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# Interactions between Beetles, Microhabitats and Forest Structure

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Dear Colleagues,

Ecological indicators (e.g.,beetles,microhabitats and forest structure) are a substantial component of forests playing a central role in many ecosystem processes.

In European forests, recent studies have confirmed the positive effect of the heterogeneity in types and frequencies of microhabitats on biodiversity indicators, but have also highlighted the link between the complexity of forest stands and the abundance and diversity of beetle species.

Moreover, the use of deadwood as an indicator of biodiversity requires a deeper evaluation of the relationships between wood characteristics and beetle habitat preferences.

This aspect deserves to be regarded as a major target in sustainable forest management plans, especially in mountain areas, where the conservation of threatened species and the promotion of biodiverse forests are considered a priority.

For this reason, we invite contributions that focus their attention on the ecological relationships between biodiversity indicators and forest structure in managed and unmanaged forests, presenting evidence of case studies of European forests representing different ecological groups and types of conservation areas in the frameworks of forest management.

**Keywords:**
- Biodiversity Indicators; Forest Monitoring; Forest Heterogeneity;
- Managed and Unmanaged Forests; Microhabitat; Old-growth Forest

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