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[Hausknechtia](#) D. Wächt. & Melzer

Hausknechtia was erected as monospecific genus by Wächter & Melzer (2020) to accommodate [Hausknechtia floriformis](#) (Hauskn.) D. Wächt. & Melzer (= *Galerella floriformis* Hauskn.) as type species. within *Psathyrellaceae*, *Agaricales*, [Agaricomycetes](#). [Hausknechtia](#) is a agaricoid genus, saprotrophic, terrestrial occurring on sandy soil. Phylogenetic analyses based on ITS, 5.8S, LSU, *tef-1 α* , and *β -tubulin* sequences indicated its phylogenetic position within *Psathyrellaceae* where it is sister with high support to the genus [Candolleomyces](#) (Wächt. & Melzer 2020). Compared with the other genera of *Psathyrellaceae*, *Hausknechtia* it is distinguished by the combination of the young strikingly sulcate pileus, the margin splitting radially, deliquescent lamellae, and the absence of pleuro- and cheilocystidia. The asexual morph in this genus is unknown (Wächter & Melzer 2020). Recently, the genus was emended by Nie et al. (2022) for encompassing *Hausknechtia leucosticta* (Pat.) Tkalčec, Yan, Nie & Pradeep (= *Coprinus leucostictus* Pat.) from Asia.

References

- Nie C, Wang S-N, Tkalčec Z, Yan J-Q, Hu Y, Ge Y, Na Q, Zeng H, Ding H, Huo G et al. 2022 – *Coprinus leucostictus* rediscovered after a century, epitypified, and its generic position in *Hausknechtia* resolved by multigene phylogenetic analysis of *Psathyrellaceae*. *Diversity* 14:699. <https://doi.org/10.3390/d14090699>
- Wächter D, Melzer A. 2020 – Proposal for a subdivision of the family *Psathyrellaceae* based on a taxon rich phylogenetic analysis with iterative multigene guide tree. *Mycological Progress* 19:1151-1265. <http://dx.doi.org/10.1007/s11557-020-01606-3>

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