

Outlineoffungi.org - Note 828 *Incumbomyces*

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Incumbomyces Y. Quan, D. Shi, S.A. Ahmed, Al-Hatmi & de Hoog

Quan et al. (2021) described *Incumbomyces* to accommodate *I. delicatus* Y. Quan, D. Shi, S.A. Ahmed, Al-Hatmi & de Hoog as the type including *I. lentus*. Although most species of *Trichomeriaceae* are colonizers of inert surfaces, the species of *Incumbomyces* were isolated as probable inhabitants of carton ant nests in Thailand by Voglmayr et al. (2011). Fungal hyphae are abundantly present in the walls of ant nests and galleries in the canopy of tropical rainforests. A possible role of these black fungi in the carton is to enhance the firmness of ant nests and tunnels. The key morphological characters of the genus are slow-growing and melanized thallus. The hyphae are dense, with regular septation and numerous anastomoses. Specialized conidia are absent. The sexual state is unknown. The taxonomic placement of *Incumbomyces* is in *Trichomeriaceae*, *Chaetothyriales*, *Chaetothyriomycetidae*, *Eurotiomycetes*, *Pezizomycotina*, and *Ascomycota*.

References:

- Voglmayr H, Mayer V, Maschwitz U, Moog J, Djieto-Lordon C, Blatrix R. 2011 – The diversity of ant-associated black yeasts: insights into a newly discovered world of symbiotic interactions. *Fungal Biology* 115(10), 1077–1091. <https://doi.org/10.1016/j.funbio.2010.11.006>
- Quan Y, Ahmed SA, da Silva NM, Al-Hatmi AM, Mayer VE, Deng S, Kang Y, de Hoog GS, Shi D. 2020 – Novel black yeast-like species in *chaetothyriales* with ant-associated life styles. *Fungal Biology* 125(4), 276–284. <https://doi.org/10.1016/j.funbio.2020.11.006>

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