Long-Term Impacts of Climate Change on Forest Health

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Message from the Guest Editor

Human-induced climate change poses a considerable threat to the health of forest ecosystems throughout the world. Shifting climate patterns including, but not limited to, elevated temperatures, prolonged drought, changes in snow pack, and an increased frequency of extreme weather events have been shown to influence forest growth rates, key ecosystem processes, natural regeneration, and the activity of pests and disease agents. Many different types of models have been employed to examine the potential impacts of alternative climate change scenarios on forest growth dynamics, natural disturbance agents, and the use of different adaptation strategies. We encourage studies from all fields and employing different tools including monitoring, experimental management trials, and modelling to contribute to this Special Issue to promote a better understanding of the long-term impacts of climate change on forest health and to develop effective adaptation strategies to maintain forest health and the flow of ecosystem services.

Special Issue

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