

Outlineoffungi.org - Note 698 *Xanthiomyces*

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Xanthiomyces X.Wei Wang & Houbraken

Based on phylogenetic analysis of concatenated *rpb2*, *tub2*, ITS and LSU loci, [Wang et al. \(2022\)](#) showed that the *Chaetomium spinosum* Chivers is distinct and sister to the *Chaetomium sensu stricto*. Therefore, they introduced a monotypic genus *Xanthiomyces*, to replace *Chaetomium spinosum* ([Wang et al. 2022](#)). The type species *Xanthiomyces spinosus* is distinct from *Chaetomium sensu stricto* in having ovate ascospores that are usually less than 7 µm long ([Wang et al. 2022](#)). Divergent time estimation showed that *Xanthiomyces spinosus* diverged from *Chaetomium* about 50 Mya, significantly earlier than the rest of the members in the *Chaetomiaceae* ([Wang et al. 2022](#)). *Xanthiomyces spinosus* was isolated from straw and culture of algae in Switzerland ([Wang et al. 2022](#)). *Chaetomium spinosum* was isolated from isolated from a culture of algae ([Wang et al. 2022](#)).

References

Wang XW, Han PJ, Bai FY, Luo A, Bensch K, Meijer M, Kraak B, Han DY, Sun BD, Crous PW, Houbraken J 2022 – Taxonomy, phylogeny and identification of *Chaetomiaceae* with emphasis on thermophilic species. *Studies in Mycology* 101, 121– 243. <https://doi.org/10.3114/sim.2022.101.03>

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