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[Halocryptosphaeria](#) Dayarath., Devadatha, V.V. Sarma & K.D. Hyde

Based on analysis of combined ITS and Btub sequence data, [Dayarathne et al. \(2020a\)](#) introduced [Halocryptosphaeria](#) to accommodate [H. bathurstensis](#) (\equiv *Eutypa bathurstensis*) previously reported as a saprobe from a marine habitat in Australia by [Hyde & Rappaz \(1993\)](#). [Halocryptosphaeria](#) with [H. bathurstensis](#) as the type was re-collected from decaying wood of *Avicennia marina* in India, also presumably as a saprobe ([Dayarathne et al. 2020a](#)). [Halocryptosphaeria](#) is known from its sexual state, and is characterized by a poorly developed entostroma, dorsally limited by a black zone binding the stromatic area, submerged or occasionally deeply buried long necked ascomata and olive-brown, aseptate ascospores. [Halocryptosphaeria](#) resembles *Halodiatrype*; however, the phylogenetic evidence obtained from the analysis of ITS and Btub sequence data show it as a distinct lineage ([Dayarathne et al. 2020a](#)). Based on phylogenetic inferences from analysis of ITS and Btub datasets, [Halocryptosphaeria bathurstensis](#) had been transferred to *Cryptosphaeria bathurstensis* (K.D. Hyde & Rappaz) Dayar. & K.D. Hyde, in [Dayarathne et al. \(2020b\)](#). The taxonomic placement of [Halocryptosphaeria](#) is in [Diatrypaceae](#) ([Xylariales](#), [Sordariomycetes](#)).

References

- Dayarathne MC, Jones EBG, Maharachchikumbura SSN, Devadatha B, Sarma VV, Khongphinitbunjong K, Chomnunti P, Hyde KD 2020a – Morpho-molecular characterization of microfungi associated with marine based habitats. *Mycosphere* 11(1), 1–188. https://www.mycosphere.org/pdf/MYCOSPHERE_11_1_1.pdf.
- Dayarathne MC, Wanasinghe DN, Devadatha B, Abeywickrama P, Jones EBG, Chomnunti P, Sarma VV, Hyde KD, Lumyong S, McKenzie EHC 2020b – Modern taxonomic approaches to identifying Diatrypaceous fungi from marine habitats, with a novel genus *Halocryptovalsa* Dayarathne & K.D. Hyde, gen. nov., *Cryptogamie, Mycologie* 41(3), 21–67. <https://sciencepress.mnhn.fr/en/periodiques/mycologie/41/3>.
- Hyde KD, Rappaz F. 1993 – *Eutypa bathurstensis* sp. nov. from intertidal *Avicennia*. *Mycological Research* 97, 861–864. <https://www.sciencedirect.com/science/article/abs/pii/S0953756209811635>.

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