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## PRELIMINARY CHECKLIST OF AGARICALES FROM CROATIA. II. FAMILIES AGARICACEAE, AMANITACEAE, CORTINARIACEAE AND HYGROPHORACEAE.

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### ABSTRACT

The second part of the preliminary checklist of Agaricales from Croatia is given. It comprises the families Agaricaceae, Amanitaceae, Cortinariaceae and Hygrophoraceae. 244 species belonging to 21 genera are presented. One genus and 38 species are reported for the first time from Croatia. For each species, the published and unpublished sources of data are given, as well as the collections in which the material is deposited.

**Key words:** Basidiomycota, biodiversity, mycoflora, bibliography.

### INTRODUCTION

This is the second part of the preliminary checklist of Agaricales from Croatia. It comprises the families Agaricaceae, Amanitaceae, Cortinariaceae and Hygrophoraceae. The checklist includes data published or collected before 1 January 2000. Information about the geographical and biogeographical position of Croatia, material, methods and presentation are given in the first part of the checklist (Tkalčec & Mešić 2002).

In this paper we present 244 species belonging to 21 genera found on the territory of Croatia, of which we have revised 113 species. Out of the overall number 49 species belong to the family Agaricaceae, 32 species to the

family Amanitaceae, 111 species to the family Cortinariaceae, and 52 species to the family Hygrophoraceae. One genus and 38 species are reported for the first time from Croatia.

#### Marks and abbreviations:

- \* - taxon reported for the first time from Croatia in this paper;
- - at least part of records of taxon revised;
- (1) - number in brackets indicates synonym or misapplied name under which the author of the record has quoted taxon;
- ( ) - empty brackets indicate that the author of the record has also quoted the taxon under the name we use;
- ? - (a) question mark instead of an author of combination means that we could not find the author in the literature available to us; (b) question mark following the source of a published record or abbreviation of a collection means that the author himself doubted his original identification;
- = ? - taxon not found in modern taxonomic literature;
- Exs. - collections in which the dried material (exsiccatum) is deposited;
- HR? - taxon most probably found in the territory of Croatia (locality not precisely quoted);
- Incl. - including;
- Lit. - literature;
- Misappl. - misapplied name;
- Ref. - references (sources of records of taxon);
- rev. - revised (when we have revised records of other authors);
- unp. - unpublished data.

## SURVEY OF TAXA

### Familia Agaricaceae Fr.

*Agaricus* L. : Fr. emend. P. Karst.

(Lit.: Arnolds & al. 1995, Bohus 1990, Bollmann & al. 1996, Bon 1985, Cappelli 1984, Hansen & Knudsen 1992, Heinemann 1977, Kreisel 1987, Moser 1983, Noordeloos & al. 2001, Pilát 1951 a, Singer 1986)

*Agaricus albosericeus* Rauschert

= *Agaricus aestivalis* (F.H. Møller) Pilát (nom. illeg.) non *A. aestivalis* Schumach. (1)

Ref.: Focht 1974 (1)

*Agaricus annae* Pilát

= *Agaricus sylvaticus* Schaeff. : Fr. var. *pallens* Pilát (1)

Ref.: Barčić 1996 (1)

***Agaricus arvensis* Schaeff.**

= *Psalliota arvensis* (Schaeff.) P. Kumm. (1)

Ref.: Blagaić 1921 (1), Blagaić 1931 (1), Gjurašin 1898 (1), Lisiewska & Tortić 1990, Lorinser - Janda 1877 (1), Mužic & Božac 1984, Mužic & Božac 1997, Tortić 1964, unpub. Tortić ( ) (1), Schulzer 1857 HR?

• ***Agaricus augustus* Fr.**

= *Agaricus augustus* Fr. var. *albus* Moser (nom. illeg.) (1)

= *Agaricus bresadolae* (Schulzer) Sacc. (nom. illeg.) (2)

= *Psalliota bresadolae* Schulzer (nom. illeg.) (3)

= *Agaricus perrarus* Schulzer (4)

= *Psalliota perrara* (Schulzer) Bres. (5)

= *Agaricus augustus* Fr. var. *perrarus* (Schulzer) Bon et Cappelli

Ref.: Blagaić 1931 (5), Focht 1974 (1), Schulzer 1880 (4), Schulzer 1885 (3), Schulzer & al. 1866 (nom. nud.) (4), unpub. Mešić & Tkalčec, Saccardo 1887 HR? (2)

Exs.: CNF

(Lit.: Cappelli 1984, Hansen & Knudsen 1992)

***Agaricus bernardiiiformis* Bohus**

Ref.: Focht 1986

***Agaricus bisporus* (J.E. Lange) Imbach**

= *Psalliota hortensis* (Cooke) J.E. Lange var. *bispora* J.E. Lange (1)

= *Agaricus hortensis* (Cooke) Pilát (comb. illeg.) non *A. hortensis* Pers. : Fr. (2)

= *Psalliota hortensis* (Cooke) J.E. Lange (3)

Ref.: Božac 1982 (1), Božac 1984, Tortić 1968 b, unpub. Matočec (2), unpub. Tortić ( ) (3)

Exs.: CNF

• ***Agaricus bitorquis* (Quél.) Sacc.**

= *Psalliota bitorquis* Quél. (1)

= *Agaricus bitorquis* (Quél.) Sacc. var. *validus* (F.H. Møller) Bon et Cappelli (2)

Ref.: Božac 1982 (1), Božac 1984, Božac 1986, Božac 1989, Božac 1993, Focht 1972, Focht 1974, Focht 1979, Focht 1986 (2), Majstorović 1991, Tortić 1968 b, unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić

Exs.: CNF

(Lit.: Bohus 1990, Cappelli 1984)

***Agaricus bresadolanus* Bohus**

= *Agaricus radicans* (Vittad.) Romagn. (comb. illeg.) non *A. radicans* Relhan : Fr. (1)

= *Agaricus romagnesii* Wasser

Ref.: Focht 1974 (1), Focht 1979 (1), Focht 1986 HR?

• ***Agaricus campester* L. : Fr.**

= *Psalliota campestris* (L. : Fr.) Quél. (1)

Ref.: Blagaić 1921 (1), Blagaić 1931 (1), Božac 1989, Božac 1993, Focht 1972, Focht 1974, Focht 1979, Gjurašin 1898 (1), Jaap 1916 (1), Lorinser - Janda 1877 (1), Mužic & Božac 1997, Schulzer 1882 b, Schulzer & al. 1866, Škorić 1928 (1), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Vouk & Pevalek 1916 (1), unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1), Schulzer 1857 HR?

Exs.: CNF

(Lit.: Bohus 1990, Cappelli 1984, Hansen & Knudsen 1992)

• *Agaricus dulcidulus* Schulzer

Misappl.: *Agaricus semotus* Fr. sensu auct. non Fr. (1)

Ref.: Focht 1974 (1), Tortić 1968 b (1), Tortić 1973 (1), unpub. Mešić & Tkalčec, unpub. Tortić (1)

Exs.: CNF

(Lit.: Bohus 1990, Cappelli 1984)

\*• *Agaricus impudicus* (Rea) Pilát

= *Agaricus koelerionensis* (Bon) Bon

= *Agaricus variegans* F.H. Møller (1)

Ref.: unpub. Mešić & Tkalčec, Focht 1986 HR? (1)

Exs.: CNF

(Lit.: Bohus 1990, Cappelli 1984)

*Agaricus iodosmus* Heinem.

Ref.: Focht 1986

*Agaricus macrocarpus* (F.H. Møller) F.H. Møller

Ref.: Focht 1974

*Agaricus moelleri* Wasser

= *Agaricus meleagris* (Jul. Schäff.) Imbach (comb. illeg.) non *A. meleagris* Sowerby

= *Agaricus praeclaresquamosus* A.E. Freeman

Misappl.: *Agaricus placomyces* Peck sensu auct. europ. non Peck (1)

Ref.: Barčić 1982 (1), Barčić 1996 (1)

*Agaricus porphyrizon* P.D. Orton

Ref.: Focht 1986

• *Agaricus subperonatus* (J.E. Lange) Singer

= *Agaricus pseudovillaticus* Rauschert

= *Agaricus vaporarius* (Pers.) Moser ex Cappelli (nom. illeg.) non *A. vaporarius* Schrank

= *Agaricus campester* L. : Fr. var. *vaporarius* Pers. (1)

Ref.: Focht 1974, Schulzer & al. 1866 (1), unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Cappelli 1984, Hansen & Knudsen 1992, Noordeloos & al. 2001)

• *Agaricus sylvaticus* Schaeff. : Fr.

= *Psalliota sylvatica* (Schaeff. : Fr.) P. Kumm. (1)

Ref.: Blagaić 1921 (1), Blagaić 1931 (1), Schulzer & al. 1866, Škorić 1928 (1), unpub. Matočec, Schulzer 1857 HR?

