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[Anastomitrabeculiaceae](#) Bhunjun, Phukhams. & K.D. Hyde

[Anastomitrabeculiaceae](#) was introduced to accommodate a bambusicolous species collected in Thailand ([Bhunjun et al. 2021](#)). The family includes the monotypic genus [Anastomitrabeculia](#), which is associated with submerged and terrestrial bamboo substrates ([Bhunjun et al. 2021](#), [Phookamsak et al. 2022](#)). [Anastomitrabeculiaceae](#) is distinguishable from the other bambusicolous taxa in *Pleoporales* by its semi-immersed, coriaceous or carbonaceous ascomata with septate, trabeculate pseudoparaphyses and hyaline ascospores with longitudinally striate wall ornamentation and surrounded by a mucilaginous sheath ([Bhunjun et al. 2021](#)). The asexual morph is not known. In the multi-locus phylogenetic analysis using LSU, SSU and tef1 sequences, [Anastomitrabeculiaceae](#) formed a well-supported independent lineage within *Pleosporales* (*Dothideomycetes*) ([Bhunjun et al. 2021](#)).

References

- Bhunjun CS, Phukhamsakda C, Jeewon R, Promputtha I, Hyde KD. 2021 – Integrating different lines of evidence to establish a novel Ascomycete genus and family (*Anastomitrabeculia*, *Anastomitrabeculiaceae*) in *Pleosporales*. *Journal of Fungi* 7, 94. <https://doi.org/10.3390/jof7020094>
- Phookamsak R, Jiang H, Suwannarach N, Lumyong S et al. 2022 – Bambusicolous fungi in *Pleosporales*: introducing four novel taxa and a new habitat record for *Anastomitrabeculia didymospora*. *Journal of Fungi* 8, 630. <https://doi.org/10.3390/jof8060630>

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(Edited by **Kevin D Hyde & Rekhani Hansika Perera**)

Published online 7 April 2023