**Fungalpedia** – **Note 43**[***Bellojisia***](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691)

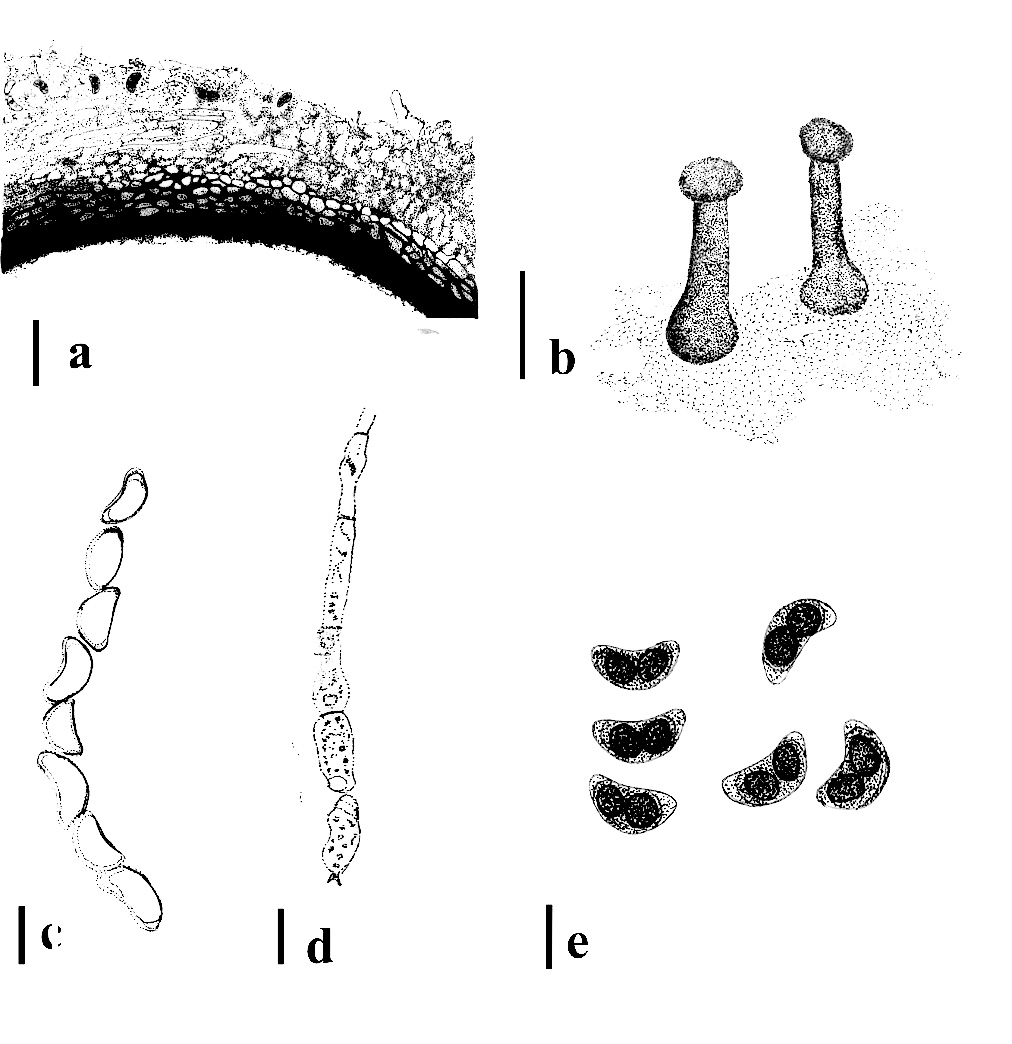
[***Bellojisia***](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691)(Höhn.) Réblová

**Citation if using this entry** Noorabadi MT et al. (2023) New genera in 2008-2009. Mycosphere (in prep)

[Index Fungorum](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691), [Facesoffungi,](https://www.facesoffungi.org/bellojisia/) [MycoBank](https://www.mycobank.org/page/Name%20details%20page/455954), [GenBank](https://www.ncbi.nlm.nih.gov/nuccore/EU999217.1?report=genbank), Fig 1.

The monotypic genus, [*Bellojisia*](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691) (Höhn) Réblová was established by Réblová ([2008](https://doi.org/10.3852/08-068)), to accommodate [*Bellojisia rhynchostoma*](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691)(Höhn.) Réblová (= *Jobellisia rhynchostoma* (Höhn). Barr) as the type species. It is saprobic on wood. Based on phylogenic analyses of LSU sequence data [*Jobellisia rhynchostoma*](https://www.mycobank.org/page/Name%20details%20page/148256) formed a distinct clade from the other species of *Jobellisia* in *Jobellisiales* and this species was placed in [*Lasiosphaeriaceae*](https://www.facesoffungi.org/lasiosphaeriaceae/), [*Sordariales*](https://www.facesoffungi.org/sordariales/)([Réblová 2008](https://doi.org/10.3852/08-068)), [*Bellojisia rhynchostoma*](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691)is different from other species of *Jobellisia* based on phylogenetic analysis and some morphological characters such as its unique reniform ascospores, deliquescing asci, ascal apex and the structure of the perithecial wall ( [Réblová 2008](https://doi.org/10.3852/08-068)).

**Type species**: [*Bellojisia rhynchostoma*](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691)(Höhn.) Réblová



**Fig. 1 –** [*Bellojisia*](http://www.indexfungorum.org/names/Names.asp?strGenus=Bellojisia)[*rhynchostoma*.](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691)*.* (redrawn from  [Réblová 2008](https://doi.org/10.3852/08-068)) **a** Perithecial wall in longitudinal section of the venter. **b** Perithecia on the natural substratum. **c** Ascus with hyaline ascospores. **d** Paraphyses. **e** Ascospores. Scale bars: e=100 μm; a=25 μm, c-e=10 μm.

[*Bellojisia*](http://www.indexfungorum.org/names/Names.asp?strGenus=Bellojisia)[*rhynchostoma*.](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691)is characterized by a stromatic perithecia with elongate necks and superficial to semi-immersed pyriform venters and a carbonaceous three-layered perithecial wall. Ascospores are hyaline, later brown, and reniform to navicular with a polar germ pore and have 1-septate that formed in unitunicate asci. [*Bellojisia rhynchostoma*](https://www.indexfungorum.org/names/NamesRecord.asp?RecordID=508691) was not observed to produce an asexual morph *in vitro* and is distinguished within the [*Sordariales*](https://www.facesoffungi.org/sordariales/)by its reniform to navicular, 1-septate, brown ascospores with a polar germ pore, cylindrical asci that evanesce early, conical to pyriform perithecial venter with large firm neck and pseudoparenchymatous perithecial walls. The morphology of the surrounding three-layered perithecial wall with an externally formed tomentum is consistent among the patterns seen in [*Lasiosphaeriaceae*](https://www.facesoffungi.org/lasiosphaeriaceae/)*.* The appearance of a tomentum on the perithecial surface occurs several times in the evolutionary history of the [*Sordariales*](https://www.facesoffungi.org/sordariales/)*,* which is typical for members of the [*Lasiosphaeria*](https://www.facesoffungi.org/lasiosphaeria/) clade [(Miller & Huhndorf 2004)](https://doi.org/10.1017/S0953756203008864).

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