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Remote Sensing for Estimating Leaf Chlorophyll Content in Plants

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Message from the Guest Editors

Dear colleagues,

Quantifying chlorophyll content in plants from local to global scales is vital for forest management and precision agriculture as well as for understanding ecohydrology, plant carbon budget, and the response of plants to climate change and other stress conditions across diverse plant ecosystems. Remote sensing offers a means of monitoring and mapping plant chlorophyll content over large geographical areas at various spatial and temporal scales.

With this Special Issue, we will compiled state-of-art research to address various remote sensing and modeling techniques for the retrieval of leaf and canopy chlorophyll content across various ecosystems. We welcome papers that address chlorophyll content retrieval methods using non-parametric regression models, such as machine learning and AI; understanding the link between 3D plant structural parameters and chlorophyll content quantification; real-time estimation of chlorophyll content; leaf and canopy level chlorophyll content retrieval using radiative transfer models; remote sensing data and model fusion to overcome challenges of mapping chlorophyll content.

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Message from the Editor-in-Chief

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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