



## Past Environmental Changes and Forest Conservation

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### Message from the Guest Editors

Forest managers, biological conservationists, and policymakers need scientific-based solutions to mitigate the threat of species in the current context. The need to develop multidisciplinary and multiscale approaches with an integration of both present-day observations and a historical perspective must also be stressed. Modern population genetics can evaluate species diversity and potential adaptation. Palaeoecological time series may inform us about past species occurrences and range changes, their migration rates and routes, and their potential resilience to past climate changes and disturbance regimes. Vegetation models allow us to predict potentially suitable habitats for threatened individual species and populations.

This Special Issue will demonstrate how palaeoecology, modern genetics, and modeling may act together to evaluate the environmental threats on forests and how they may contribute to the long-term conservation strategies.

### Keywords:

- forest conservation and ecology
- palaeoecology
- phylogeography
- vegetation modeling
- biogeography
- trees genetics
- disturbance regimes
- resilience





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