



Applications of Remote Sensing in Ecosystem Functioning and Biodiversity Monitoring

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Deadline for manuscript
submissions:
closed (10 January 2025)

Message from the Guest Editors

Remote sensing has emerged as a valuable tool for monitoring ecosystem functioning and biodiversity. Remote sensing enables the quantification and monitoring of various ecosystem properties, attributes, and functions, including primary productivity, carbon dynamics, water availability, and nutrient cycling at various spatial and temporal scales.

We welcome studies that combine remote sensing products of surface energy balance and nutrient cycles with innovative techniques to assess and understand ecosystem functioning at different spatial and time scales. We strongly encourage submissions that utilize high-temporal-resolution data to effectively map and monitor seasonal dynamics and interannual changes across multiple dimensions of ecosystem functioning and biodiversity. This can involve comprehensive assessments of land cover and vegetation dynamics at intra- and inter-annual scales, quantification of alterations in surface energy and water balance, analysis of nutrient cycling patterns, and exploration of their influences on various aspects of biodiversity, including phenology and seasonality at the species, population, and community levels.





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Message from the Editorial Board

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