

## Special Issue

# Ecosystem-Disturbance Interactions in Forests

### Message from the Guest Editors

In the past few years, major disturbances due to wind, snow pressure, avalanches, fire, and insect outbreaks have occurred in forests worldwide. Increasing the complexity of the problem, these disturbances are projected to increase in intensity and frequency, interact, and fuel further destructive impact on ecosystems. Forest ecosystems respond to disturbance events and legacies at different timescales in different ways. With this Special Issue, we call for research that investigates the system properties and their link to disturbance–structure interactions. A quantification of the structural and functional components related to the disturbance impact and the recovery process from stand- to landscape-scale is necessary to understand these natural processes and to design and implement adaptive management and enhance the restoration and resilience of forest systems. **Keywords**

disturbance event  
ecosystem properties  
ecosystem recovery  
forest management  
forest restoration  
insect outbreak  
pathogens  
tree composition  
vegetation structure  
weather conditions

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### Guest Editors

Prof. Dr. Camilla Wellstein

Prof. Dr. Roberto Tognetti

Dr. Daniel Scherrer

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### Deadline for manuscript submissions

closed (31 July 2025)



## Forests

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### Editor-in-Chief

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