How Will Anthropogenic Disturbances Shape Forest Management?

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Message from the Guest Editor

Forests are now prone to more novel and pervasive disturbances, such as anthropogenic climate change, nitrogen saturation, increasingly intense wildfires, and invasive pests and pathogens. These disturbances may reduce the supply of forest products needed for a growing human population, threaten vital ecological services provided by forests, and put the enormous biodiversity of forests at risk. Forest managers have typically been as resilient as the forests they manage. There are many tools available, including the establishment of more species-diverse forests, assisted migration, silvicultural treatments to reduce the risk of fire and pest outbreaks, biological pest and pathogen controls, and genetic engineering of tree species. I hope that this Special Issue will attract forest scientists from all fields of study who can document the threats to forests from current anthropogenic disturbances, model the possible outcomes, and, most importantly, propose novel solutions for forest management to mitigate the negative impact of these disturbances and preserve the ecological integrity of forests.

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Special Issue

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