

Outlineoffungi.org - Note 1208 *Aquabispora*

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Aquabispora J. Yang, E.B.G. Jones & K.D. Hyde

Based on the morphological characteristics and molecular analyses of LSU, SSU, *tefl* α , and *rpb2* sequence data, *Aquabispora* was introduced by [Yang et al. \(2023\)](#) and typified with *A. setosa*. The genus is placed within *Savoryellaceae* (*Savoryellales*, *Sordariomycetes*, *Ascomycota*). The sexual morph is characterized by perithecial, papillate, and dark-pigmented ascomata with lanceolate setae scattered on their coriaceous walls. Paraphyses are abundant, persistent, and septate. Asci are stipitate and exhibit a broadly cylindrical to clavate shape. The apex is round or papillate with a non-amyloid apical apparatus with a central pore. Each ascus contains two muriform ascospores, mostly surrounded by a mucilaginous sheath. Ascospores are hyaline at early stages and turn brown in maturity ([Yang et al. 2023](#)). *Aquabispora* resembles *Boerlagiomyces* in the morphology of ascomata and ascospores but differs by having two-spored asci ([Yang et al. 2023](#)). Apart from *Aquabispora setosa*, *Aquabispora* comprises two other species, *Aquabispora websteri* and *A. grandisporus*, which were previously classified under *Boerlagiomyces*. All three species were isolated from decaying wood submerged in freshwater habitats ([Shearer & Crane 1995](#), [Stanley & Hyde 1997](#), [Yang et al. 2023](#)).

References

- Shearer CA, Crane JL. 1995 – *Boerlagiomyces websteri*, a new ascomycete from fresh water. *Mycologia* 1, 876–879.
- Stanley SJ, Hyde KD. 1997 – *Boerlagiomyces grandisporus* sp. nov, a new tropical freshwater ascomycete from the Philippines. *Mycological Research* 101, 635–640.
- Yang J, Liu LL, Jones EG, Hyde KD et al. 2023 – Freshwater fungi from karst landscapes in China and Thailand. *Fungal Diversity* 119, 1–212.

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