

Outlineoffungi.org - Note 1350 *Banksiamyces*

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Banksiamyces G. Beaton

The tough, dark coloured apothecia of *Banksiamyces* have been compared with macromorphologically similar fungi in *Tympanis* and *Encoelia* (Berkeley & Broome 1887, Dennis 1958). In proposing the new genus *Banksiamyces*, Beaton & Weste (1982) discussed morphological features that differed from these genera, but were uncertain about its family placement. ITS and RPB2 sequences from Mertin et al. (2022) and ITS sequences from PDD 105253 (GenBank KM880187) show that the genus belongs in one of the paraphyletic *Rutstroemiaceae* clades. Fruiting bodies of this genus have been found only on cones of *Banksia* species and Mertin et al. (2022) showed that at least two of the species occur as seed endophytes in *Banksia*. Note that the GenBank accession MK584974 (voucher HKAS 90000, from China, from an unknown host), identified as *Banksiamyces*, represents a different genus in *Rutstroemiaceae* (unpubl. data).

References

- Beaton G, Weste G. 1982 — *Banksiamyces* gen. nov., a discomycete on dead *Banksia* cones. Transactions of the British Mycological Society 79, 271–277. [https://doi.org/10.1016/S0007-1536\(82\)80113-7](https://doi.org/10.1016/S0007-1536(82)80113-7)
- Berkeley MJ, Broome CE 1887. List of fungi from Queensland and other parts of Australia with descriptions of new species. Part III. Transactions of the Linnean Society of London, ser 2. 2, 217–224.
- Mertin AA, Laurence MH, van der Merwe M, French K, Liew ECY. 2022 — The culturable seed mycobiome of two *Banksia* species is dominated by latent saprotrophic and multi-trophic fungi. Fungal Biology 126, 738–745. <https://doi.org/10.1016/j.funbio.2022.09.002>

Entry by

P.R. Johnston, Manaaki Whenua – Landcare Research, Private Bag 92170, Auckland 1142, New Zealand

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