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[Hondaria](#) Kitaura & A.P. Lorenz

This is a monotypic genus established for *Collema leptosporum* Malme ([Kitaura et al. 2020](#)), which, as part of the *Collema fasciculare* group, was placed in *Collemataceae*, but later transferred to *Arctomia* (as *A. leptospora* (Malme) Otálora & Wedin) in *Arctomiaceae* by [Otálora & Wedin \(2013\)](#); however, the placement of the species in the latter genus was not supported by molecular data. Analyses of three DNA markers, nuITS, mtSSU and MCM7, suggested its return to the family *Collemataceae*, and the new genus [Hondaria](#) was introduced for this lineage ([Kitaura et al. 2020](#)). The only so far known species, [Hondaria leptospora](#) (Malme) Kitaura, M.C. Scur & A.P. Lorenz, is a cyanophilous, lichenized fungus (lichen) growing on bark of trees in Brazil and Paraguay. It is characterized mainly by foliose, homioimerous thallus, frequently present apothecia with a euparaplectenchymatous proper exciple, very long, acicular, 5–8-septate ascospores measuring 120–175(–200) × 2–4(–5) µm and the production of isidia ([Kitaura et al. 2020](#)). [Kitaura et al. \(2020\)](#) suggested that two other species, *Arctomia papuanorum* (Degel.) Otálora & Wedin and *A. uviformis* (Hue) Otálora & Wedin, may also belong to [Hondaria](#), but DNA sequences are not yet available for these taxa; therefore, its taxonomic placement is uncertain as morphological similarity in this group of lichens can be a result of convergent evolution. The taxonomic placement of [Hondaria](#) is in *Collemataceae* (*Peltigerales*, *Lecanoromycetes*).

References

- Kitaura MJ, Scur MC, Theodoro JVC, Piovezan-Borges AC, Lorenz AP. 2020 – *Hondaria*, a new genus of *Collemataceae* (*Ascomycota* lichenized) from South America. *Acta Botanica Brasilica* 34(4), 615–622. <https://doi.org/10.1590/0102-33062020abb0093>
- Otálora MAG, Wedin M. 2013 – *Collema fasciculare* belongs in *Arctomiaceae*. *Lichenologist* 45(3), 295–304. <https://doi.org/10.1017/S0024282912000849>

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