•var. *sylvaticus*

= *Agaricus haemorrhoidarius* Schulzer

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Bohus 1990, Bon 1985, Cappelli 1984)

var. *pallidus* (F.H. Møller) F.H. Møller

Ref.: Barčić 1989

•*Agaricus sylvicola* (Vittad.) Peck

= *Psalliota sylvicola* (Vittad.) Richon et Roze (1)

= *Agaricus arvensis* Schaeff. subsp. *sylvicola* (Vittad.) ? (2)

= *Psalliota arvensis* Schaeff. subsp. *sylvicola* (Vittad.) Jul. Schäff. (3)

= *Agaricus essettei* Bon

Misappl.: *Agaricus abruptibulbus* Peck sensu auct. europ. non Peck (4)

Misappl.: *Psalliota abruptibulba* (Peck) Kauffman sensu auct. europ. non Peck (5)

Ref.: Božac 1982 (5), Božac 1984 (4), Božac 1986 (4), Božac 1989 (4), Božac 1993 (4), Focht 1974, Focht 1986 (4), Kranjčev 1979 (1), Tortić 1964, unpub. Matočec (4), unpub. Tortić ( ) (2)(3), unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Bohus 1990, Cappelli 1984, Nordeloos & al. 2001)

•*Agaricus urinascens* (F.H. Møller et Jul. Schäff.) Singer

= *Agaricus albertii* Bon

= *Agaricus macrosporus* (F.H. Møller et Jul. Schäff.) Pilát (comb. illeg.) non *A. macrosporus* Mont. (1)

= *Psalliota macrospora* (F.H. Møller et Jul. Schäff.) F.H. Møller (2)

Ref.: Božac 1982 (2), Božac 1984 (1), Božac 1986 (1), Božac 1989 (1), Božac 1993 (1), Kranjčev 1995 (1), Stropnik & al. 1988 (1), Vrščaj 1990 (1), unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Bohus 1990, Cappelli 1984)

•*Agaricus xanthodermus* Genev.

= *Psalliota xanthoderma* (Genev.) Richon et Roze (1)

= *Agaricus xanthodermus* Genev. var. *lepiotoides* Maire

= *Agaricus meleagris* (Jul. Schäff.) Imbach var. *lepiotoides* (Maire) ? (2)

= *Agaricus pseudocretaceus* Bon

Ref.: Focht 1979 ( ) (2), Kranjčev 1983 (1), unpub. Mešić & Tkalčec, unpub. Tortić

Exs.: CNF

(Lit.: Bohus 1990, Cappelli 1984)

## MOST PROBABLY FOUND IN THE TERRITORY OF CROATIA

*Agaricus bernardii* (Quél.) Sacc.

Ref.: Focht 1986 HR?

*Chamaemyces* Battarra ex Earle

(Lit.: Arnolds &amp; al. 1995, Bon 1993, Candusso &amp; Lanzoni 1990, Hansen &amp; Knudsen 1992, Kreisel 1987, Moser 1983, Noordeloos &amp; al. 2001, Singer 1986)

• *Chamaemyces fracidus* (Fr.) Donk= *Chamaemyces demisannulus* (Fr.) Moser

Ref.: Božac 1984, unpub. Mešić &amp; Tkalčec

Exs.: CNF

(Lit.: Candusso &amp; Lanzoni 1990, Hansen &amp; Knudsen 1992, Moser 1983)

*Cystoderma* Fayod

(Lit.: Arnolds &amp; al. 1995, Bollmann &amp; al. 1996, Hansen &amp; Knudsen 1992, Kreisel 1987, Moser 1983, Singer 1986, Wasser 1993, Watling &amp; Turnbull 1998)

• *Cystoderma amianthinum* (Scop.) Fayod

Ref.: Tortić 1966 a, Tortić 1966 b, unpub. Mešić &amp; Tkalčec, unpub. Tortić

Exs.: CNF

(Lit.: Hansen &amp; Knudsen 1992, Moser 1983)

• *Cystoderma carcharias* (Pers.) Fayod

Ref.: Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, unpub. Matočec, unpub. Mešić &amp; Tkalčec, unpub. Tortić

Exs.: CNF

(Lit.: Hansen &amp; Knudsen 1992, Moser 1983, Wasser 1993)

*Cystoderma granulosum* (Batsch : Fr.) Fayod

Ref.: Tortić 1966 a, Tortić 1966 b, unpub. Tortić

Exs.: CNF

• *Cystoderma terrei* (Berk. et Broome) Harmaja= *Cystoderma cinnabarinum* (Alb. et Schwein.) Fayod (1)

Ref.: Focht 1974 (1), unpub. Mešić &amp; Tkalčec

Exs.: CNF

(Lit.: Hansen &amp; Knudsen 1992, Moser 1983, Wasser 1993)

*Cystolepiota* Singer

(Lit.: Arnolds &amp; al. 1995, Bollmann &amp; al. 1996, Bon 1981, Bon 1993, Candusso &amp; Lanzoni 1990, Hansen &amp; Knudsen 1992, Kreisel 1987, Moser 1983, Noordeloos &amp; al. 2001, Singer 1986)

- ***Cystolepiota bucknallii*** (Berk. et Broome) Singer et Clémenton  
 = *Lepiota bucknallii* (Berk. et Broome) Sacc. (1)  
 Ref.: Tortić & Jelić 1970 (1), unip. Matočec (1), unip. Mešić & Tkalčec,  
 unip. Tortić (1)  
 Exs.: CNF  
 (Lit.: Bon 1993, Moser 1983)

- Cystolepiota seminuda*** (Lasch) Bon  
 = *Lepiota seminuda* (Lasch) P. Kumm. (1)  
 Misappl.: *Cystolepiota sistrata* (Fr. : Fr.) Singer ex Bon et Bellù sensu  
 auct. non Fr. (2)  
 Ref.: Focht 1974 (1), unip. Tortić (2)

### ***Lepiota*** (Pers.) Gray

- = ***Echinoderma*** (Locq. ex Bon) Bon

(Lit.: Arnolds & al. 1995, Bollmann & al. 1996, Bon 1981, Bon 1993,  
 Candusso & Lanzoni 1990, Enderle & Krieglsteiner 1989, Hansen &  
 Knudsen 1992, Kreisel 1987, Moser 1983, Noordeloos & al. 2001,  
 Singer 1986)

- ***Lepiota aspera*** (Pers. : Fr.) Quéf.  
 = *Echinoderma asperum* (Pers. : Fr.) Bon  
 = *Echinoderma acutesquamosum* (Weinm.) Bon  
 = *Lepiota acutesquamosa* (Weinm.) P. Kumm. (1)  
 = *Echinoderma friesii* (Lasch : Fr.) Bon  
 Ref.: Barčić 1982, Barčić 1996 ( ) (1), Blagaić 1921 (1), Blagaić 1931  
 (1), Focht 1979 (1), Lisiewska & Tortić 1990, Tortić 1964 (1), Tortić  
 1966 a (1), Tortić 1966 b (1), Vouk & Pevalék 1916 (1), unip. Lisiewska,  
 unip. Matočec (1), unip. Mešić & Tkalčec, unip. Tortić ( ) (1)  
 Exs.: CNF, POZM  
 (Lit.: Bon 1993, Candusso & Lanzoni 1990, Hansen & Knudsen 1992)

### ***Lepiota boudieri*** Bres.

- = *Lepiota fulvella* Rea (1)  
 Ref.: Tortić 1973 (1), unip. Tortić (1)

### ***Lepiota brunneoincarnata*** Chodat et C. Martin

- Ref.: Focht 1979, Focht 1983 b

### ***Lepiota clypeolaria*** (Bull. : Fr.) P. Kumm.

- = *Agaricus clypeolaris* Bull. : Fr. (1)  
 Ref.: Gjurašin 1898, Lisiewska & Tortić 1990, Schulzer & al. 1866 (1),  
 Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić & Lisiewska 1978, unip.  
 Lisiewska, unip. Tortić  
 Exs.: POZM

### ***Lepiota cristata*** (Bolton : Fr.) P. Kumm.

- = *Lepiota subfelinoides* Bon et P.D. Orton

Ref.: Focht 1974, Focht 1979, Tortić 1964, Tortić 1966 a, Tortić 1966 b,  
unp. Matočec, unp. Tortić, Focht 1986 HR?  
Exs.: CNF

***Lepiota erminea*** (Fr. : Fr.) P. Kumm.

= *Agaricus ermineus* Fr. : Fr. (1)

- as *Agaricus "eminens"* Fr. (2)

= *Lepiota alba* (Bres.) Sacc. (3)

Ref.: Božac 1984 (3), Schulzer & al. 1866 (2) + Schulzer 1867 (1) , unp.  
Tortić (3)

***Lepiota felina*** (Pers.) P. Karst.

Ref.: Kišpatić 1950

***Lepiota helveola*** Bres.

Ref.: Barčić 1982, Barčić 1996, Focht 1983 b

***Lepiota magnispora*** Murrill

= *Lepiota ventriospora* D.A. Reid (1)

Misappl.: *Lepiota metulispora* (Berk. et Broome) Sacc. sensu Bres. non  
Berk. et Broome (2)

Ref.: Tortić 1968 b (2), unp. Matočec (1), unp. Tortić (1)(2)

***Leucoagaricus*** (Locq.) ex Singer

(Lit.: Arnolds & al. 1995, Bollmann & al. 1996, Bon 1981,  
Bon 1993, Candusso & Lanzoni 1990, Hansen & Knudsen  
1992, Kreisel 1987, Moser 1983, Noordeloos & al. 2001,  
Reid 1990, Singer 1986, Wasser 1993)

• ***Leucoagaricus americanus*** (Peck) Vellinga

= *Lepiota americana* (Peck) Sacc.

