

## Outlineoffungi.org - Note 665 *Lecaimmeria*

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***Lecaimmeria*** C.M. Xie, Lu L. Zhang & Li S. Wang

Based on analysis of a five-loci phylogenetic tree (nrITS, nrLSU, *rpb1*, *rpb2* and mtSSU) with combined sequence data, [Xie et al. \(2022\)](#) introduced *Lecaimmeria* to accommodate all the lecanorine apotheciata species previously classified in *Immersaria*. *Lecaimmeria*, with *L. orbicularis* as the type, grow on exposed siliceous rock, mainly in Eurasia but also in North America. Three species that were accepted in *Immersaria* are relegated to this genus, and seven additional species from China are described in it. *Lecaimmeria* is distinguished from other genera of Lecideales with lecanorine apothecia by amyloid ascospores, and *Bellemerea* and *Koerberiella* by their adnate apothecia. *Lecaimmeria* is characterized by immersed lecanorine apothecia with a white margin and a distinct plectenchyma developed on top of the orange epihymenium. *Lecaimmeria* resembles *Immersaria* in the immersed apothecia and brown thallus, but *Lecaimmeria* differs in its red-brown lecanorine apothecia, often with a white margin, their orange epihymenium with a plectenchyma and the thallus containing gyrophoric acid. The phylogenetic evidence obtained from the analysis of nrITS, nrLSU, *rpb1*, *rpb2* and mtSSU show it as a distinct lineage ([Xie et al. 2022](#)). The taxonomic placement of *Lecaimmeria* is in *Lecideaceae* (*Lecideales*, *Lecanoromycetes*) ([Xie et al. 2022](#)).

### Reference

Xie C-M, Wang L-S, Zhao Z-T, Zhang Y-Y, Wang X-Y, Zhang L-L. 2022 – Revision of *Immersaria* and a new lecanorine genus in *Lecideaceae* (lichenised *Ascomycota*, *Lecanoromycetes*). *MycoKeys* 87, 99–132. <https://doi.org/10.3897/mycokeys.87.72614>

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