

Outlineoffungi.org - Note 1043 *Nigrocarnea*

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Nigrocarnea Sparre P. & Læssøe

Nigrocarnea was erected by van de Peppel et al. (2022) as a monotypic genus to accommodate *N. radicata* as the type species, based on morphological characteristics and phylogenetic analysis of ITS, LSU, and *tef1α* sequence data. *Nigrocarnea radicata* was obtained from soil under *Fagaceae*-rich forest with *Quercus* and *Castanopsis* trees in Laos. *Nigrocarnea* differs from other genera within the termitomycetoid clade by producing dark-pigmented arthroconidia in the pileus context of the basidiome (van de Peppel et al. 2022). In the type species, basidiospores are ellipsoid and smooth. Basidia are clavate and 4-sterigmate. Hymenial cystidia and clamp connections are absent. The taxonomic placement of *Nigrocarnea* is in *Agaricales*, *Agaricomycetidae*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota*.

Reference

van de Peppel LJ, Aime MC, Læssøe T, Pedersen OS et al. 2022 – Four new genera and six new species of lyophylloid agarics (*Agaricales*, *Basidiomycota*) from three different continents. *Mycological Progress* 21(10), 85. <https://doi.org/10.1007/s11557-022-01836-7>

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