**Outlineoffungi.org - Note 1224 *Neohypochnicium***

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***Neohypochnicium*** N. Maek. & R. Sugaw.

Maekawa et al. (2023) established the novel genus *Neohypochnicium* within *Polyporales* (*Basidiomycota*) to accommodate the species remaining *Hypochnicium* sensu stricto. *Hypochnicium* is polyphyletic, with *Hypochnicium* s. str. containing species with smooth basidiospores, and *Neohypochnicium* comprising species with both smooth and ornamented basidiospores (Maekawa et al. 2023). *Neohypochnicium* is typified by *N. perlongicystidiosum* N. Maek., Kogi & Norikura, and was found on the dead ranches of Angiospermae in Japan. The new genus was established based on morphology and phylogeny (ITS and LSU sequence data). Morphologically, *Neohypochnicium* is characterized by resupinate, effused, and adnate basidiomata with a smooth to odontoid hymenial surface. *Neohypochnicium* has a monomitic hyphal system with clamp connections at all septa. Cystidia are often present, aseptate, thin to thick-walled, enclosed, or outgrowth beyond the hymenial surface. Basidia are subclavate to suburniform, bearing 4-sterigmata and a basal clamp. Basidiospores are ellipsoid to subglobose, smooth, finely verrucose or finely echinulate, thick-walled, cyanophilous, and inamyloid (Maekawa et al. 2023). Based on morphological and phylogenetic analysis of ITS and LSU sequence data, two new species and 15 new combinations (11 species with ornamented basidiospores and four with smooth basidiospores) are established in *Neohypochnicium* (Maekawa et al. 2023).

**Reference**

Maekawa N, Sugawara R, Kogi H, Norikura S et al. 2023 − *Hypochnicium* sensu lato (*Polyporales, Basidiomycota*) from Japan, with descriptions of a new genus and three new species Mycoscience 64(1), 19−34. https://doi.org/10.47371/mycosci.2022.10.001

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Published online 8 May 2024