Special Issue

Remote Sensing for Surface Biophysical Parameter Retrieval

Message from the Guest Editors

Surface biophysical parameters across leave (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.

Guest Editors

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Message from the Editorial Board

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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