



Phaeotremella foliacea comb. nov. (Tremellales, Tremellomycetes, Agaricomycotina)

Wedin M¹, Zamora JC² and Millanes AM³

¹Department of Botany, Swedish Museum of Natural History, P.O. Box 50007, SE-104 05 Stockholm, Sweden. mats.wedin@nrm.se

²Departamento de Biología Vegetal II, Facultad de Farmacia, Universidad Complutense de Madrid, E-28040 Madrid, Spain

³Departamento de Biología y Geología, Física y Química Inorgánica, Universidad Rey Juan Carlos, C/ Tulipán s.n., E-28933 Móstoles, Spain

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Abstract

The new combination *Phaeotremella foliacea* (Pers.) Wedin, J.C. Zamora & Millanes is coined and taken up as the current name for one of the most common species of the recently resurrected genus *Phaeotremella* Rea.

Key words – *Tremella* – nomenclature

Introduction

Recently, Liu et al. (2016) presented a major reclassification of the Tremellomycetes (Agaricomycotina) and a number of substantial changes to the ordinal, family and generic delimitations were made, based on recent progress in the understanding of the phylogeny of this large and important basidiomycete group. Liu et al. (2016) were the first to attempt a full integration of the classifications of yeasts and filamentose representatives, and presented a seven-marker phylogeny including the majority of yeast-forming and filamentous taxa. Among many new discoveries was that the *Tremella foliacea*-group should be recognized as a distinct genus, something quite clear already in Millanes et al. (2011). For this group, the name *Phaeotremella* Rea (Rea 1912) was available and taken up by Yurkov & Boekhout in Liu et al. (2016). Seven species were also combined into *Phaeotremella* in Liu et al. (2016), but despite pointing out that the type species of *Phaeotremella* Rea (*Phaeotremella pseudofoliacea* Rea) is currently by most authors treated as a synonym to the older “*Tremella*” *foliacea* Pers. (Donk 1966, Roberts 1999), the necessary combination based on the older name was unfortunately omitted. Here we rectify this, and include a brief discussion on the current species taxonomy of *Phaeotremella*.

Nomenclature

Phaeotremella Rea, Trans. Br. Mycol. Soc. 3: 377. 1912. *emend.* A.M. Yurkov & Boekhout, Stud. Mycol. 81: 137. 2016

MycoBank 18243

Type species: *Phaeotremella pseudofoliacea* Rea, Trans. Br. Mycol. Soc. 3: 377. 1912.

Phaeotremella foliacea (Pers.) Wedin, J.C. Zamora & Millanes, **comb. nov.**

Mycobank MB 816932

Basionym: *Tremella foliacea* Pers., *Observationes mycologicae* 2: 98. 1800.

Discussion

Species delimitations in *Phaeotremella* are currently very poorly understood. *Phaeotremella* (“*Tremella*”) *foliacea* is considered a widely distributed and very variable species (Donk 1966, Roberts 1999). We assume that species delimitation studies may affect the current species concepts considerably in this group. Although Donk (1966) treated *P. foliacea* and *P. pseudofoliacea* as synonyms and Roberts (1999) stated that *P. foliacea* and *P. pseudofoliacea* are morphologically undistinguishable, our experience indicates that we have to consider the possibility that several species currently are hiding under *P. foliacea*, and detailed studies are in progress.

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References

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