

Outlineoffungi.org - Note 1500 *Aphroditeolaceae*

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Aphroditeolaceae Vizzini, Consiglio & P. Alvarado

The monotypic family *Aphroditeolaceae* was established to accommodate *Aphroditeola* Redhead & Manf as the type genus according to morphology and phylogenetical analysis using nucleotide sequence data of six loci (5.8S, LSU, SSU, RPB1-exons, RPB2-exons and TEF1-exons) (Vizzini et al. 2024). In the family *Aphroditeolaceae*, basidiomes emerge as pileostipitate structures, with the pileus depressed into an infundibuliform shape. The hymenophore folds dichotomously, creating forked patterns. Cystidia remain absent, while basidiospores appear colorless, faintly amyloid, and indextrinoid. Clamp connections manifest, as these organisms thrive terricolously in forested environments (Vizzini et al. 2024). The family *Aphroditeolaceae* is classified under *Agaricales*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota* (Vizzini et al. 2024). Phylogenetically, *Pterulaceae*, *Radulomycetaceae*, and *Stephanosporaceae* are sister clades to the *Aphroditeolaceae* (Vizzini et al. 2024).

Reference

Vizzini A, Alvarado P, Consiglio G, Marchetti M, Xu J. 2024 – Family matters inside the order Agaricales: systematic reorganization and classification of incertae sedis clitocyboid, pleurotoid and tricholomatoid taxa based on an updated 6-gene phylogeny. *Studies in Mycology* 107(1), 67–148.

Entry by

Maryam Tavakol Noorabadi, Innovative Institute for Plant Health, Zhongkai University of Agriculture and Engineering, Guangzhou 510225, People's Republic of China

(Edited by **Kevin D Hyde**)

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