Hyperspectral Remote Sensing of Vegetation Functions

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Message from the Guest Editors

This Special Issue is, thus, calling for state-of-the-art studies on processing and analyzing hyperspectral information acquired from different platforms (leaf spectroscopy, tower-based proximal remote sensing, UAV mounts, airplane/satellite-borne devices), with the target fof clarifying the underlying physical and physiological mechanisms and for accurately tracking the dynamics of vegetation functions.

Special focus will be placed on, but is not limited to:

- Novel techniques (statistical/RTM/machine-learning or deep-learning) for retrieving and tracing vegetation functions (especially ecophysiological processes) from hyperspectral data.
- Novel research on clarifying the physical and physiological bases of hyperspectral information using field monitoring, laboratory-controlled experiments, or RTM simulation datasets.
- Insightful research on upscaling/downscaling mechanisms of the relationships between hyperspectral information and vegetation functions from leaf to canopy and plot levels.

Special Issue

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Message from the Editor-in-Chief

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