= *Lepiota bresadolae* Schulzer (1)

= *Leucoagaricus bresadolae* (Schulzer) Bon

= *Leucocoprinus bresadolae* (Schulzer) Wasser (2)

= *Agaricus cupreus* Schulzer (nom. illeg.) (3)

Ref.: Schulzer 1878 (3), Schulzer 1885 (1), Tortić 1993 (2), unp. Kotlaba  
(according to unp. Tortić) (1), unp. Mešić & Tkalčec, Saccardo 1887  
HR? (1)

Exs.: CNF, PRM (1)

(Lit.: Bon 1993, Reid 1990)

***Leucoagaricus badhamii*** (Berk. et Broome) Singer

= *Leucocoprinus badhamii* (Berk. et Broome) Locq. (1)

Ref.: Božac 1984 (1), Božac 1986 (1), Božac 1989 (1), Božac 1993 (1),  
Focht 1986 (1)

***Leucoagaricus holosericeus*** (Fr.) Moser

Ref.: Kranjčev 1995



• ***Leucoagaricus leucothites*** (Vittad.) Wasser

= *Lepiota naucina* (Fr.) P. Kumm. (1)

= *Leucoagaricus naucinus* (Fr.) Singer

Misappl.: *Lepiota pudica* (Bull.) Quél. sensu auct. non Bull. (2)

(sensu Bull. = nom. conf. - Noordeloos & al. 2001)

Misappl.: *Leucoagaricus pudicus* (Bull.) Bon sensu auct. non Bull. (3)

Ref.: Barčić 1982 (3), Barčić 1996 (3), Blagaić 1923 (2), Blagaić 1931 (1), Focht 1983 b (3), Tortić 1964 (3), unpubl. Matočec (3), unpubl. Mešić & Tkalčec, unpubl. Tortić (1)(2)

Exs.: CNF

(Lit.: Bon 1993)

***Leucoagaricus littoralis*** (Menier) Bon et Boiffard

Ref.: Focht 1986

***Macrolepiota*** Singer

(Lit.: Arnolds & al. 1995, Bellù & Lanzoni 1987, Bon 1981, Bon 1993, Candusso & Lanzoni 1990, Hansen & Knudsen 1992, de Kok & Vellinga 1998, Kreisel 1987, Moser 1983, Noordeloos & al. 2001, Pázmány 1985, Singer 1986, Wasser 1993)

***Macrolepiota excoriata*** (Schaeff. : Fr.) Wasser

= *Agaricus excoriatus* Schaeff. : Fr. (1)

= *Lepiota excoriata* (Schaeff. : Fr.) P. Kumm. (2)

Ref.: Božac 1984, Focht 1979 (2), Gjurašin 1898 (2), Schulzer & al. 1866 (1), Tortić & Lisiewska 1978, unpubl. Lisiewska, unpubl. Matočec (2), unpubl. Tortić, Schuler 1857 HR? (1)

Exs.: POZM

• ***Macrolepiota mastoidea*** (Fr. : Fr.) Singer

= *Macrolepiota konradii* (Huijsman ex P.D. Orton) Moser (1)

= *Macrolepiota rickenii* (Velen.) Bellù et Lanzoni

Misappl.: *Lepiota gracilentata* (Krombh.) Quél. sensu auct. non Krombh. (2)

(sensu Krombh. = ? *Chlorophyllum molybdites* (G. Mey. : Fr.)

Massee - Bellù & Lanzoni 1987)

Misappl.: *Macrolepiota gracilentata* (Krombh.) Wasser sensu auct. non Krombh. (3)

Ref.: Focht 1979 (2), Focht 1986 (1), Tortić 1964, Tortić 1964 ? (3), Tortić 1973, unpubl. Matočec, unpubl. Mešić & Tkalčec

Exs.: CNF

(Lit.: Noordeloos & al. 2001)

\* ***Macrolepiota nymphaeum*** (Kalchbr.) Wasser

= *Leucoagaricus nymphaeum* (Kalchbr.) Bon

= *Lepiota puellaris* (Fr.) Rea (1)

= *Macrolepiota puellaris* (Fr.) Moser

Ref.: unpubl. Matočec (1)

***Macrolepiota permixta*** (Barla) Pacioni

= *Lepiota permixta* Barla (1)

= *Macrolepiota procera* (Scop. : Fr.) Singer var. *permixta* (Barla)

Candusso

Ref.: Focht 1974 (1)

• ***Macrolepiota procera*** (Scop. : Fr.) Singer

= *Agaricus procerus* Scop. : Fr. (1)

= *Lepiota procera* (Scop. : Fr.) Gray (2)

Ref.: Barčić 1989, Barčić 1996, Blagaić 1921 (2), Blagaić 1931 (2), Focht 1972, Focht 1974 (2), Focht 1979 (2), Focht 1983 b, Focht 1986, Gjurašin 1898 (2), Kranjčev 1979, Kranjčev 1986, Kranjčev 1995 (2), Lorinser - Janda 1877 (2), Mužic & Božac 1997, Schulzer & al. 1866 (1), Škorić 1928 (2), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1994, Tortić & Lisiewska 1978, Urbani 1946 (2), Vouk & Pevalek 1915 (2), unpubl. Matočec, unpubl. Mešić & Tkalčec, unpubl. Tortić ( ) (2), Schulzer 1857 HR? (1)

Exs.: CNF

(Lit.: Bon 1993, Candusso & Lanzoni 1990)

• ***Macrolepiota rachodes*** (Vittad.) Singer

= *Lepiota rachodes* (Vittad.) Quélet (1)

= *Macrolepiota rachodes* (Vittad.) Singer var. *bohemica* (Wichansky)

Bellù et Lanzoni

= *Macrolepiota olivieri* (Barla) Wasser

Misappl.: *Macrolepiota rachodes* (Vittad.) Singer var. *hortensis* (Pilát)

Wasser (nom. inval.) sensu auct. non Pilát (2)

Ref.: Božac 1989 (2), Božac 1993 (2), Kišpatić 1950 (1), Kranjčev 1995, Tortić 1964, unpubl. Matočec, unpubl. Mešić & Tkalčec, unpubl. Tortić (1)

Exs.: CNF

(Lit.: Bon 1993, Candusso & Lanzoni 1990)

\* ***Melanophyllum*** Velen.

(Lit.: Arnolds & al. 1995, Bollmann & al. 1960, Bon 1981, Bon 1993, Candusso & Lanzoni 1990, Hansen & Knudsen 1992, Kreisel 1987, Moser 1983, Noordeloos & al. 2001, Singer 1986)

• ***Melanophyllum haematospermum*** (Bull. : Fr.) Kreisel

= *Melanophyllum echinatum* (Roth : Fr.) Singer

Ref.: unpubl. Mešić & Tkalčec

Exs.: CNF

(Lit.: Candusso & Lanzoni 1990, Moser 1983)

***Phaeolepiota* Maire ex Konrad et Maubl.**

(Lit.: Arnolds & al. 1995, Hansen & Knudsen 1992, Kreisel 1987, Moser 1983, Singer 1986, Wasser 1993)

• ***Phaeolepiota aurea* (Matt. : Fr.) Maire ex Konrad et Maubl.**

= *Agaricus aureus* Matt. : Fr. (1)

Ref.: Schulzer & al. 1866 (1) + Schulzer 1867 (1), unpub. Lindtner, unpub. Matočec, unpub. Mešić & Tkalčec

Exs.: BEO, CNF

(Lit.: Hansen & Knudsen 1992, Moser 1983, Wasser 1993)

Familia **Amanitaceae** R. Heim ex Pouzar***Amanita* Pers.**

(Lit.: Arnolds & al. 1995, Bas 1969, Dennis & al. 1960, Fraiture 1993, Fries 1821, Fries 1874, Gilbert 1940-1941, Hansen & Knudsen 1992, Kreisel 1987, Merlo & Traverso 1983, Moser 1983, Neville & Poumarat 1996, Parrot 1960, Singer 1986)

***Amanita battarrae* (Boud.) Bon**

= *Amanita umbrinolutea* (Secr. ex Gillet) Bataille (1)

Ref.: Barčić 1989 (1), Barčić 1996 (1), Focht 1974 (1), Tortić 1973 (1), unpub. Matočec (1), unpub. Tortić (1), Tortić 1993 ? (1)

Exs.: CNF

***Amanita beckeri* Huijsman**

Ref.: Božac 1984, Focht 1986, unpub. Matočec

• ***Amanita caesarea* (Scop. : Fr.) Pers.**

= *Agaricus caesareus* Scop. : Fr. (1)

Ref.: Focht 1974, Focht 1979, Focht 1981 b, Focht 1986, Kranjčev 1995, Lange 1974, Lorinser - Janda 1877, Schulzer & al. 1866 (1), Tortić 1964, Tortić 1970, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unpub. Mešić & Tkalčec, unpub. Tortić, Schulzer 1857 HR? (1)

Exs.: CNF

(Lit.: Merlo & Traverso 1983, Moser 1983)

• ***Amanita ceciliae* (Berk. et Broome) Bas**

= *Amanita inaurata* Secr. ex Gillet (1)

Misappl.: *Amanita strangulata* (Fr.) Quélet. sensu auct. non Fr. 1836-1838 (2)

Misappl.: *Amanitopsis strangulata* (Fr.) Roze sensu auct. non Fr. 1836-1838 (3)

Ref.: Blagaić 1921 (3), Božac 1982 (2), Božac 1984 (1), Božac 1986 (1), Božac 1989 (1), Božac 1993 (1), Fraiture 1993 (2), Tortić 1968 b (1), Tortić & Lisiewska 1978 (1), unpub. Mešić & Tkalčec, unpub. Tortić (1)

Exs.: CNF

(Lit.: Fraiture 1993)

