



## Quantitative Forest Management to Build Adaptive Capacity against Climate Change and Forest Disturbances

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Deadline for manuscript submissions:

**closed (25 April 2019)**

### Message from the Guest Editor

The productivity and health of forest ecosystems in the 21st century will be threatened by the direct effects of climate change. Furthermore, climate change is also expected to increase the incidences and severity of disturbance agents, which in turn can reduce tree productivity and increase tree mortality in forests. It is unclear whether different tree populations will be able to cope with environmental change, and there is growing concern that the unprecedented rate of climate change will very likely exceed the ecological, adaptive capacity of many tree species. It is essential to address these environmental challenges in a proactive manner by identifying effective forest management practices that have the capacity to promote resiliency to environmental change. Effective adaptation to climate change and pressing forest health disturbances also requires effective methods of long-term monitoring and early detection of these concerns. This Special Issue welcomes studies that utilize quantitative monitoring and modelling approaches to examine how forest management practices can help build adaptive capacity against the interactive impacts of climate change and forest disturbances.





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