



Remote Sensing for Surface Biophysical Parameter Retrieval

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Message from the Guest Editors

Surface biophysical parameters across leaf (e.g., leaf chlorophyll nitrogen and water contents, leaf mass per area, and leaf inclination angle), canopy (e.g., canopy leaf area index, height and biomass, and tree crown area, and diameter at breast height), and landscape (e.g., surface albedo, temperature, and radiative budget) scales are crucial for modeling terrestrial processes, monitoring agricultural ecosystems, and quantifying many human–environment interactions. Remote sensing has become the mainstream technology for retrieving and mapping large-scale and long-term biophysical surface parameters. Their successful retrievals using remote sensing rely on accurate physical models, robust retrieval approaches, high-quality data observations, and reliable validation strategies. Therefore, advances are needed to better monitor the biophysical surface parameters, and to also improve our understanding and modeling of terrestrial ecosystems processes and human–nature relationships.

This Special Issue aims to report on the state-of-the-art in the monitoring of biophysical surface parameters with remote sensing. Related articles are welcome.





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Message from the Editor-in-Chief

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