



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

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Abstract

Thirteen species are transferred to *Cortinarius*, either as new combinations: *C. atratus* (≡ *Hysterangium atratum*), *C. cribbiae* (≡ *Hymenogaster cribbiae*), *C. canarius* (≡ *Dermocybe canaria*), *C. kula* (≡ *Dermocybe kula*), *C. musisporus* (≡ *Quadrispora musispora*), *C. niphophilus* (≡ *Protoglossum niphophilum*), *C. oblongisporus* (≡ *Hymenogaster oblongisporus*), and *C. tubercularis* (≡ *Quadrispora tubercularis*); or as replacement names, when the basionym epithet was preoccupied: *C. olens* (= *Hymenogaster aromaticus* Velen.) *C. oleosus* (≡ *Hysterangium viscidum*), *C. rubroviolaceus* (≡ *Hymenogaster purpureum*), and *C. subviolaceus* (≡ *Hymenogaster violaceus*). The illegitimate *Cortinarius mastoideus* Gasparini is renamed as *C. acutipapillatus*.

Key words – *Dermocybe* – *Hymenogaster* – *Quadrispora* – synonymy

Introduction

In the mycological literature it is important for taxa names to be valid, legitimate and of current use. In this respect it is advisable to carry out several combinations.

Cortinomyces Bougher & Castellano 1993 was shown to be invalid by May (1995).

Hymenogaster is suggested to be polyphyletic (Peintner et al. 2001). It is here taken that *H. cribbiae* belongs to genus *Cortinarius*.

Hysterangium viscidum Masee & Rodway was later transferred by May (1995) to genus *Protoglossum*, which is now considered to be a synonym of *Cortinarius*.

Cortinarius mastoideus Gasparini, was illegitimate when published.

Dermocybe nests within the genus *Cortinarius* (Høiland & Holst-Jensen 2000) and therefore it is to be considered a synonym of the latter.

Same applies to the sequestrate genera *Protoglossum*, *Quadrispora* (Peintner et al. 2001). With this in mind, twelve combinations are here proposed for renaming or recombination.

Taxonomy

New species and combinations:

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

MycoBank MB 809447

Basionym: *Dermocybe kula* Grgurinovic [MB#443287] 1997.

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

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

MycoBank MB 809452

Basionym: *Dermocybe canaria* Horak, E. 1988. [MB#135021]

Cortinarius acutipapillatus; Gasparini, **nom. nov.**

MycoBank MB 809455

for *Cortinarius mastoideus* Gasparini [MB#536979] 2008, illegitimate art. 53.1 as late homonym of *Cortinarius mastoideus* Fillion & Moënné-Loc. 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 May to genus *Protoglossum* which was later reckoned to be a *Cortinarius aromaticus* synonym of *Cortinarius* (Peinter et al. 2001).

Cortinarius olens Gasparini **comb. nov.**

MycoBank MB 809829

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

Synonyms:

Protoglossum aromaticum (Velen.) J.M. Vidal,

Note: *Cortinarius aromaticus* (Velen.) Reumaux 2002 [MB#489865], in Bidaud, Moënné-Loccoz, Reumaux & Henry, *Atlas des Cortinaires* (Meyzieu) 12: 691 (2002). The combination *Cortinarius aromaticus* (Velen.) Gasparini would be illegitimate. Hence a new name is proposed.

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

MycoBank MB 809482

Basionym: *Hysterangium atratum*] Rodway [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 (Massee) G. Cunn. [MB#487569] Proc. Linn. Soc. N.S.W. 59(3–4): 169 (1934) illegitimate art. 52.1

Note: *Cortinarius luteus* Peck, Annual Report on the New York State Museum of Natural History 43: 65 (1890). Therefore it is chosen here the oldest synonym: *Hymenogaster atratus* (Rodway) Zeller & C.W. Dodge, Annals of the Missouri Botanical Garden 21: 656 (1934) [MB#257710]

Cortinarius niphophilus (Trappe & Claridge) Gasparini **comb. nov.**

Mycobank MB 809484

Basionym: *Protoglossum niphophilum* Trappe & Claridge [MB#484180], Australas. Mycol. 22(1): 32 (2003).