- ***Amanita citrina*** (Schaeff. →) Pers.  
 = *Amanita mappa* (Batsch) Quél. var. *citrina* (Schaeff. → Pers.) ? (1)  
 = *Amanita mappa* (Batsch) Quél. (2)  
 Ref.: Barčić 1982, Barčić 1996, Blagaić 1921 (1), Gjurašin 1898, Kranjčev 1979, Lange 1974, Lisiewska & Tortić 1990 (2), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unsp. Matočec, unsp. Tortić  
 Exs.: BEO, CNF
  - var. ***citrina***  
 = *Agaricus phalloides* Vaill. ex Fr. : Fr. var. *citrinus* (Schaeff. → Pers.) ? (3)  
 = *Agaricus phalloides* Vaill. ex Fr. : Fr. var. "b. - pil. flavo" Fr. 1821 (4)  
 Ref.: Schulzer & al. 1866 (3), unsp. Mešić & Tkalčec, Schulzer 1857 HR? (4)  
 Exs.: CNF  
 (Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983, Moser 1983)
  - var. ***alba*** (Gillet) J.-E. Gilbert  
 = *Agaricus phalloides* Vaill. ex Fr. : Fr. var. *bulbosus* (Schaeff.) ? (5)  
 Ref.: Božac 1984, Schulzer & al. 1866 (5)
- ***Amanita crocea*** (Quél.) Singer  
 = *Amanita vaginata* (Bull. : Fr.) Lam. var. *crocea* Quél. (1)  
 Ref.: Focht 1979 (1), Fraiture 1993, Tortić & Lisiewska 1978, unsp. Mešić & Tkalčec, unsp. Tortić (1)  
 Exs.: CNF  
 (Lit.: Fraiture 1993)
- ***Amanita eliae*** Quél.  
 = *Amanita gemmata* (Fr.) Bertillon var. *eliae* (Quél.) ? (1)  
 Ref.: Božac 1984, Focht 1979, Focht 1986, Tortić 1964, unsp. Matočec, unsp. Mešić & Tkalčec, unsp. Tortić ( ) (1)  
 Exs.: CNF  
 (Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983, Moser 1983)
- ***Amanita excelsa*** (Fr. : Fr.) Bertillon  
 = *Amanita spissa* (Fr.) Opiz (1)  
 Ref.: Barčić 1989 (1), Barčić 1996 (1), Focht 1983 b (1), Škorić 1928, Tortić 1964 (1), Tortić 1966 a (1), Tortić 1966 b (1), Tortić & Lisiewska 1978 (1), Vouk & Pevalek 1916 (1), unsp. Matočec (1), unsp. Mešić & Tkalčec, unsp. Tortić (1), Focht 1986 HR?  
 Exs.: CNF  
 (Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983, Moser 1983)

***Amanita flavescens*** (J.-E. Gilbert et S. Lundell) Contu

= *Amanita vaginata* (Bull. : Fr.) Lam. var. *flavescens* J.-E. Gilbert et S. Lundell (1)  
 Ref.: Božac 1984 (1)

• ***Amanita franchetii*** (Boud.) Fayod

Misappl.: *Amanita aspera* (Fr. : Fr.) Gray sensu auct. non Fr. (1)  
 Ref.: Božac 1984 (1), Stropnik & al. 1988 (1), Tortić 1968 b (1), unpub. Mešić & Tkalčec, unpub. Tortić (1), Focht 1986 HR? (1)  
 Exs.: CNF  
 (Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983, Moser 1983)

***Amanita friabilis*** (P. Karst.) Bas

Ref.: Focht 1986

• ***Amanita fulva*** (Schaeff.) Fr.

= *Agaricus vaginatus* Bull. : Fr. var. *fulvus* (Schaeff.) Loudon (1)  
 = *Amanita vaginata* (Bull. : Fr.) Lam. var. *fulva* (Schaeff.) Gillet (2)  
 Ref.: Focht 1972 (2), Focht 1974 (2), Focht 1986, Fraiture 1993, Tortić & Lisiewska 1978, unpub. Mešić & Tkalčec, unpub. Tortić, Schulzer 1857 HR? (1)  
 Exs.: CNF  
 (Lit.: Fraiture 1993)

• ***Amanita gemmata*** (Fr.) Bertillon

= *Amanita junquillea* Quél. (1)  
 Ref.: Barčić 1982, Barčić 1996, Focht 1979, Gjurašin 1898 (1), Tortić 1964, Tortić & Lisiewska 1978, unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić  
 Exs.: CNF  
 (Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983, Moser 1983)

***Amanita gilbertii*** Beauseign.

Ref.: Focht 1986

• ***Amanita lepiotoides*** Barla

Ref.: Božac 1984, Focht 1986, unpub. Mešić & Tkalčec  
 Exs.: CNF  
 (Lit.: Merlo & Traverso 1983)

***Amanita lividopallescens*** (Gillet) Seyot

= *Amanita vaginata* (Bull. : Fr.) Lam. var. *lividopallescens* Gillet (1)  
 Ref.: Barčić 1982, Barčić 1996, Focht 1974, Focht 1979 (1), Focht 1986 HR?

***Amanita lividopallescens*** (Gillet) Seyot **sensu lato**

Ref.: Fraiture 1993  
 Annotation: Fraiture (1993) uses term "complex" instead of term "sensu lato".

\*• *Amanita mairei* Foley

= *Amanita argentea* Huijsman  
 Ref.: unp. Mešić & Tkalčec  
 Exs.: CNF  
 (Lit.: Fraiture 1993, Moser 1983)

• *Amanita muscaria* (L. : Fr.) Lam.

= *Agaricus muscarius* L. : Fr. (1)  
 Ref.: Focht 1979, Focht 1986, Gjurašin 1898, Kranjčev 1979, Kranjčev 1986, Lorinser - Janda 1877, Schulzer & al. 1866 (1), Škorić 1928, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Tortić 1994, Tortić & Lisiewska 1978, Vouk & Pevalek 1915, Vouk & Pevalek 1916, unp. Matočec, unp. Mešić & Tkalčec, unp. Tortić  
 Exs.: CNF  
 (Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983, Moser 1983)

• *Amanita ovoidea* (Bull. : Fr.) Link

Ref.: Blagaić 1921, Božac 1982, Božac 1984, Božac 1986, Božac 1989, Božac 1993, Focht 1974, Focht 1979, Focht 1986, unp. Mešić & Tkalčec, unp. Tortić, Focht 1983 b HR?  
 Exs.: CNF  
 (Lit.: Merlo & Traverso 1983)

• *Amanita pantherina* (DC. : Fr.) Krombh.

= *Agaricus pantherinus* DC. : Fr. (1)  
 = *Amanita umbrina* Pers. (2)  
 Ref.: Barčić 1982, Barčić 1984, Barčić 1996, Focht 1974, Focht 1983 b, Forenbacher 1915 (2), Gjurašin 1898, Kranjčev 1979, Lorinser - Janda 1877, Schulzer & al. 1866 (1), Škorić 1928 (2), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1993, Tortić & Lisiewska 1978, Vouk & Pevalek 1916 (2), unp. Matočec, unp. Tortić, Schulzer 1857 HR? (1)  
 Exs.: CNF

• var. *pantherina*

Ref.: Focht 1986 (as *A. pantherina*), unp. Mešić & Tkalčec  
 Exs.: CNF  
 (Lit.: Merlo & Traverso 1983, Moser 1983)

var. *abietum* (J.-E. Gilbert) Veselý

Ref.: Focht 1986

• *Amanita phalloides* (Vaill. ex Fr. : Fr.) Link

Ref.: Focht 1974, Focht 1979, Gjurašin 1898, Kranjčev 1979, Lange 1974, Lisiewska & Tortić 1990, Lorinser - Janda 1877, Mužic & Božac 1997, Tortić 1958, Tortić 1964, Tortić & Lisiewska 1978, unp. Lindtner, unp. Matočec, unp. Tortić  
 Exs.: BEO, CNF

•var. *phalloides*

= *Agaricus phalloides* Vaill. ex Fr. : Fr. var. "d. - pil. olivaceo-viridi" Fr. 1821 (1)

Ref.: Focht 1986, unpub. Mešić & Tkalčec, Schulzer 1857 HR? (1)

Exs.: CNF

(Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983, Moser 1983)

var. *alba* J.-E. Gilbert

- as *Amanita phalloides* (Vaill. ex Fr. : Fr.) Link var. *verna* Bull. (2)

Ref.: Božac 1984, Focht 1983 b (2), Focht 1986

•*Amanita porphyria* (Alb. et Schwein. : Fr.) Mladý

Ref.: Tortić 1993, unpub. Mešić & Tkalčec, unpub. Tortić

Exs.: CNF

(Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983, Moser 1983)

*Amanita regalis* (Fr.) Michael

= *Amanita muscaria* (L. : Fr.) Lam. var. *regalis* (Fr.) Sacc. (1)

Ref.: Focht 1979 (1), Focht 1983 b, Focht 1986

•*Amanita rubescens* Pers. : Fr.

