Special Issue

Application of Remote Sensing Images for Monitoring Crops

Message from the Guest Editors

Remote sensing plays a key role in crop area estimation, crop growth monitoring, soil moisture and fertility evaluation, crop stress detection, disease and pest diagnosis, yield estimation, greenhouse gas emission, etc. Recent progress in the development of observation methods for sun-induced chlorophyll fluorescence, radar, and GNSS (Global Navigation Satellite System) signals; the emergence of remote sensing platforms, including UAVs (Unmanned Aerial Vehicles) and IoT (Internet of Things); and the development of data processing methods, including big data analysis, deep learning, and artificial intelligence (AI), have led to the application of high-precision, real-time, and intelligent remote sensing methods for crop monitoring. This Special Issue aims to present new and innovative applications of remote sensing data, collected using a broad range of platforms and sensors, and to highlight novel mechanisms and data-driven methods for measuring key crop parameters.

- remote sensing
- crop monitoring
- new and innovative applications
- novel mechanisms and data-driven methods
- data from new platforms and sensors

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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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