



Leaf Area Index (LAI) Retrieval using Remote Sensing

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Deadline for manuscript
submissions:

closed (15 February 2019)

Message from the Guest Editors

Dear Colleagues,

Leaf area index (LAI) is the key biophysical variable influencing land surface photosynthesis, energy balance, and transpiration, and it is closely related to the net primary production of terrestrial ecosystems. Since green leaves play a critical role in controlling many physical and biological processes of plant canopies, LAI, being the key structural characteristic of vegetation, is also widely used as an indication of vegetation status.

Remote sensing has played an imperative role in obtaining LAI estimates for its rapid, cost-effective, reliable, and objective estimation. A large number of relationships have been discovered between remote sensing data obtained from optical, thermal, LiDAR, and radar sensors at laboratory, field, airborne, or satellite levels, utilizing various physical or empirical models.

This Special Issue, "Leaf Area Index (LAI) Retrieval using Remote Sensing", is calling for papers that demonstrate original research that can overcome or address the above challenges and gaps and develop corresponding solutions, in particular using remote sensing recent advances.

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Guest Editors





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