Monitoring Forest Change Dynamic with Remote Sensing

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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.

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Message from the Editorial Board

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