



Impact of Pests, Climate and Other Factors on Forest Health

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Message from the Guest Editor

The impact of climate on forest health is of growing interest globally as weather continues to be erratic and more and more of a challenge to traditional forest management strategies. To assist in engaging these and other impact factors while instituting enhanced forest management practices we need today to embrace technological innovation and data-driven analytics and metrics. Technological advances offer tools that can assist in such fields as insect molecular diagnostics, tracking pests and disease spread, remote sensing and the ability to plan and deploy strategies effectively. A multidisciplinary approach will help improve tree canopy health and ultimately deliver on tree species richness, enhanced stewardship, biodiversity and resiliency of Forests.

Biology and ecology of forest pests both traditional and invasive, treatment of insects and diseases that impact forest health. New technology that helps guide forestry practices. Forestry tree canopy health assessments and mapping using remote sensing and other artificial intelligence.





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