= *Agaricus rubescens* (Pers. : Fr.) Fr. (1)

= *Amanita pseudorubescens* Herrfurth (2)

= *Amanita pustulata* (Schaeff.) J. Schröt. (3)

Ref.: Barčić 1989, Barčić 1996, Blagaić 1931, Focht 1979 (2), Focht 1986, Kranjčev 1979, Kranjčev 1986, Lisiewska & Tortić 1990, Lorinser - Janda 1877, Schulzer & al. 1866 (1), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1993, Tortić & Lisiewska 1978, Vouk & Pevalek 1916 (3), unpub. Matočec, unpub. Tortić, Focht 1979 HR?, Schulzer 1857 HR? (1)

Exs.: CNF

•var. *rubescens*

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983)

\*var. *annulosulphurea* Gillet

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Hansen & Knudsen 1992, Merlo & Traverso 1983)

•*Amanita solitaria* (Bull. : Fr.) Mérat

= *Amanita echinocephala* (Vittad.) Quél. (1)

Ref.: Bas 1969, Božac 1982 (1), Božac 1984 (1), Tortić 1965 (1), unpub. Mešić & Tkalčec, unpub. Tortić (1), Focht 1986 HR? (1)

Exs.: CNF, L

(Lit.: Bas 1969)

• ***Amanita strobiliformis*** (Paulet ex Vittad.) Bertillon

Misappl.: *Amanita solitaria* (Bull. : Fr.) Mérat sensu auct. non Bull. (1)  
 Ref.: Božac 1982 (1), Božac 1984, Božac 1986, Božac 1989, Božac 1993, Focht 1974 (1), Focht 1986, Lange 1974, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1993, unpubl. Mešić & Tkalčec, unpubl. Tortić ( ) (1), Focht 1979 HR? (1), Focht 1983 b HR?

Exs.: CNF

(Lit.: Bas 1969)

• ***Amanita vaginata*** (Bull. : Fr.) Lam.

= *Agaricus vaginatus* Bull. : Fr. (1)

= *Amanitopsis vaginata* (Bull. : Fr.) Roze (2)

Ref.: Barčić 1982, Barčić 1996, Blagaić 1921 (2), Focht 1974, Fraiture 1993, Gjurašin 1898, Lisiewska & Tortić 1990, Schulzer 1882 a (1), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić & Lisiewska 1978, unpubl. Matočec, unpubl. Tortić

• var. ***vaginata***

= *Agaricus vaginatus* Bull. : Fr. var. "b. - pil. griseo, livido" Fr. 1821 (3)

= *Amanita vaginata* (Bull. : Fr.) Lam. var. *grisea* (DC.) Quélet et Bataille (4)

= *Amanitopsis plumbea* (Schaeff.) Fayod (5)

= *Amanita vaginata* (Bull. : Fr.) Lam. var. *plumbea* (Schaeff.) Quélet et Bataille (6)

Ref.: Focht 1972 (4), Focht 1974 (4)(6), Schulzer & al. 1866 (3), Vouk & Pevalek 1916 (5), unpubl. Mešić & Tkalčec, Schulzer 1857 HR? (3)

Exs.: CNF

(Lit.: Fraiture 1993)

var. ***alba*** (De Seynes) Gillet

= *Amanitopsis plumbea* (Schaeff.) Fayod var. *alba* (De Seynes) J. Schröt. (7)

Ref.: Focht 1974, Škorić 1928 (7), Vouk & Pevalek 1916 (7)

var. ***badia*** (Schaeff.) Quélet et Bataille

= *Amanitopsis plumbea* (Schaeff.) Fayod var. *badia* (Schaeff.) J. Schröt. (8)

Ref.: Škorić 1928 (8), Vouk & Pevalek 1916 (8)

***Amanita vaginata*** (Bull. : Fr.) Lam. **sensu lato**

Ref.: Tortić 1993

***Amanita verna*** (Bull. : Fr.) Lam.

= *Amanita verna* (Bull. : Fr.) Lam. var. *verna* (1)

Ref.: Focht 1983 b, Focht 1986 HR? (1)



***Amanita virosa*** (Fr.) Bertillon

Ref.: Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, unsp. Tortić

Exs.: CNF

***Amanita vittadinii*** (Moretti) Vittad.

Ref.: Focht 1974, Focht 1986, Focht 1979 HR?

## MOST PROBABLY FOUND IN THE TERRITORY OF CROATIA

***Amanita boudieri*** Barla

Ref.: Focht 1986 HR?

***Amanita codinae*** (Maire) Singer

Ref.: Focht 1986 HR?

***Amanita curtipes*** J.-E. Gilbert

Ref.: Focht 1986 HR?

***Amanita lactea*** Malençon, Romagn. et D.A. Reid

Ref.: Focht 1983 b HR?, Focht 1986 HR?

***Limacella*** Earle

(Lit.: Arnolds &amp; al. 1995, Bollmann &amp; al. 1996, Hansen &amp; Knudsen 1992, Kreisel 1987, Moser 1983, Singer 1986)

***Limacella guttata*** (Pers. : Fr.) Konrad et Maubl.= *Amanita lenticularis* (Lasch : Fr.) J.E. Lange (1)= *Limacella lenticularis* (Lasch : Fr.) Maire (2)

Ref.: Focht 1974 (2), Vouk &amp; Pevalek 1916 (1)

***Limacella illinita*** (Fr. : Fr.) Murrill= *Lepiota illinita* (Fr. : Fr.) Quéf. (1)

Ref.: Božac 1984, Vouk &amp; Pevalek 1915 (1), unsp. Matočec, unsp. Tortić

Exs.: CNF

Familia **Cortinariaceae** R. Heim ex Pouzar***Alnicola*** KühnerMisappl.: *Naucoria* (Fr.) P. Kumm. sensu auct. non Fr.

(sensu Fr. = nom. conf. - Arnolds &amp; al. 1995)

(Lit.: Arnolds &amp; al. 1995, Bollmann &amp; al. 1996, Bon 1992, Hansen &amp; Knudsen 1992, Kreisel 1987, Moser 1983, Singer 1986)

**\**Alnicola melinoides*** (Bull. : Fr.) KühnerMisappl.: *Alnicola escharoides* (Fr. : Fr.) Romagn. sensu auct. non Fr. (1)

(sensu Fr. = nom. dub. - Singer 1986)

Misappl.: *Naucoria escharoides* (Fr. : Fr.) P. Kumm. sensu auct. non Fr.

Ref.: unsp. Tortić (1)

Exs.: CNF

***Alnicola scolecina*** (Fr.) Romagn.  
 = *Naucoria scolecina* (Fr.) Quél.  
 Ref.: Tortić 1968 b, unpub. Tortić  
 Exs.: CNF

***Cortinarius*** (Pers.) Roussel  
 = *Dermocybe* (Fr.) Wünsche

(Lit.: Arnold 1993, Arnolds & al. 1995, Bollmann & al. 1996,  
 Dennis & al. 1960, Fries 1836-1838, Fries 1874, Hansen &  
 Knudsen 1992, Høiland 1984, Kreisel 1987, Moser 1960, Moser  
 1983, Nespiak 1975, Nespiak 1981, Nezdjominogo 1983, Singer  
 1986)

***Cortinarius affinis*** Allesch.  
 Ref.: Vouk & Pevalek 1915

***Cortinarius alboviolaceus*** (Pers. : Fr.) Fr.  
 Ref.: Lisiewska & Tortić 1990, unpub. Tortić

\*•***Cortinarius armillatus*** (Fr. : Fr.) Fr.  
 Ref.: unpub. Mešić & Tkalčec  
 Exs.: CNF  
 (Lit.: Moser 1983)

\****Cortinarius atrovirens*** Kalchbr.  
 = *Phlegmacium atrovirens* (Kalchbr.) Ricken (1)  
 Ref.: unpub. Tortić (1)  
 Exs.: CNF

***Cortinarius azureus*** Fr.  
 = *Phlegmacium azureum* (Fr.) Moser (1)  
 Ref.: Tortić 1968 b (1), Tortić & Lisiewska 1978, unpub. Tortić (1)  
 Exs.: CNF

***Cortinarius bivelus*** (Fr. : Fr.) Fr.  
 Ref.: Tortić & Lisiewska 1978, Vouk & Pevalek 1915, unpub. Lisiewska,  
 unpub. Tortić  
 Exs.: POZM

•***Cortinarius bolaris*** (Pers. : Fr.) Fr.  
 Ref.: Focht 1983 b, Focht 1986, unpub. Matočec, unpub. Mešić & Tkalčec,  
 unpub. Tortić  
 Exs.: CNF  
 (Lit.: Hansen & Knudsen 1992, Moser 1983)

***Cortinarius bovinus*** Fr.  
 Ref.: Tortić & Lisiewska 1978, unpub. Lisiewska  
 Exs.: POZM

***Cortinarius brunneofulvus* Fr.**

Ref.: Vouk &amp; Pevalek 1915

***Cortinarius bulliardii* (Pers. : Fr.) Fr.**= *Hydrocybe bulliardii* (Pers. : Fr.) ? (1)

Ref.: Schulzer &amp; al. 1866, Tortić 1964 (1), Tortić &amp; Lisiewska 1978, unpub. Tortić

Exs.: CNF

***Cortinarius caesiocyaneus* Britzelm.**= *Phlegmacium caesiocyaneum* (Britzelm.) Moser (1)

Ref.: Tortić 1968 b (1), Tortić &amp; Lisiewska 1978, unpub. Tortić ( ) (1)

Exs.: CNF

***Cortinarius castaneus* (Bull. : Fr.) Fr.**

Ref.: Schulzer &amp; al. 1866

**\**Cortinarius cinnabarinus* Fr.**= *Dermocybe cinnabarina* (Fr.) Wünsche (1)

Ref.: Kranjčev 1995 (1), Tortić 1968 b (1), unpub. Mešić &amp; Tkalčec, unpub. Tortić ( ) (1)

Exs.: CNF

(Lit.: Høiland 1984)

***Cortinarius cinnamomeoluteus* P.D. Orton**= *Dermocybe cinnamomeolutea* (P.D. Orton) Moser (1)

Ref.: Tortić &amp; Lisiewska 1978 (1)

***Cortinarius cinnamomeus* (L. : Fr.) Fr. *sensu lato***Incl.: *Cortinarius cinnamomeus* (L. : Fr.) Fr.= *Dermocybe cinnamomea* (L. : Fr.) Wünsche (1)*Cortinarius croceus* (Schaeff.) Bigeard et H. Guill.Misappl.: *Cortinarius cinnamomeus* (L. : Fr.) Fr. *sensu* Bres., J.E. Lange non L.Misappl.: *Dermocybe cinnamomea* (L. : Fr.) Wünsche *sensu* Ricken non L.

