Special Issue

Application of Remote Sensing in Forest Ecosystem Functioning and Services

Message from the Guest Editors

Forests are the ecosystem upon which life unfolds, and many of its ecological processes operate to provide a wealth of services essential for both humanity and the environment. These services encompass provisioning services (timber and non-timber products), regulating services (e.g., carbon sequestration, water flow regulation, soil erosion, and flood mitigation), supporting services (such as biodiversity and pollination), and cultural services (e.g., recreation, tourism, and spiritual enrichment). Understanding forest ecosystem functioning, including carbon, water, and nutrient cycling, and the cascading effects on the myriad services they provide, is paramount for effective conservation and restoration efforts. Remote sensing has emerged as a powerful tool for studying forest ecosystems and the services they offer. The ever-growing volume of "big data" collected from satellites, airplanes, and drones presents a remarkable opportunity to quantify forest structure, functions, services, and their dynamic responses to natural and human-induced disturbances at various scales, from individual forest stands to landscapes, regions, and the entire globe.

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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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