

## Outlineoffungi.org - Note 1236 *Neoveronaea*

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*Neoveronaea* L. Qiu, K. Zhang, R.F. Castañeda & Jian Ma

Qiu et al. (2023) introduced *Neoveronaea* within *Herpotrichiellaceae* (*Chaetothyriales*, *Eurotiomycetes*, *Ascomycota*) to accommodate *N. sinensis* L. Qiu, K. Zhang, R.F. Castañeda & Jian Ma, based on morphology and phylogenetic analysis. *Neoveronaea sinensis* is a saprobe that was isolated from dead branches on an unidentified angiosperm in China (Qiu et al. 2023). Only the asexual morph has been observed in this genus. *Neoveronaea* is characterized by macronematous, mononematous, erect or slightly flexuous, smooth, septate, cylindrical, and unbranched conidiophores that are brown to dark brown. The conidiogenous cells are polyblastic, integrated, terminated, and intercalary, sympodially extending with tiny denticles, and pale brown. Conidia are solitary, acropleuogenous, obovoid to ellipsoidal, smooth, euseptate, and pale brown with schizolytic conidial secession. According to the multigene phylogeny (ITS and LSU), *Neoveronaea* formed a separate clade in *Herpotrichiellaceae* sister to *Exophiala*, *Veronaea*, *Minimelanolocus*, and *Thysanorea* (Qiu et al. 2023). *Neoveronaea* resembles *Veronaea*, however, *Veronaea* differs from *Neoveronaea* by having cicatrized conidiogenous cells and faintly pigmented, flattened, and thin scars. *Neoveronaea* also shares similar conidial ontogeny with other genera in *Herpotrichiellaceae*, viz. *Dactylaria*, *Minimelanolocus*, *Pleurophragmium*, *Rhodoveronaea*, and *Veranaeopsis* (Qiu et al. 2023). However, *Minimelanolocus* differs from *Neoveronaea* by inconspicuous or slightly prominent, narrow, and opaque conidiogenous cells and refractive to somewhat obscure conidiogenous loci (Qiu et al. 2023). *Dactylaria*, *Pleurophragmium*, *Rhodoveronaea*, and *Veranaeopsis* differ from *Neoveronaea* by terminal conidiogenous cells with prominent denticles (Qiu et al. 2023).

### Reference

Qiu L, Liu JW, Zhang K, Castañeda-Ruiz RF et al. 2023 – *Neoveronaea sinensis* gen. & sp. nov. from Jiangxi, China. *Mycotaxon* 137(3), 485–493. <https://doi.org/10.5248/137.485>

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