Ref.: Picbauer 1928 (1), Pilát 1925 (1)

Annotation: The authors of the records for Croatia could easily have misapplied name *Dermocybe cinnamomea* to species *Cortinarius croceus*.**\**Cortinarius coerulescens* (Schaeff.) Fr.**

Ref.: unpub. Tortić

***Cortinarius collinitus* (Sowerby : Fr.) Gray**= *Agaricus collinitus* Sowerby : Fr. (1)

Ref.: Božac 1984, Gjurašin 1898, Schulzer &amp; al. 1866, Tortić &amp; Lisiewska 1978, Vouk &amp; Pevalek 1916, Schulzer 1857 HR? (1)

**\**Cortinarius cotoneus* Fr.**

Ref.: unpub. Tortić

- Cortinarius croceus*** (Schaeff.) Bigeard et H. Guill.  
 = *Dermocybe crocea* (Schaeff.) Moser  
 = *Cortinarius cinnamomeobadius* Rob. Henry  
 = *Dermocybe cinnamomeobadia* (Rob. Henry) Moser (1)  
 = *Cortinarius cinnamomeolutescens* Rob. Henry (nom. inval.) (2)  
 = *Dermocybe cinnamomeolutescens* (Rob. Henry) Moser (nom. inval.)  
 (3)  
 Ref.: Focht 1972 (1), Tortić 1966 a (3), Tortić 1966 b (3), Tortić 1968 b  
 (3), unpub. Tortić (2)(3)  
 Exs.: CNF
- Cortinarius decoloratus*** (Fr. : Fr.) Fr.  
 Ref.: Vouk & Pevalek 1916
- Cortinarius delibutum*** Fr.  
 = *Myxaciium delibutum* (Fr.) Ricken (1)  
 Ref.: Tortić 1973, unpub. Tortić (1)  
 Exs.: CNF
- Cortinarius dibaphus*** Fr.  
 = *Phlegmacium dibaphum* (Fr.) Ricken (1)  
 Ref.: Tortić 1966 a (1), Tortić 1966 b (1), unpub. Tortić  
 Exs.: CNF
- Cortinarius dilutus*** (Pers.) Fr.  
 = *Cortinarius saturatus* J.E. Lange  
 Ref.: Vouk & Pevalek 1915, Vouk & Pevalek 1916
- Cortinarius elegantior*** (Fr.) Fr.  
 Ref.: Tortić 1973  
 Exs.: CNF ?
- Cortinarius erythrinus*** (Fr.) Fr.  
 = *Hydrocybe erythrina* (Fr.) Ricken (1)  
 Ref.: Tortić 1968 b (1), unpub. Tortić (1)  
 Exs.: CNF
- Cortinarius firmus*** (Weinm.) Fr.  
 Ref.: Škorić 1928
- \****Cortinarius fulmineus*** (Fr.) Fr.  
 Ref.: unpub. Tortić
- Cortinarius glaucopus*** (Schaeff. : Fr.) Fr.  
 Ref.: Lisiewska & Tortić 1990, Tortić 1973  
 Exs.: CNF
- \****Cortinarius gracilior*** (Jul. Schöff. ex Moser) Moser  
 Ref.: unpub. Tortić  
 Exs.: CNF

***Cortinarius hemitrichus*** (Pers. : Fr.) Fr.

Ref.: Tortić 1973, unpub. Tortić

Exs.: CNF

***Cortinarius hinnuleus*** (Sowerby) Fr.= *Hydrocybe hinnulea* (Sowerby) Moser (1)

Ref.: Focht 1974 (1), Tortić 1973, Tortić &amp; Lisiewska 1978, unpub. Tortić

Exs.: CNF

**\**Cortinarius infractus*** (Pers. : Fr.) Fr.

Ref.: unpub. Tortić

Exs.: CNF

***Cortinarius ionochlorus*** Maire

Ref.: Tortić 1968 b, unpub. Tortić

Exs.: CNF

***Cortinarius largus*** Fr.

Ref.: Tortić 1973

Exs.: CNF ?

***Cortinarius limonius*** (Fr. : Fr.) Fr.

Ref.: Gjurašin 1898

***Cortinarius lividochraceus*** (Berk.) Berk.= *Cortinarius elatior* Fr. (nom. illeg.) (1)= *Myxaciium elatius* (Fr. →) Wünsche (2)

Ref.: Tortić 1966 a (2), Tortić 1966 b (2), unpub. Matočec (1), unpub. Tortić (1)(2)

Exs.: CNF, Mrvoš (from Matočec) (1)

**\**Cortinarius multiformis*** (Fr.) Fr.= *Phlegmacium multiforme* (Fr.) Wünsche (1)

Ref.: unpub. Tortić

Exs.: CNF

***Cortinarius nemorensis*** (Fr.) J.E. Lange= *Phlegmacium nemorense* (Fr.) de Lanessan (1)

Ref.: Tortić 1968 b (1), unpub. Tortić

Exs.: CNF

***Cortinarius obtusus*** (Fr. : Fr.) Fr.= *Cortinarius scandens* Fr.

Ref.: Vouk &amp; Pevalek 1915

***Cortinarius odorifer*** Britzelm.= *Phlegmacium odorifer* (Britzelm.) Moser (1)

Ref.: Lisiewska 1993, Lisiewska &amp; Tortić 1990, unpub. Tortić ( ) (1)

Exs.: CNF

***Cortinarius orellanus*** Fr.= *Dermocybe orellana* (Fr.) Ricken (1)

Ref.: Focht 1979 (1), unsp. Tortić

Exs.: CNF

***Cortinarius percomis* Fr.**

= *Phlegmacium percome* (Fr.) A. Blytt (1)

Ref.: Focht 1986 (1), Tortić 1966 a (1), Tortić 1966 b (1), unsp. Tortić

Exs.: CNF

\****Cortinarius phoeniceus* (Bull.) Maire**

= *Dermocybe phoenicea* (Bull.) Moser (1)

Ref.: unsp. Tortić ( ) (1)

Exs.: CNF

\*•***Cortinarius praestans* (Cordier) Gillet**

Ref.: unsp. Matočec, unsp. Mešić & Tkalčec, unsp. Tortić

Exs.: CNF

(Lit.: Moser 1983)

\****Cortinarius purpurascens* (Fr.) Fr.**

\*var. *largusoides* (Rob. Henry) Moser

Ref.: unsp. Tortić

Exs.: CNF

***Cortinarius rubicundulus* (Rea) A. Pearson**

= *Cortinarius pseudobolaris* Maire (1)

Ref.: Focht 1983 b (1)

\****Cortinarius rufoolivaceus* (Pers. : Fr.) Fr.**

= *Phlegmacium rufoolivaceum* (Pers. : Fr.) Wünsche (1)

Ref.: unsp. Tortić, Tortić 1968 b ? (1)

Exs.: CNF

***Cortinarius russeus* Rob. Henry**

Ref.: Lisiewska 1993, Lisiewska & Tortić 1990, unsp. Lisiewska, unsp.

Tortić

Exs.: POZM

***Cortinarius semisanguineus* (Fr.) Gillet**

= *Dermocybe semisanguinea* (Fr.) Moser (1)

= *Dermocybe pallidipes* Moser (nom. inval.)

Ref.: Barčić 1989 (1), Barčić 1996 (1), Tortić 1966 a (1), Tortić 1966 b

(1), unsp. Tortić ( ) (1)

Exs.: CNF

***Cortinarius sodagnitus* Rob. Henry**

= *Phlegmacium sodagnitum* (Rob. Henry) Moser (1)

Ref.: Barčić 1982, Barčić 1996, Focht 1974 (1)

***Cortinarius splendens* Rob. Henry**

= *Phlegmacium splendens* (Rob. Henry) Moser (1)

Ref.: Focht 1986 (1), Tortić 1968 b (1), unsp. Tortić (1)

Exs.: CNF

- \**Cortinarius subfulgens* P.D. Orton  
 Ref.: unpub. Lisiewska  
 Exs.: POZM
- Cortinarius subsertipes* Romagn.  
 = *Hydrocybe subsertipes* (Romagn.) ? (1)  
 Ref.: Focht 1974 (1)
- Cortinarius torvus* (Fr. : Fr.) Fr.  
 Ref.: Vouk & Pevalek 1916, unpub. Matočec, unpub. Tortić  
 Exs.: Mrvoš (from Matočec)
- Cortinarius traganus* (Fr. : Fr.) Fr.  
 = *Phlegmacium traganum* (Fr. : Fr.) Moser (1)  
 Ref.: Focht 1979 (1), Tortić 1966 a (1), Tortić 1966 b (1), Vouk & Pevalek 1915, unpub. Tortić  
 Exs.: CNF
- Cortinarius trivialis* J.E. Lange  
 = *Myxacium triviale* (J.E. Lange) Moser (1)  
 Ref.: Tortić 1964 (1), Tortić 1966 a (1), Tortić 1966 b (1), Tortić & Lisiewska 1978, unpub. Matočec, unpub. Tortić ( ) (1)  
 Exs.: CNF
- Cortinarius varicolor* (Pers. : Fr.) Fr.  
 = *Phlegmacium varicolor* (Pers. : Fr.) Wünsche (1)  
 Ref.: Lisiewska 1993, Lisiewska & Tortić 1990, unpub. Lisiewska, unpub. Tortić (1)  
 Exs.: POZM
- \**Cortinarius varius* (Schaeff. : Fr.) Fr.  
 Ref.: unpub. Tortić  
 Exs.: CNF
- Cortinarius venetus* (Fr.) Fr.  
 Ref.: Tortić 1966 a, Tortić 1966 b, unpub. Tortić  
 Exs.: CNF
- Cortinarius vibratilis* (Fr. : Fr.) Fr.  
 = *Myxacium vibratile* (Fr. : Fr.) P. Kumm. (1)  
 Ref.: Tortić 1966 a (1), Tortić 1966 b (1), unpub. Tortić  
 Exs.: CNF
- Cortinarius violaceus* (L. : Fr.) Gray  
 = *Cortinarius hercynicus* (Pers.) Moser  
 Ref.: Lange 1974, Tortić 1968 b, unpub. Mešić & Tkalčec, unpub. Tortić  
 Exs.: BEO, CNF  
 (Lit.: Hansen & Knudsen 1992, Moser 1983)
- Cortinarius zinziberatus* (Scop.) Fr.  
 Ref.: Božac 1984

