions from different scales (from leaf level to landscape level) and different EO sensors (active and passive sensors).

Specific topics for this Special Issue include but are not limited to the following:

- Physical radiative transfer modeling
- Statistical modeling and machine learning
- Vegetation indices and other spectral transformations
- Applicability of different active and passive EO sensors (including SAR, optical and thermal)
- Multi-sensor synergies
- Applications at different scales of proximal and remote sensing (including phenotyping platforms, drones and satellite-borne data)
- Phenology, time series and gap-filling
- Synergies of remote sensing, GIS, and crop growth models
- Downscaling and upscaling of biophysical parameters
- Uncertainty assessment of remotely sensed data
- Uncertainty assessment of ground validation data (including quantified uncertainty assessment protocols for upscaling of biophysical trait measurements to sensor pixel size)

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Special Issue

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Editor-in-Chief

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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.

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