

Outlineoffungi.org - Note 1362 *Heteroverticillium*

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Heteroverticillium S.L. Han, L. Cai & P. Zhao

Li et al. (2023) introduced a monotypic genus *Heteroverticillium* in *Nectriaceae* (*Hypocreales*, *Hypocreomycetidae*, *Sordariomycetes*) to accommodate a pathogenic species based on morphology and phylogenetic analyses. The genus was typified by *H. phytelephatis* S.L. Han, L. Cai & P. Zhao, isolated from infected nuts of *Phytelephas macrocarpa* intercepted at China Customs (Dalian). The genus is characterized by hyaline, smooth-walled, septate, branched hyphae with inconspicuously swollen septa. Conidiophores arise laterally from somatic hyphae and verticillately branching at 2–3 levels with a terminal whorl of 1–5 phialides and 1–2 lower nodes of 1–3 phialides, rarely with single phialides. The phialides are monophialide, subulate, smooth- and thin-walls with inconspicuous or absent periclinal thickening. The conidia are hyaline, smooth- and thin-walled, aseptate, ellipsoidal to slightly reniform (Li et al. 2023). Future research could focus on quarantining it from the customs, including collecting additional samples to comprehensively describe the diversity of *Heteroverticillium*.

Reference

Li X, Han, SL, Zhang YY, Cai L et al. 2023 – *Heteroverticillium phytelephatis* gen. et sp. nov. intercepted from nuts of *Phytelephas macrocarpa*, with an updated phylogenetic assessment of *Nectriaceae*. *Mycology* 14(3), 155–174.

Entry by

Yan-Xia Li, Innovative Institute for Plant Health/ Key Laboratory of Green Prevention and Control on Fruits and Vegetables in South China, Ministry of Agriculture and Rural Affairs, Zhongkai University of Agriculture and Engineering, Guangzhou, 510225, China.

Mingkwan Doilom, Innovative Institute for Plant Health/ Key Laboratory of Green Prevention and Control on Fruits and Vegetables in South China, Ministry of Agriculture and Rural Affairs, Zhongkai University of Agriculture and Engineering, Guangzhou, 510225, China.

(Edited by **Maryam Tavakol Noorabadi & Subodini N. Wijesinghe**)

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