**Galerina** Earle

(Lit.: Arnolds & al. 1995, Bollmann & al. 1996, Bon 1992, Hansen & Knudsen 1992, Jacobsson 1991, Kreisel 1987, Kühner 1935, Moser 1983, Pilát 1951 b, Škorić 1928, Watling & Gregory 1993)

**Galerina hypnorum** (Schrank : Fr.) Kühner

= *Derminus hypni* (Batsch) J. Schröt. (1)

Ref.: Focht 1974, Škorić 1928 (1)

• **Galerina marginata** (Batsch) Kühner

Ref.: Tortić 1968 b, Tortić 1973, unsp. Matočec, unsp. Mešić & Tkalčec, unsp. Tortić

Exs.: CNF, Mrvoš (from Matočec), PRM

(Lit.: Bon 1992, Hansen & Knudsen 1992, Watling & Gregory 1993)

**Galerina pumila** (Pers. : Fr.) M. Lange ex Singer

Ref.: Tortić 1973, unsp. Tortić

Exs.: CNF

\*• **Galerina tibiicystis** (G.F. Atk.) Kühner

Ref.: unsp. Mešić & Tkalčec, unsp. Tortić

Exs.: CNF

(Lit.: Bon 1992, Moser 1983, Watling & Gregory 1993)

**Galerina triscopa** (Fr.) Kühner

Ref.: Tortić 1966 a, Tortić 1966 b, unsp. Tortić

Exs.: CNF

**Galerina unicolor** (Vahl : Fr.) Singer

= *Pholiota unicolor* (Vahl : Fr.) Gillet (1)

Ref.: Škorić 1928 (1)

**Gymnopilus** P. Karst.

(Lit.: Arnolds & al. 1995, Bollmann & al. 1996, Hansen & Knudsen 1992, Kreisel 1987, Moser 1983, Singer 1986, Watling & Gregory 1993)

**Gymnopilus bellulus** (Peck) Murrill

Ref.: Tortić 1989

Exs.: CNF ?

• **Gymnopilus junonius** (Fr. : Fr.) P.D. Orton

= *Gymnopilus spectabilis* (Weinm. : Fr.) A.H. Sm. (1)

Ref.: Tortić 1966 a (1), unsp. Matočec (1), unsp. Mešić & Tkalčec, unsp. Tortić (1)

Exs.: CNF

(Lit.: Hansen & Knudsen 1992, Moser 1983, Watling & Gregory 1993)

• **Gymnopilus penetrans** (Fr.) Murrill

= *Gymnopilus hybridus* (Fr.) Maire



Ref.: Tortić 1966 b, Tortić 1968 b, Tortić 1989, Tortić 1993, Tortić 1994, unpub. Mešić & Tkalčec, unpub. Tortić, Tortić 1966 a ?

Exs.: CNF

(Lit.: Moser 1983, Watling & Gregory 1993)

***Gymnopilus picreus*** (Pers. : Fr.) Gillet

Ref.: Tortić 1973, Tortić 1989, unpub. Tortić

Exs.: CNF

\*• ***Gymnopilus sapineus*** (Fr. : Fr.) Maire

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Moser 1983, Watling & Gregory 1993)

***Hebeloma*** (Fr.) P. Kumm.

(Lit.: Arnolds & al. 1995, Bollmann & al. 1996, Gröger 1987, Gröger & Zschieschang 1981, Hansen & Knudsen 1992, Kreisel 1987, Moser 1983, Vesterholt 1989, Vouk & Pevalek 1916)

• ***Hebeloma crustuliniforme*** (Bull.) Quél.

= *Agaricus crustuliniformis* Bull. (1)

= *Derminus crustuliniformis* (Bull.) J. Schröt. (2)

Ref.: Barčić 1982, Barčić 1996, Focht 1974, Focht 1979, Schulzer 1882 a (1), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Vouk & Pevalek 1916 (2), unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić, Tortić 1993 ?

Exs.: CNF

(Lit.: Moser 1983)

***Hebeloma longicaudum*** (Pers. : Fr.) P. Kumm. (sensu J.E. Lange)

Ref.: Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Tortić

Exs.: CNF, POZM

***Hebeloma mesophaeum*** (Pers.) Quél.

Ref.: Focht 1974, Tortić 1964, unpub. Tortić

Exs.: CNF

• ***Hebeloma radicosum*** (Bull. : Fr.) Ricken

= *Agaricus radicosus* Bull. : Fr. (1)

= *Pholiota radicosus* (Bull. : Fr.) P. Kumm. (2)

Ref.: Gjurašin 1898 (2), Lange 1974, Schulzer & al. 1866 (1), Tortić 1966 a, Tortić 1966 b, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić, Schulzer 1857 HR? (1)

Exs.: BEO, CNF, Mrvoš (from Matočec), POZM

(Lit.: Hansen & Knudsen 1992, Moser 1983)

• ***Hebeloma sacchariolens*** Quél.

Ref.: Tortić 1966 a, Tortić 1966 b, unpub. Mešić & Tkalčec, unpub. Tortić

Exs.: CNF

(Lit.: Gröger & Zschieschang 1981)

***Hebeloma sarcophyllum*** (Peck) Sacc.

Ref.: Stropnik &amp; al. 1988, Focht 1986 HR?

\*•***Hebeloma senescens*** (Batsch) Berk. et Broome= *Hebeloma edurum* Métrod ex Bon (1)

Ref.: unpub. Mešić &amp; Tkalčec, unpub. Tortić (1), Focht 1986 HR? (1), Tortić 1968 b ? (1)

Exs.: CNF

(Lit.: Moser 1983)

•***Hebeloma sinapizans*** (Paulet ex Fr.) Gillet

Ref.: Barčić 1982, Barčić 1984, Barčić 1996, Focht 1974, Focht 1979, Focht 1986, Tortić 1968 b, Tortić &amp; Lisiewska 1978, unpub. Lisiewska, unpub. Matočec, unpub. Mešić &amp; Tkalčec, unpub. Tortić

Exs.: CNF, POZM

(Lit.: Hansen &amp; Knudsen 1992, Moser 1983)

\****Hebeloma velutipes*** Bruchet

Ref.: unpub. Matočec

Exs.: Mrvoš (from Matočec)

## MOST PROBABLY FOUND IN THE TERRITORY OF CROATIA

***Hebeloma album*** Peck (sensu Bruchet)

Ref.: Focht 1986 HR?

***Hebeloma birrum*** (Fr.) Gillet

Ref.: Focht 1986 HR?

***Hebeloma cistophilum*** Maire

Ref.: Focht 1986 HR?

***Hebeloma pallidum*** Malençon

Ref.: Focht 1986 HR?

***Inocybe*** (Fr.) Fr.

(Lit.: Arnolds &amp; al. 1995, Bollmann &amp; al. 1996, Bresinsky 1989, Hansen &amp; Knudsen 1992, Heim 1931, Kreisel 1987, Kuyper 1986, Stangl 1989, Stangl &amp; Bresinsky 1981)

•***Inocybe adaequata*** (Britzelm.) Sacc.= *Inocybe jurana* Pat. (1)

Ref.: Focht 1974 (1), unpub. Mešić &amp; Tkalčec

Exs.: CNF

(Lit.: Kuyper 1986)

***Inocybe asterospora*** Quélet

Ref.: Barčić 1982, Barčić 1996, Tortić 1973, unpub. Tortić

Exs.: CNF

***Inocybe bresadolae*** Massee

Ref.: Tortić 1968 b, unpub. Tortić

Exs.: CNF

***Inocybe cervicolor*** (Pers.) Quél.

Ref.: Tortić 1966 a, Tortić 1966 b, unpub. Tortić

Exs.: CNF

**\**Inocybe cookei*** Bres.

Ref.: unpub. Tortić

***Inocybe corydalina*** Quél.

Ref.: Lisiewska &amp; Tortić 1990, Tortić 1973, unpub. Lisiewska, unpub. Tortić

Exs.: CNF, POZM

**•*Inocybe erubescens*** A. Blytt= *Inocybe patouillardii* Bres. (1)

Ref.: Focht 1974 (1), Focht 1983 b (1), Tortić 1968 b (1), Tortić 1973 (1), unpub. Mešić &amp; Tkalčec, unpub. Tortić (1)

Exs.: CNF

(Lit.: Kuyper 1986, Stangl 1989)

