



Forest Dynamics under Climate and Land Use Change

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Message from the Guest Editors

In the context of accelerating climate change and intensifying land use pressures, understanding forest dynamics has never been more critical. The interactions between climate change and land use change create complex feedback loops, complicating forest management and conservation strategies. Adaptive management approaches that incorporate predictive modeling and real-time monitoring are essential for mitigating these adverse effects and enhancing the resilience of forest ecosystems. Hence, there is a need for integrated policies that address both climate and land use impacts to sustain and restore forest ecosystems in the face of environmental change.

Potential topics include, but are not limited to:

The impacts of climate and land use change on forest functioning;

The responses of vegetation, soil, and epigeal fauna;

The resistance and resilience of forest ecosystems to global changes;

The modeling of future scenarios of forest changes under different climate and land use transformations;

The restoration of forest ecosystems.





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