Special Issue

Recent Progress on Best Practice Protocols for Vegetation-Oriented Sensors Characterization, Calibration and Validation

Message from the Guest Editors

This Special Issue is linked to the COST Action "Optical synergies for spatiotemporal SENsing of Scalable ECOphysiological traits" (SENSECO) WG4 activities, and its purpose is to collect all procedures that could assist in preparation of achieving “FRM4FLEX”-like status for products of the local, regional and global vegetation photosynthetic activity. Any works on topics including, but not limited to the following, are welcome:

- Novel vegetation-oriented spectroradiometer development and improvement, including their calibration and characterization
- Best practice for traceable laboratory characterization, calibration and validation of optical sensors used in field measurements for vegetation photosynthetic activity monitoring
- Comparisons including calibration sources, laboratory and in situ-based vegetation sensors measurements
- SI traceability and end-to-end uncertainty budgets—from calibration to field measurements
- Methods showing how data from multiple sensors can be combined to provide a correct overview of vegetation photosynthetic activity at local, regional or global scale

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2023)

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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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