***Inocybe fraudans*** (Britzelm.) Sacc.= *Inocybe indissimilis* (Britzelm.) Sacc. (1)= *Inocybe pyriodora* (Pers. : Fr.) P. Kumm. var. *incarnata* (Bres.) Maire (2)Misappl.: *Inocybe pyriodora* (Pers. : Fr.) P. Kumm. sensu auct. non Pers. (3)(sensu Pers. = ? *I. bongardii* (Weinm.) Quél. - Kuyper 1986)

Ref.: Barčić 1982 (3), Barčić 1996 (3), Focht 1983 b (2), Škorić 1928 (3), Vouk &amp; Pevalek 1916 (1), unpub. Tortić (3)

Exs.: CNF ? (3)

**•*Inocybe geophylla*** (Sowerby : Fr.) P. Kumm.= *Agaricus geophyllus* Sowerby : Fr. (1)

Ref.: Jelić &amp; Tortić 1973, Schulzer 1882 a (1), Schulzer &amp; al. 1866 (1), Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, unpub. Tortić

Exs.: CNF

**•var. *geophylla***= *Agaricus argillaceus* Pers. (2)

Ref.: Schulzer 1882 a (2), Schulzer &amp; al. 1866 (2), unpub. Mešić &amp; Tkalčec

Exs.: CNF

(Lit.: Kuyper 1986)

**•var. *lilacina*** (Peck) Gillet= *Inocybe geophylla* (Sowerby : Fr.) P. Kumm. var. *violacea* Pat. (3)

Ref.: Tortić 1966 a (3), unpub. Tortić (3), unpub. Mešić &amp; Tkalčec

Exs.: CNF  
(Lit.: Kuyper 1986)

• *Inocybe godeyi* Gillet

Ref.: Tortić 1968 b, unpubl. Mešić & Tkalčec, unpubl. Tortić  
Exs.: CNF  
(Lit.: Hansen & Knudsen 1992, Kuyper 1986)

*Inocybe hystrix* (Fr.) P. Karst.

Ref.: Tortić 1973  
Exs.: PRM

*Inocybe impexa* (Lasch) Kuyper

= *Inocybe maritima* (Fr. →) P. Karst. (1)  
Ref.: Focht 1974 (1)

*Inocybe jacobi* Kühner

Ref.: Tortić 1973  
Exs.: PRM

• *Inocybe lacera* (Fr. : Fr.) P. Kumm.

= *Inocybe oblongispora* (Britzelm.) Sacc. et P. Syd. (1)  
Ref.: Vouk & Pevalek 1916 (1)

\*var. *helobia* Kuyper

Ref.: unpubl. Mešić & Tkalčec  
Exs.: CNF  
(Lit.: Kuyper 1986)

\* *Inocybe langei* R. Heim

Ref.: unpubl. Tortić

*Inocybe lanuginosa* (Bull. : Fr.) P. Kumm.

var. *ovatocystis* (Boursier et Kühner) Stangl  
= *Inocybe ovatocystis* Boursier et Kühner (1)  
Ref.: Tortić 1973 (1)  
Exs.: PRM (1)

*Inocybe margaritispora* (Berk.) Sacc.

= *Inocybe phaeosticta* Furrer-Ziogas  
Ref.: Focht 1986

\* *Inocybe petiginosa* (Fr. : Fr.) Gillet

Ref.: unpubl. Tortić

*Inocybe praetervisa* Quél.

Ref.: Lisiewska & Tortić 1990, unpubl. Tortić  
Exs.: CNF

*Inocybe relicina* (Fr. : Fr.) Quél.

Ref.: Vouk & Pevalek 1916

***Inocybe rimosa*** (Bull. : Fr.) P. Kumm.= *Agaricus rimosus* Bull. : Fr. (1)= *Inocybe brunnea* Qué. (2)= *Inocybe fastigiata* (Schaeff.) Qué. (3)= *Inocybe fastigiata* (Schaeff.) Qué. var. *umbrinella* Bres. (4)= *Inocybe orbata* Malençon (5)- as *Inocybe "vimosa"* Bull. (6)

Ref.: Focht 1974 (2)(3), Gjurašin 1898 (6), Lisiewska &amp; Tortić 1990 (3), Schulzer 1882 a (1), Tortić 1966 a (4), Tortić 1966 b (4), Tortić 1968 b (3), Tortić &amp; Lisiewska 1978 (3), Vouk &amp; Pevalek 1916, unpub. Tortić (3)(4), Focht 1983 b HR? (5), Schulzer 1857 HR? (1)

Exs.: CNF

***Inocybe sambucina*** (Fr. : Fr.) Qué.= *Derminus sambucinus* (Fr. : Fr.) ? (1)

Ref.: Focht 1974, Škorić 1928 (1), Vouk &amp; Pevalek 1915 (1)

***Inocybe splendens*** R. Heimvar. *phaeoleuca* (Kühner) Kuyper= *Inocybe phaeoleuca* Kühner (1)

Ref.: Focht 1974 (1)

***Inocybe squamata*** J.E. Lange

Ref.: Barčić 1982, Barčić 1996, Focht 1974

***Inocybe terrigena*** (Fr.) Kuyper

Ref.: Focht 1974

***Inocybe whitei*** (Berk. et Broome) Sacc.= *Inocybe geophylla* (Sowerby : Fr.) P. Kumm. var. *lateritia* (Weinm.) J.E. Lange (1)= *Inocybe pudica* Kühner (2)

Ref.: Focht 1974 (1), Tortić 1966 a (2), Tortić 1966 b (2), unpub. Tortić (2)

Exs.: CNF

***Leucocortinarius*** (J.E. Lange) Singer

(Lit.: Hansen &amp; Knudsen 1992, Kreisel 1987, Moser 1983, Singer 1986, Watling &amp; Gregory 1993)

• ***Leucocortinarius bulbiger*** (Alb. et Schwein. : Fr.) Singer

Ref.: Tortić 1968 b, unpub. Matočec, unpub. Mešić &amp; Tkalčec, unpub. Tortić

Exs.: CNF, Mrvoš (from Matočec)

(Lit.: Hansen &amp; Knudsen 1992, Watling &amp; Gregory 1993)

***Rozites*** P. Karst.

(Lit.: Arnolds &amp; al. 1995, Bollmann &amp; al. 1996, Hansen &amp; Knudsen 1992, Kreisel 1987, Moser 1983, Watling &amp; Gregory 1993)

- ***Rozites caperatus*** (Pers. : Fr.) P. Karst.  
 = *Pholiota caperata* (Pers. : Fr.) P. Kumm. (1)  
 Ref.: Božac 1982 (1), Božac 1984, Božac 1986, Božac 1989, Božac 1993, Focht 1979, Gjurašin 1898 (1), Lange 1974, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Vouk & Pevalek 1916, unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)  
 Exs.: CNF  
 (Lit.: Hansen & Knudsen 1992, Moser 1983, Watling & Gregory 1993)

### Familia **Hygrophoraceae** Roze ex Lotsy

#### ***Hygrocybe*** (Fr.) P. Kumm.

(Lit.: Arnolds 1986 b, Arnolds & al. 1995, Bas & al. 1990, Boertmann 1996, Bollmann & al. 1996, Bon 1990, Candusso 1997, Cléménçon 1982, Dennis & al. 1960, Fries 1821, Hansen & Knudsen 1992, Kreisel 1987, Ricken 1915, Schroeter 1889, Singer 1986)

- ***Hygrocybe acutoconica*** (Clem.) Singer  
 = *Hygrocybe persistens* (Britzelm.) Singer (1)  
 = *Hygrophorus persistens* (Britzelm.) Britzelm. (2)  
 = *Hygrophorus rickenii* Maire (3)  
 Misappl.: *Hygrocybe crocea* (Bull.) Singer sensu auct. europ. non Bull. (4)  
 Ref.: Focht 1974 (1), Focht 1979 (2), Tortić 1966 a (3), Tortić 1973 (4), unpub. Mešić & Tkalčec, unpub. Tortić (4)  
 Exs.: CNF  
 (Lit.: Bas & al. 1990, Candusso 1997)
- ***Hygrocybe calyptriformis*** (Berk. et Broome) Fayod  
 Ref.: Tortić 1968 b, unpub. Mešić & Tkalčec, unpub. Tortić  
 Exs.: CNF  
 (Lit.: Boertmann 1996, Candusso 1997)
- ***Hygrocybe cantharellus*** (Schwein. : Fr.) Murrill  
 = *Hygrocybe lepida* Arnolds  
 Ref.: Tortić 1966 a, Tortić 1966 b, unpub. Mešić & Tkalčec, unpub. Tortić  
 Exs.: CNF  
 (Lit.: Boertmann 1996, Candusso 1997)
- ***Hygrocybe ceracea*** (Fr. : Fr.) P. Kumm.  
 = *Hygrophorus ceraceus* (Fr. : Fr.) Fr. (1)  
 Ref.: Schulzer 1867 (1), Vouk & Pevalek 1916 (1), unpub. Mešić & Tkalčec  
 Exs.: CNF  
 (Lit.: Boertmann 1996, Candusso 1997)

- ***Hygrocybe chlorophana*** (Fr. : Fr.) Wünsche  
 = *Hygrophorus chlorophanus* (Fr. : Fr.) Fr. (1)  
 Ref.: Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Tortić 1994, Vouk & Pevalek 1916 (1), unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)  
 Exs.: CNF  
 (Lit.: Boertmann 1996, Candusso 1997)
- Hygrocybe citrinovirens*** (J.E. