



Remote Sensing in Ecophysiological and Agricultural Applications

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Deadline for manuscript
submissions:

closed (20 August 2023)

Message from the Guest Editors

Dear Colleagues,

With a growing global population, sustainable agriculture becomes more and more important. While dealing with climate variability and change, how to produce more food of higher quality with limited resources is a great challenge. Therefore, information on the ecological and physiological (Ecophysiological) status of crops would be essential for crop growth diagnostics and yield prediction.

In this context, to fulfill these demands, there have been significant improvements in assessing plant Ecophysiology technologies. The developments in remote sensing, such as using ground-based, airborne, and satellite platforms, are providing new insight and capabilities for understanding vegetation and ecosystem properties, dynamics, and functional processes. Meanwhile, global observations span multiple spectral ranges (visible, near-infrared, thermal, microwave, etc.), enabling more precise documentation and a new understanding of vegetation changes and their environmental controls.





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