



Optical Data for Assessing Carbon Dynamics and Biodiversity of Forests

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Message from the Guest Editor

Dear Colleagues,

Forests play a crucial role in sustainable development, ensuring human well-being, a healthy environment, and economic development. Forests produce a large set of ecosystem services which potentially support a green economy, climate change mitigation, biodiversity conservation, and enhancing water quality and combating desertification.

This Special Issue of *Remote Sensing* is intended to examine the state-of-art in more recent advancements in optical remote sensing (alone or in combination with other sensors) for assessing spatial and temporal dynamics of carbon stocks and sequestration, as well as biodiversity trends in forest ecosystems. We are focused on contributions based on the integration between remotely sensed and field data for estimating forest variables or for feeding ecosystem modeling, as well as for advancements in forest mapping issues. Applications must be based on innovative approaches and rigorous statistical methods and should be based, as far as possible, on large datasets. A theme of special interest is the analysis of temporal dynamics.

Prof. Gherardo Chirici
Guest Editor





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Message from the Editor-in-Chief

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