

Special Issue

Monitoring Forest Change Dynamic with Remote Sensing

Message from the Guest Editors

Forests are home to the majority of the species on Earth and deliver key ecological services, such as producing timber, storing carbon, and regulating the climate. To preserve these services, along with the biodiversity supported by the natural habitats provided, understanding the dynamics associated with the degradation and preservation of forests is of utmost importance. We need to be able to assess, monitor, and model the dynamics of changes in vegetated areas, considering both disturbance and degeneration, as well as succession and regeneration processes. In this Special Issue, we invite the submission of papers that approach all aspects of forest dynamics assessed with remote sensing systems and respective processing techniques, including, but not limited to:

- Ecosystem and vegetation dynamics: disturbance and recovery, ecosystem fragmentation, forest degradation, regeneration, and changes in the composition of species and vulnerability;
- Biogeophysics changes: energy, biomass, carbon fluxes, and water resources;
- Anthropogenic pressures: deforestation, illegal logging and mining, agricultural and livestock farming, shifting cultivation, and urban sprawl.

Guest Editors

Prof. Dr. Gilson Alexandre Ostwald Pedro da Costa

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Deadline for manuscript submissions

closed (31 December 2024)



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About the Journal

Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).