**Fungalpedia - Note 32**[***Sinotrichium***](http://www.indexfungorum.org/Names/NamesRecord.asp?RecordID=513199)

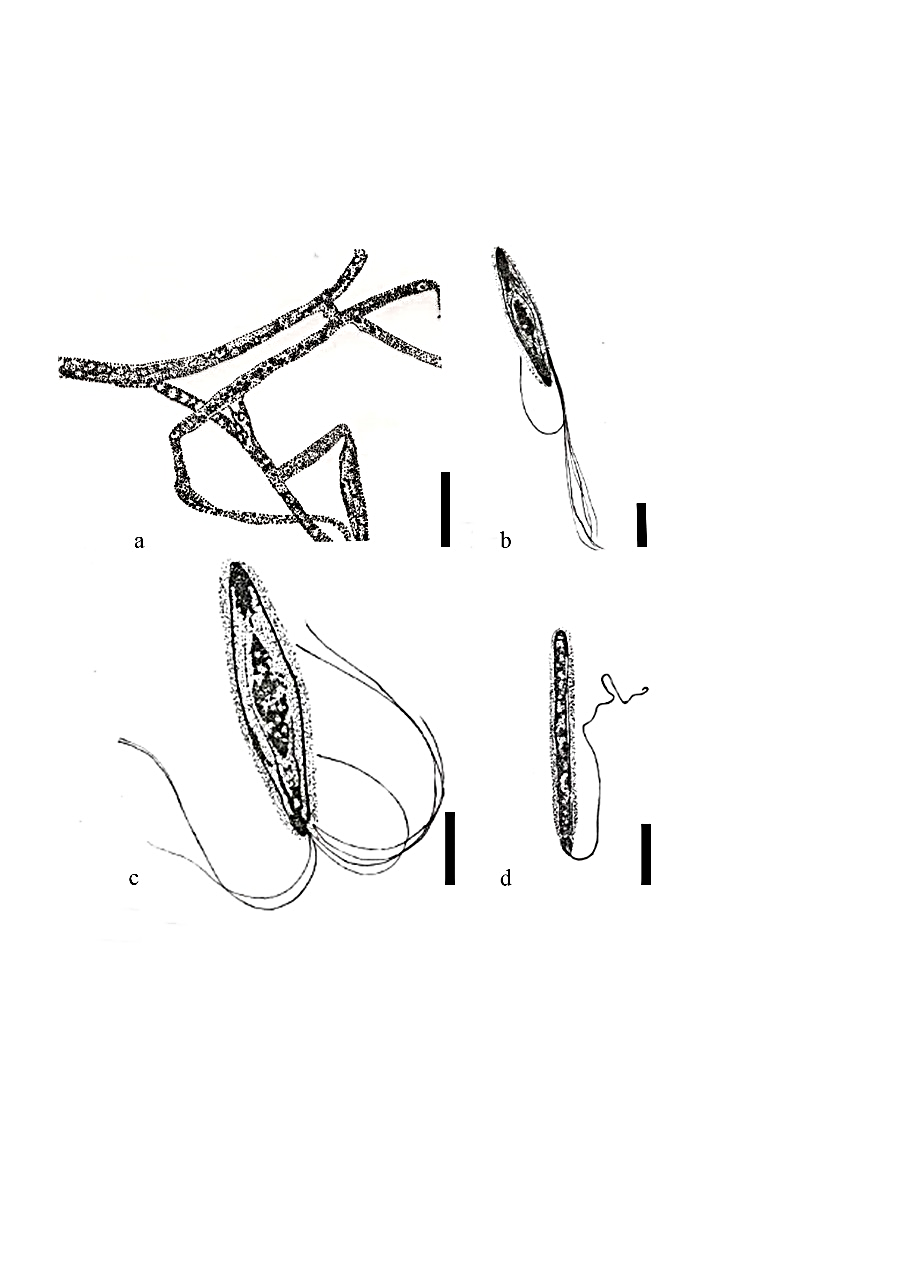
[***Sinotrichium***](http://www.indexfungorum.org/Names/NamesRecord.asp?RecordID=513199)Juan Wang, S.Q. Xu & Strongman

**Citation if using this entry**: Fallahi et al. (2023) New genera in 2010-2011. Mycosphere (in press)

[Index Fungorum](http://www.indexfungorum.org/Names/NamesRecord.asp?RecordID=513199), Facesoffungi, [MycoBank](https://www.mycobank.org/page/Name%20details%20page/458180), GenBank, Fig 1.

[*Sinotrichium*](https://www.mycobank.org/page/Name%20details%20page/458180) was erected by Wang et al. ([2010](https://doi.org/10.3852/08-223)) as a new gut fungus within the order [Harpellales](https://www.mycobank.org/page/Name%20details%20page/92462) and the family [*Legeriomycetaceae*](https://www.mycobank.org/page/Name%20details%20page/92897) (*[Kickxellomycotina](https://www.mycobank.org/page/Name%20details%20page/431098)*). The genus is typified by [*Sinotrichium chironomidarum*](https://www.mycobank.org/page/Name%20details%20page/458544) J. Wang, S.Q. Xu & Strongman, and was isolated from the guts of aquatic chironomid larvae from a stream in the Tianshan Mountains in northwestern China. [*Sinotrichium*](http://www.indexfungorum.org/Names/Names.asp) is characterized by dense, regularly branched thallus, longcylindrical trichospores which have a collar and one long appendage at the base, and zygospores with a collar and numerous coarse appendages that are biconical and affixed obliquely to the zygosporophores. This combination of traits is sufficiently different to warrant erecting a new genus [*Sinotrichium*](https://www.mycobank.org/page/Name%20details%20page/458180) ([Wang et al. 2010)](https://doi.org/10.3852/08-223).

**Type species:** [*Sinotrichium chironomidarum* Juan Wang, S.Q. Xu & Strongman](http://www.indexfungorum.org/Names/NamesRecord.asp?RecordID=513383)



**Fig 1**- [***Sinotrichium chironomidarum***](http://www.indexfungorum.org/Names/NamesRecord.asp?RecordID=513383)(redrawn from [Wang et al. 2010](https://doi.org/10.3852/08-223)). a Thalli with conjugating hyphae. b-c Released zygospore with multiple appendages. d Released trichospore. Scale bars: a-d= 20 µm

**References**

Wang J, Xu SQ, Strongman DB. 2010- Two new *Harpellales* inhabiting the digestive tracts of midge larvae and other trichomycetes from Tianshan Mountains, China. *Mycologia* 102, 135-141. <https://doi.org/10.3852/08-223>

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