

Outlineoffungi.org - Note 1446 *Neoporia*

Web-links: [Index Fungorum](#), [Facesoffungi](#), [Mycobank](#), [GenBank](#)

Neoporia B.K. Cui & Xing Ji

Ji et al. (2023) introduced *Neoporia* under *Polyporaceae* (*Polyporales*, *Incertae sedis*, *Agaricomycetes*, *Agaricomycotina*, *Basidiomycota*) to accommodate three species based on morphology and phylogenetic analyses using ITS, LSU, SSU, TEF1, and TBB1 sequence data. In *Neoporia*, basidiocarps are annual and resupinate. The subiculum is cream to buff. The new genus was typified by *Neoporia rhizomorpha* (B.K. Cui, Y.C. Dai & Decock) B.K. Cui & Xing Ji. Currently, three species have been accepted in this genus, namely *N. bostonensis* (C.L. Zhao) B.K. Cui & Xing Ji, *N. koreana* (Y. Jang & J.J. Kim) B.K. Cui & Xing, and *N. rhizomorpha* (B.K. Cui, Y.C. Dai & Decock) B.K. Cui & Xing Ji. In the genus *Neoporia*, the hyphal system is dimitic, and generative hyphae have clamp connections. Basidiospores are ellipsoid in shape, non-truncate, hyaline, thick-walled, and smooth. The type species was found on a fallen angiosperm branch in China. Based on a concatenated ITS, LSU, SSU, TEF1, and TBB1, *Minoporus* formed a sister clade with *Neoporia*. In terms of morphological characteristics, this new genus is distinct from *Perenniporia* s. s. due to its dimitic hyphal system and basidiospores that are not truncated (Ji et al. 2023).

References

Ji X, Sun YF, Wu DM, Gao N, et al. 2023 – An updated phylogenetic assessment and taxonomic revision of *Perenniporia* sensu lato (*Polyporales*, *Basidiomycota*). *Journal of Fungi* 9(2), 173.

Entry by

Mehrdad Alizadeh, Department of Plant Pathology, Faculty of Agriculture, Tarbiat Modares University, Tehran, Iran

Published online 21 June 2024