

## Outlineoffungi.org - Note 655 *Nothocybe*

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*Nothocybe* Matheny & K.P.D. Latha, in Matheny, Hobbs & Esteve-Raventós

This is a monotypic, agaric genus with single species occurring under *Acacia* only found in tropical India ([Matheny et al. 2020](#)). Phylogenetic analyses based on ITS, LSU, *rpb1*, *rpb2*, *tef1* and SSU indicated its sister position with *Inocybe sensu stricto* ([Matheny et al. 2020](#)). The type species is *N. distincta* (K.P.D. Latha & Manim.) Matheny & K.P.D. Latha. Compared with other species of *Inocybaceae*, species in this genus are characterized by finely squamulose-rimulose pileus, fibrillose-pruinose stipe, phaseoliform to ovateelliptic basidiospores with occasional weak angular outline, cheilocystidia often septate and covered apically with a resinous substance and caulocystidia present (at stipe apex) as modified terminal cells of stipitipellis hyphae ([Matheny et al. 2020](#)). It shares high similarity with species of *Pseudosperma* (furfuraceous stipe surface, absence of metuloids, hyaline basidia, and smooth spores) but differs from these principally by the somewhat angular outline to the spores, a resinous substance on the cheilocystidia ([Matheny et al. 2020](#)). The asexual morph is unknown. *Nothocybe* is currently placed in *Inocybaceae*, *Agaricales*, *Agaricomycetes*, *Basidiomycota*.

### Reference

Matheny PB, Hobbs AM, Esteve-Raventós F. 2020 – Genera of *Inocybaceae*: new skin for the old ceremony. *Mycologia* 112(1), 83–120. <https://doi.org/10.1080/00275514.2019.1668906>

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