Outlineoffungi.org - Note 831 *Berkcurtia*

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Berkcurtia Robledo & Campi

Based on morphological and phylogenetic analysis (ITS, 28S and tef-1a), Campi et al. (2022) introduced the monotypic genus *Berkcurtia* Robledo & Campi to accommodate *B. persicina* (Berk & M.A. Curtis) Robledo & Campi (≡ *Laetiporus persicinus* [Berk. & M.A. Curtis] Gilb.). *Berkcurtia persicina* restricted to the USA. Later, *L. persicinus* was trasferred to *Kusaghiporia* J. Hussein, S. Tibell & Tibuhwa as *K. persicina* (Berk. & M.A. Curtis) C.A. Paez, Kraisit. & M.E. Sm. (Paez et al. 2023). Whereas Paez et al. (2023) emphasize those morphological similarities between *Laetiporus persicinus* and *Kusaghiporia* indicate that they are congeneric, Campi et al. (2022) pointed that *Berkcurtia* can be distinguished based on differences on bruising in the hymenophore and hyphal system. Furthermore, *Berkcurtia* as characterized by Campi et al. (2022) presents a clear morphological circumscription, as the huge central to eccentrically stipitate brown to dark brown basidiomata arising from the ground with the pore surface staining blackish-brown when bruised. The hyphal system is trimitic, generative and thick-walled. Basidia are clavate in shape and 4-sterigmate with ovoid and hyaline basidiospores. Cystidia and conidia are lacking. The taxonomic placement of *Berkcurtia* is in *Laetiporaceae*, *Polyporales*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota*.

References

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