



## Forest Stand Dynamics and Its Applications

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### Message from the Guest Editor

Forests change continuously, interacting with disturbances and the surrounding environment. Past species composition, stand age, and disturbance history result in current forest structure. Stand structure and disturbance affect each other, determining stand development and subsequent structure. The rate and amount of stand changes are affected by growth rates of trees, species composition, species life history traits, stand structure, disturbance, and the environment supporting forest ecosystem, and are key issues for forest management.

Forest stand dynamics focuses on changes in forest stand structure with time, including stand behavior during and after disturbance. Information on current stand structure, the rate and amount of stand changes, and disturbance regime help to predict stand conditions and ecosystem structure, and lead to better silvicultural regimes for forest management goals. Forests should be managed based on an understanding of the ecological characteristics of stands and forest stand dynamics. This Special Issue focuses on research and findings on changes in species composition and stand structure, as well as ways to use the forest stand dynamics information.





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## Message from the Editor-in-Chief

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