

Outlineoffungi.org - Note 49, [Ascospirella](#)

[Ascospirella](#) Houbraken et al.

[Ascospirella](#) is a monotypic genus in *Trichocomaceae* and is phylogenetically most closely related to *Thermomyces*. *Thermomyces* contains thermophilic species (*T. lanuginosus* Tsikl., *T. dupontii* (Griffon & Maubl.) Houbraken & Samson), while the sole member in [Ascospirella](#) (i.e. *Ascospirella lutea* (Zukal) Houbraken, Frisvad & Samson) is a mesophile. [Ascospirella](#) can be further distinguished from *Thermomyces* by the production of penicillium-like conidiophores and yellow to orange ascomata. The production of ascospores with conspicuous transverse or spiral ridges or striations is a striking feature for *Ascospirella* ([Houbraken et al. 2020](#)) (F. Selcuk).

Reference

Houbraken J, Kocsubé S, Visagie CM, Yilmaz N et al. 2020 – Classification of *Aspergillus*, *Penicillium*, *Talaromyces* and related genera (*Eurotiales*): An overview of families, genera, subgenera, sections, series and species. *Studies in Mycology* 95, 5–169.
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