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Special Issue

Solar-induced fluorescence: From the leaf to beyond the canopy

Reliable and scalable values of gross primary productivity remain a goal and a challenge for plant biologists, ecosystem ecologists, remote sensing scientists, and biosphere modelers. Solar-induced fluorescence (SIF), a detectable by-product of photosynthesis that can be measured at the leaf, canopy, and landscape scales, continues to gain traction as a leading tool for real-time quantification of terrestrial carbon cycling.

In this issue, we invite research that integrates SIF as a variable to approach questions about ecosystem changes and responses to the environment, including phenology, stress, warming, and community structure.

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visit ***buckleylab.ucdavis.edu/aobp/si/solar-induced-fluorescence*** *or email* ***mheskel@macalester.edu*** *for more info*

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