Special Issue

Crop Parameters Quantitative Retrieval and Monitoring with Remote Sensing

Message from the Guest Editors

The distribution of crop areas and crop growth status are of great importance to decision support in crop production management practices for sustainable agriculture development and global food security. Today, remote sensing has been extensively used to monitor agricultural fields for crop field mapping, real-time estimation of crop growth status, determination of crop phenology, and crop yield estimation or forecasting. Various quantitative retrievals with remote sensing approaches can be used to improve crop monitoring and yield forecasting. Advanced algorithms can be developed for improved crop classification (e.g., long-term and high-resolution crop maps for maize and soybean), time series fitting for phenology detection, and crop growth parameter estimation. Applications can be at the global, national, regional, farm or field level, such as county-level yield prediction under conditions such as urbanization, climate change, and agricultural emissions, which can be conducted by quantitative remote sensing in crop growth models.

Guest Editors

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Deadline for manuscript submissions

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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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