



Vegetation Structure Monitoring with Multi-Source Remote Sensing Data

Guest Editors:

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Message from the Guest Editors

Dear Colleagues,

Vegetation structure (e.g., leaf area index/density, foliar incline angle, fraction of cover, clumping, plant height, biomass) can directly influence photosynthesis, canopy energy balance, and water balance. Thus, vegetation structure monitoring at various scales ranging from individual plant to landscape is crucial to understand ecosystem functioning. Potential topics for this Special Issue may include, but are not limited to:

Deadline for manuscript
submissions:

closed (31 March 2024)

- Vegetation structure retrieval from single/multiple remote sensing, including low/medium/high/ultra-high spatial resolution multi-spectral/hyperspectral, LiDAR, RADAR, and other new sensors, based on terrestrial, UAV, airborne, and spaceborne platforms.
- Novel data integration/fusion of spectral, stereogrametry, LiDAR, or RADAR data acquired from different platforms.
- Radiative transfer model development/improvement considering vegetation structure influence.
- Comparison and evaluation of different remote techniques for vegetation structure studies.
- New operational vegetation structure product development or the evaluation of uncertainty in current products.





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