

## ***Cortinarius* (Agaricales) revised taxonomy: validation of new species names or combinations**

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**Abstract** – Five species are transferred to *Cortinarius*, either as new combinations: *C. atratus* (= *Hysterangium atratum*), *C. canarius* (≡ *Dermocybe canaria*), *C. kula* (*Dermocybe kula*), or as replacement names when the basionym epithet was preoccupied: *C. olens* (= *Hymenogaster aromaticus* Velen.). The illegitimate *Cortinarius mastoideus* Gasparini is renamed as *C. acutipapillatus*. *C. olens* and *C. atratus* are renamed.

**Key words:** *Cortinomyces*, *Dermocybe*, *Hymenogaster*, *Hysterangium*.

### **I. INTRODUCTION**

In the mycological literature it is important for taxa names to be valid, legitimate and in current use. In this respect, five combinations are here validated. These five species were published in *Mycosphere* 34 (3) 363-454 (213) (Gasparini 2014).. However, the publication was invalid for *Cortinarius canarius*, *Cortinarius kula*, *Cortinarius mastoideus*, (art. 41.1), while *Cortinarius olens* was not a new combination but a replacement name, and *Cortinarius atratus* is a new name, not a new combination. *Cortinomyces* Bougher & Castellano 1993 was shown to be invalid by May (1995). *Hymenogaster* has been shown to be polyphyletic (Peintner et al. 2001). *H. aromaticus* is assumed to belong to the genus *Cortinarius*. *Cortinarius mastoideus* Gasparini, was illegitimate when published. *Dermocybe* nests within the genus *Cortinarius* (Høiland & Holst-Jensen 2000) and is therefore to be considered a synonym of the latter. The same applies to the sequestrate genus *Protoglossum* (Peintner et al. 2001). With this in mind, five combinations are here proposed for renaming or recombining.

#### **Taxonomy**

New species and combinations:

*Cortinarius kula* (Grgur.) Gasparini **comb. nov.**

MycoBank MB 809447

**Basionym:** *Dermocybe kula* Grgurinovic 1997 [MB#443287]. Larger fungi of South Australia. The Botanic Gardens of Adelaide and State Herbarium.

**Name misapplied:** *Cortinarius sanguineus* (Wulf.:Fr) Fr. ss. Cleland.

*Cortinarius canarius* (E. Horak) Gasparini **comb. nov.**

MycoBank MB 809452

**Basionym:** *Dermocybe canaria* E. Horak 1988 [MB#135021], *Sydowia* 40: 93 (1988).

*Cortinarius acutipapillatus* Gasparini **nom. nov.**

MycoBank MB 809455

**Basionym** *Cortinarius mastoideus* Gasparini 2008 [MB# 536979] in Gasparini & Soop, *Australas. Mycol.* 27(3): 179 (2008), illegitimate (art. 53.1) as a late homonym of *Cortinarius mastoideus* Fillion & Moëgne-Loec. 2004.

*Cortinarius cribbiae* (A.H. Sm.) Gasparini **comb. nov.**

MycoBank MB 809459

**Basionym:** *Hymenogaster cribbiae* A.H. Sm. [MB#332311] *Mycologia* 58(1): 105 (1966).

#### **Synonyms:**

*Cortinomyces cribbiae* (A.H. Sm.) Bougher & Castellano [MB#357545] 1993, *Mycologia* 85(2): 279 (1993).

*Protoglossum cribbiae* (A.H. Sm.) T.W. May 1995 [MB#413899], *Muelleria* 8(3): 287 (1995).

*Gymnoglossum viscidum* J.W. Cribb [MB#298023], *Pap. Dept. Bot. (formerly Biol.) Univ. Qd.* 3: 159 (1958) [1957].

*Hymenogaster cribbiae* was transferred by T. May to genus *Protoglossum*, which was later considered a

synonym of *Cortinarius* (Peintner et al. 2001).

***Cortinarius olens* Gasparini. nom. nov**

MycoBank MB809829	
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**Basionym:** *Hymenogaster aromaticus* Velen. 1922 [MB#257382], Ceske Houby 4-5: 800 (1922).

**Synonym:**

*Protoglossum aromaticum* (Velen.) J.M. Vidal, Note: *Cortinarius aromaticus* (Velen.) Reumaux 2002 MB#489865, in Bidaud, Moëgne-Loccoz, Reumaux & Henry, Atlas des *Cortinaires* (Meyzieu) 12: 691 (2002). The combination *Cortinarius aromaticus* would be illegitimate. Hence a new name is proposed.

***Cortinarius atratus* (Rodway) Gasparini comb. nov.**

MycoBank MB 809482

**Basionym:** *Hysterangium atratum* Rodway 1919 [MB#173123], Pap. Proc. R. Soc. Tasm.: 112 (1920) [1919].

**Synonyms:**

*Protoglossum luteum* Masee, Grevillea 19 (no. 92): 97 (1891).

*Cortinomyces effodiendus* (G. Cunn.) Bougher & Castellano [MB#359745], Mycologia 85(2): 279 (1993).

*Cortinomyces luteus* (Masee) Bougher & Castellano [MB#359744], Mycologia 85(2): 277 (1993).

*Hymenogaster atratus* (Rodway) Zeller & C.W. Dodge [MB#257710], Ann. Mo. bot. Gdn 21: 656 (1934).

*Hymenogaster effodiendus* G. Cunn. [MB#298741], Trans. & Proc. Roy. Soc. S. Australia 75: 14 (1952).

*Hymenogaster luteus* (Masee) G. Cunn. [MB#487569], Proc. Linn. Soc. N.S.W. 59(3–4): 169 (1934) illegitimate (art. 52.)<sup>1</sup>

Note: *Cortinarius luteus* is preoccupied by *C. luteus* Peck, Annual Report on the New York State Museum of Natural History 43: 65 (1890). Therefore the oldest synonym is chosen here: *Hymenogaster atratus* (Rodway) Zeller & C.W. Dodge 1934

## REFERENCES

- [1]. Gasparini B, Soop K. 2008. Contribution to the knowledge of *Cortinarius* [Agaricales, Cortinariaceae] of Tasmania (Australia) and New Zealand. Australasian Mycologist 27(3): 173–203.
- [2]. Gasparini B. 2014 *Cortinarius* (Agaricales) revised taxonomy: new species names or combinations. Mycosphere 4 (3): 363–454 (2013)
- [3]. Grgurinovic C. 1997. Larger fungi of South Australia. The Botanic Gardens of Adelaide and State Herbarium.
- [4]. Horak E. 1988. New species of *Dermocybe* (Agaricales) from New Zealand. Sydowia. 40:81–112
- [5]. Høiland K, Holst-Jensen A. 2000. *Cortinarius* phylogeny and possible taxonomic implications of ITS rDNA sequences. Mycologia 92: 694–710.
- [6]. Masee, G. 1898. Tea blights. Bulletin of Miscellaneous Informations of the Royal Botanical Gardens Kew. 127
- [7]. May T.W. 1995.– Notes on *Protoglossum* (Fungi: Cortinariales). *Muelleria* 8: 287–289.
- [8]. Peintner U, Bougher NA, Castellano MA, Moncalvo JM, Moser MM, Trappe JM, Vilgalys R. 2001. Multiple Origins of Sequestrate Fungi related to *Cortinarius* (Cortinariaceae). American Journal of Botany 88(12): 195 – 205.
- [9]. Vidal J. M. 2002 *Protoglossum aromaticum*, A Sequestrate Fungus Related To *Cortinarius*, widely distributed In Europe and North America. Revista Catalana de Micologia, vol. 24: 287–294 ;. Home