

Outlineoffungi.org - Note 982 *Nothofagiporus*

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Nothofagiporus B.K. Cui & Shun Liu

Nothofagiporus, a monotypic genus, was introduced by Liu et al. (2023) to accommodate *N. venatus* as the type species, based on morphology and phylogenetic analysis of ITS, LSU, SSU, mtSSU, *tef1*, *rpb1*, and *rpb2* sequence data. *Nothofagiporus* was isolated from a fallen branch of *Nothofagus cunninghamii* in Australia and it is causing a brown rot. The genus is characterized by annual pileate basidiomata, with abundant strands of dark vinaceous to blackish hairs on the pilear surface. The pore surface is white to buff with angular pores. Context is white and tubes are concolorous with pore surface. The hyphal system is monomitic and generative hyphae clamped. Cystidia are absent and cystidioles are present. Basidiospores are allantoid, hyaline, thin- to slightly thick-walled, and smooth. Phylogenetically, *Nothofagiporus* is closely related to *Aurantipostia*, *Cyanosporus*, and *Postia* but differs from them by minor macromorphological characteristics. The taxonomic placement of *Nothofagiporus* is in *Postiaceae*, *Polyporales*, *Agaricomycetes*, and *Basidiomycota*.

Reference

Liu S, Chen YY, Sun, YF. He XL et al. 2023 – Systematic classification and phylogenetic relationships of the brown-rot fungi within the *Polyporales*. *Fungal Diversity* 118, 1–94.

Entry by

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