

## Outlineoffungi.org - Note 826 *Hydropodia*

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### *Hydropodia* Vizzini & Consiglio

*Hydropodia* was introduced by Consiglio et al. (2022) to accommodate *H. subalpina* (Höhn.) Vizzini, Consiglio & M. Marchetti as the type. This is a monospecific agaricoid genus, saprotrophic, lignicolous on ± buried, found on wood of deciduous trees, typically *Fagus*. According to the phylogenetic analysis based on ITS and LSU (28S) sequences, *H. subalpina* is not related to *Hydropus* Kühner ex Singer s. stricto, which corresponds to the clade including the type species *Hy. fuliginarius* (Batsch) Singer. Instead, it is sister to the Porotheleum clade, including *Porotheleum* Fr., *Pulverulina* Matheny & K.W. Hughes and *Pseudohydropus* Vizzini & Consiglio (Consiglio et al. 2022, [Vizzini et al. 2022](#)). *Hydropodia* is distinguished by a collybioid habit, a stipe with pseudorhiza, cylindrical to allantoid inamyloid basidiospores, and a pileipellis as an ixocutis with abundant, clavate pileocystidia, which do not form an almost continuous layer. The asexual morph is unknown. It occurs in Europe (Consiglio et al. 2022) and Turkey ([Kaygusuz et al., 2020](#)). The taxonomic placement of *Hydropodia* is in *Porotheleaceae*, *Agaricales*, *Agaricomycetidae*, *Agaricomycetes*, *Agaricomycotina*, and *Basidiomycota*.

### References

- Consiglio G, Vizzini A, Cooper J, Marchetti M, Angelini C, Brugaletta E, Setti L. 2022 – The agaricoid members of the genus *Porotheleum* (Porotheleaceae, Agaricales), *Porotheleum* emend., Porotheleaceae s. stricto, and new genera for *Agaricus floccipes* and *Mycena subalpina*. *Rivista di Micologia* 64(2), 152–190.
- Kaygusuz O, Ševčíková H, Battistin E, Türkekul İ. 2020 – A multi-gene molecular phylogeny regarding the two phylogenetically close genera *Hydropus* and *Leucoinocybe* (Agaricales, Basidiomycota), new for Turkey. *Nova Hedwigia* 111(3–4), 429–448. [https://doi.org/10.1127/nova\\_hedwigia/2020/0601](https://doi.org/10.1127/nova_hedwigia/2020/0601)
- Vizzini A, Consiglio G, Marchetti M, Borovička J, Campo E, Cooper J, Lebeuf R, Ševčíková H. 2022 – New data in Porotheleaceae and Cyphellaceae: epitypification of *Prunulus scabripes* Murrill, the status of *Mycopan* Redhead, Moncalvo & Vilgalys and a new combination in *Pleurella* Horak emend. *Mycological Progress* 21, 44. <https://doi.org/10.1007/s11557-022-01795-z>

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