Outlineoffungi.org - Note 900 *Safagamyces*

Web-links: Index Fungorum, Facesoffungi, MycoBank, GenBank

Safagamyces Bakhit & Abdel-Wahab

Safagamyces was introduced by Bakhit & Abdel-Wahab (2022) based on morphology and phylogenetic analysis of SSU and LSU sequences. Due to differences in morphology and its position in the phylogenetic tree, *Safagamyces* was segregated as a new genus. The name is based on Safaga City, Egypt where the holotype was collected. The type species, *Safagamyces marinus* Bakhit & Abdel-Wahab, was isolated from decaying stems of *Phragmites australis*, a mangrove along the Red Sea (Bakhit & Abdel-Wahab 2022). To date, there is only one species described in this genus. *Safagamyces* formed a basal branch to three marine genera *Cucurbitinus*, *Cirrenalia* and *Pseudolignicola* in the family *Halosphaeriaceae*. Morphologically, *Safagamyces, Cucurbitinus* and *Cirrenalia* are similar in having conidia that are constricted at the base, which gradually become bigger and darkly pigmented from base to apex (Meyers & Moore 1960, Liu et al. 2020). However, *Safagamyces* is distinct by its conidia that are branched, variable in shape, septate, and strongly constricted at the septa (Bakhit & Abdel-Wahab 2022). Conidiogenesis cells are holoblastic with sympodial conidial proliferation. In addition, species of this genus have micronematous, smooth, hyaline conidiophores (Bakhit & Abdel-Wahab 2022). The taxonomic placement of *Safagamyces* is in *Halosphaeriaceae*, *Microascales* and *Sordariomycetes*.

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