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Impact of Climate Warming and Disturbances on Forest Ecosystems

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Message from the Guest Editors

Forests play a critical role in providing various ecosystem services that contribute to the well-being of society. However, the structure, functionality, and capacity of forests to provide these services are being significantly affected by ongoing climate changes, particularly increases in temperature and frequency of extreme events, followed by associated disturbances. However, global climate change is affecting disturbance regimes and the adaptive capacity of forests at an accelerating rate. In addition, the response of forest ecosystems to climate change and associated disturbances is influenced by the legacy of past management, a poorly studied factor. Therefore, understanding the response of forests to climate warming and the effects of past management will help project how forests will respond to future disturbances and provide guidance for developing future management strategies. In this Special Issue, we encourage contributions from around of world which investigated the forest response to climate changes using methodological approaches from different ecological fields (i. e., dendroecology, wood anatomy, disturbance ecology, silviculture).



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Special Issue



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