

## Outlineoffungi.org - Note 985 [Acaromyces](#)

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[Acaromyces](#) Boekhout, Scorzetti, Gerson & Szejnberg

[Acaromyces](#) is a mite-associated fungi asexual genus which is typified by [Acaromyces ingoldii](#) Boekhout, Scorzetti, Gerson & Szejnberg. *A. ingoldii* was isolated from the citrus rust mites on grape fruit (*Citrus paradisi*) leaves in Israel ([Boekhout et al. 2003](#)). This genus is characterized by anamorphic fungi with, septate hyphae, usually with a contracted cytoplasm. The cells separated from each other. Sterigmatoid protuberances often arise near the septa, giving rise to chains of fusiform blastoconidia. The mycelium is arial with blastoconidia giving the colony a somewhat velvety-pruinose appearance ([Boekhout et al. 2003](#)). In the LSU rDNA, phylogenetic analysis of *Exobasidiomycetidae*, [Acaromyces](#) is a sister to *Coniodictyum* ([Boekhout et al. 2003](#)). Furthermore, most other genera of the *Exobasidiomycetidae* have sexual morphs and mainly occur as plant pathogens ([Begerow et al. 2002](#)), whereas [Acaromyces](#) is an asexual genus known from mites (insect associated). However, because Boekhout et al. ([2003](#)) mistakenly designated two culture collection centers that conserved the type strain, it was not until Denchev et al. ([2021](#)) that they verified the validity of the genus name and type species name ([Denchev et al. 2021](#)). The taxonomic placement of [Acaromyces](#) is in *Cryptobasidiaceae*, *Exobasidiales*, *Exobasidiomycetidae*, [Exobasidiomycetes](#), [Ustilaginomycotina](#), and [Basidiomycota](#).

### References

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- Boekhout T, Theelen B, Houbraken J, Robert V et al. 2003 – Novel anamorphic mite-associated fungi belonging to the Ustilaginomycetes: *Meira geulakonigii* gen. nov., sp. nov., *Meira argovae* sp. nov. and *Acaromyces ingoldii* gen. nov., sp. nov. *International Journal of Systematic and Evolutionary Microbiology* 53(5), 1655–1664. <https://doi.org/10.1099/ijs.0.02434-0>
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### Entry by

**Yinru Xiong**, <sup>1</sup>Center of Excellence in Fungal Research, Mae Fah Luang University, Chiang Rai, Thailand; School of Science, Mae Fah Luang University, Chiang Rai, Thailand; <sup>2</sup>Innovative Institute for Plant Health, Zhongkai University of Agriculture and Engineering, Guangzhou 510225, China

(Edited by **Kevin D Hyde**, **Ishara S. Manawasinghe** & **Maryam Tavakol Noorabadi**)

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