

## 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 (fchl), 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 fchl 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 fchl 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 fchl data, are also encouraged. In summary, we invite submissions exploring cutting-edge research and recent advances in Satellite Data and in-situ Measurements of fchl in this Special Issue.

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### Guest Editor

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### Deadline for manuscript submissions

30 August 2026



## Remote Sensing

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*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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