

Special Issue

Applications of Remote Sensing in Ecosystem Functioning and Biodiversity Monitoring

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.

Guest Editors

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Deadline for manuscript submissions

closed (10 January 2025)



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About the Journal

Message from the Editorial Board

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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