

Special Issue

Remote Sensing of Plants, Soil, and Atmosphere for Agricultural Monitoring

Message from the Guest Editors

Improving food security is crucial as the world population continues to grow, and climatic changes' future impact on agriculture is still unknown. New and innovative methods are required to increase crop yields and improve agricultural sustainability. One of the main challenges in our era, marked by increasing data accessibility, is gathering important information that farmers and stakeholders can leverage to upgrade their agricultural management practices. For the past few decades, agrarian monitoring using remote sensing has been a practice that enriches agriculture, helping to increase crop yields while reducing agriculture's burden on the environment, and agricultural monitoring using remote sensing is continually being improved concomitantly. The SI will concentrate on the contribution of newer satellites, e.g., Sentinel and TROPOMI. We will consider research papers demonstrating how these new sensors improve plant biotic and abiotic stress detection, crop growth and yield predictions, and agricultural nutrient tracking and papers that present innovative uses of these satellites to enhance management practices.

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