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Impact of Global Change on Insect Biodiversity in Forests

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Message from the Guest Editors

Global change strongly influence native and also production forests. The result is deforestation or changes in the dynamics and structure of forests. Therefore, there is not only a change in environmental conditions but also in insect communities. An insect can be affected directly or indirectly (through environmental conditions, food webs, etc). Insects are an indispensable component of forest ecosystems, and their biodiversity is most important not only for ecosystem functioning, but also for wood production. Therefore, the recent, rapidly growing extinction rates of insects are most definitely alarming. Changes in the abundance or distribution of insect taxa lead to changes in community composition and diversity not only at local but also at wider geographical scales, with implications for ecosystem processes. For these reasons, it is essential to gain sufficient knowledge about the changes in insect biodiversity driven by global change.

This Special Issue is focused on insect biodiversity in forests under global change. Research articles may focus on the occurrence and population dynamics of individual species or multitaxa studies, in dependence on environmental changes.











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