Special Issue

Recent Advances in Satellite Data and In-Situ Measurements of Chlorophyll Fluorescence

Message from the Guest Editor

This Special Issue invites contributions on methods, technologies, and products related to chlorophyll fluorescence(*f*chl), including the use of satellite data and in-situ measurement for retrieving vegetation parameters, monitoring Carbon-Nitrogen cycles, and estimating global climate changes, among others. We also welcome discussions on the processing and applications of *f*chl data in contexts such as drought management, smart city initiatives, and ecological remediation in vulnerable areas (e.g., mining sites, disaster-hit regions). Additionally, we encourage submissions focused on the design of related hardware and retrieval algorithms for in-situ, airborne, and space-based sensors that collect *f*chl data. Approaches that involve data fusion and assimilation, including the integration of reflectance spectra for innovative applications and achieving higher temporal and spatial resolution in *f*chl data, are also encouraged. In summary, we invite submissions exploring cutting-edge research and recent advances in Satellite Data and in-situ Measurements of *f*chl in this Special Issue.

Guest Editor

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Deadline for manuscript submissions

31 August 2025

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/230371

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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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