Short Note

## Resistance of *Pinus leucodermis* heartwood and sapwood against the brown-rot fungus *Coniophora puteana*

Running title: Decay resistance of Pinus leucodermis wood

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## Abstract

This study assessed the decay resistance of *Pinus leucodermis* wood to the brown-rot fungus *Coniophora puteana*. Based upon the average weight losses of 30.65% for heartwood and of 34.68% for sapwood obtained in the biological tests, both the heartwood and sapwood material examined was classified as not durable (durability class 5) according to the CEN/TS 15083-1 classification. Total extractives were low, 3.93% in heartwood and 1.00% in sapwood, while lignin content was 22.60 and 25.41% in heartwood and sapwood, respectively. It is highly recommended to use protective treatments before using *Pinus leucodermis* wood in outdoor conditions.

Keywords: Pinus leucodermis wood, decay resistance, brown-rot, Coniophora puteana.