

Outlineoffungi.org - Note 716 *Penttilamyces*

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Penttilamyces Zmitr., Kalinovskaya & Myasnikov

This is a resupinate/corticoid genus with species usually grow on dead wood (primarily of conifers, though sometimes other trees such as birch), causing a brown rot, or are lichenicolous ([Zmitrovich et al. 2019](#)). Species of this genus are growing on coniferous wood of various conditions or lichens thalli, causes a brown rot of the wood ([Zmitrovich et al. 2019](#)). [Zmitrovich et al. \(2019\)](#) accepted *Penttilamyces* in *Coniophoraceae* (*Boletales*, *Agaricomycetes*, *Basidiomycota*) based on morphological data. While the protologue presents little to no direct genetic evidence to support the genus, publicly available sequences of *rpb2*, *tefl* and various rDNA loci suggest a close relationship between the constituent species. The type species is *Penttilamyces romellii* (Ginns) Zmitr., Kalinovskaya & Myasnikov. (basionym: *Leucogyrophana romellii* Ginns). Another species previously in *Leucogyrophana*, *L. lichenicola* Thorn, Malloch & Ginns, was also moved to *Penttilamyces* by [Zmitrovich et al. \(2019\)](#). Currently there are three species in this genus. *Penttilamyces* is characterized by annual, resupinate, orbicular basidiomata adhering the substrate with byssoid margin and subiculum, a ceraceous meruloid (or almost even) field of apricot-ochraceous or olivaceous hymenophore, monomitic hyphal system, nodose-septate hyphae, fusoid or hyphoid leptocystidia, utriculate, 4-spored basidia, basal clamp connection are present, basidiospores are ellipsoid-cylindric, with smooth one-layered brownish wall, CB+, strongly dextrinoid ([Zmitrovich et al. 2019](#)). The asexual morph is not known.

Reference

Zmitrovich IV, Kalinovskaya NI, Myasnikov AG. 2019 – Funga photographica - *Boletales* I: *Coniophoraceae*, *Hygrophoropsidaceae*, *Paxillaceae*, *Serpulaceae*, *Tapinellaceae* boreales. Folia Cryptogamica Petropolitana 7, 1–58.
https://www.researchgate.net/profile/Ivan-Zmitrovich/publication/336231221_Funga_photographica_Boletales_I_Coniophoraceae_Hygrophoropsidaceae_Paxillaceae_Serpulaceae_Tapinellaceae_boreales/links/5db9b595299bf1a47b01fdf2/Funga-photographica-Boletales-I-Coniophoraceae-Hygrophoropsidaceae-Paxillaceae-Serpulaceae-Tapinellaceae-boreales.pdf

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