Cortinarius oblongisporus (G.W. Beaton, Pegler & T.W.K. Young) Gasparini **comb. nov.**

Mycobank MB 809485

Basionym: *Hymenogaster oblongisporus* G.W. Beaton, Pegler & T.W.K. Young [MB#106188], Kew Bull. 40(1): 188 (1985).

Synonym:

Quadrispora oblongispora (G.W. Beaton, Pegler & T.W.K. Young) Bougher & Castellano, [MB#359753] Mycologia 85 (2): 286 (1993)

Cortinarius rubroviolaceus Gasparini **nom. nov.**

Mycobank MB 809494

Basionym: *Protoglossum purpureum* (J.W. Cribb) T.W. May [MB#413901], Muelleria 8(3): 288 (1995).

Synonyms:

Cortinomyces purpureus (Cribb) Bougher & Castellano [MB#359747], Mycologia 85(2): 280 (1993).

Hymenogaster purpureus J.W. Cribb [MB#298749], Pap. Dept. Bot. (formerly Biol.) Univ. Qd. 3: 127 (1956).

Note: *Cortinarius purpureus* (Bull.) Bidaud, Moënné-Locc. & Reumaux, in Bidaud, Moënné-Loccoz, Reumaux & Henry, Atlas des *Cortinaires* (Meyzieu) 6: 191 (1994). The combination *Cortinarius purpureus* (J.W. Cribb) Gasparini would be illegitimate. Hence a new name is proposed.

Cortinarius tubercularis (Bougher & A.A. Francis) Gasparini **comb. nov.**

Mycobank MB 809495

Basionym: *Quadrispora tubercularis* [MB#368782] Bougher & A.A. Francis, in Francis & Bougher, Australas. Mycol. 23(1): 23 (2004).

Cortinarius musisporus (Bougher & Castellano) Gasparini **comb. nov.**

Mycobank MB 809496

Basionym: *Quadrispora musispora* Bougher & Castellano [MB#359754], Mycologia 85(2): 286 (1993).

Cortinarius subviolaceus Gasparini **nom. nov.**

Mycobank MB 809497

Basionym: *Hymenogaster violaceus* Massee & Rodway [MB#158243] b, in Massee, Bull. Misc. Inf., Kew: 127 (1898).

Synonyms:

Protoglossum violaceum (Massey & Rodway) T.W. May, *Muelleria* 8(3 [MB#413902]): 288 (1995).

Arcangeliella violacea (Massee & Rodway) Zeller & C.W. Dodge [MB#281785], *Ann. Mo. bot. Gdn* 22: 369 (1935).

Cortinomyces violaceus (Massee & Rodway) Bougher & Castellano, *Mycologia* 85(2): 280 (1993).

Dendrogaster violaceus (Massee & Rodway) G. Cunn. [MB#453634], *Proc. Linn. Soc. N.S.W.* 59(3–4): 172 (1934).

Gymnoglossum violaceum (Massee & Rodway) G. Cunn. [MB#286775], *New Zealand J. Sci. Technol.* 22: 300 (1941).

Note: *Cortinarius violaceus* (L.) Gray *Nat. Arr. Brit. Pl.* (London) 1: 217 (1821). The recombination *Cortinarius violaceus* (Massee) Gasparini would be illegitimate.

***Cortinarius oleosus* Gasparini nom. nov.**

Mycobank MB 809498

Basionym: *Hysterangium viscidum* Massee & Rodway [MB#193347], in Massee, *Bull. Misc. Inf., Kew*: 127 (1898).

Synonyms:

Protoglossum viscidum (Massey & Rodway) T.W. May [MB#413903], *Muelleria* 8(3): 288 (1995).

Cortinomyces viscidus (Massee & Rodway) Bougher & Castellano [MB#359749], *Mycologia* 85(2): 280 (1993).

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Note: *Cortinarius viscidus* (L.) Gray [as '*Cortinaria viscida*'], *Nat. Arr. Brit. Pl.* (London) 1: 629 (1821) was recognized as to be *Gomphidius viscidus*. However, the combination *Cortinarius viscidus* would be illegitimate.

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