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

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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 filamentous 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

MycoBank 18243
**Phaeotremella foliacea** (Pers.) Wedin, J.C. Zamora & Millanes, **comb. nov.**
MycoBank MB 816932

**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**
Persoon DHC. 1800 – Observationes mycologicae 2. Lipsiae et Lucernae.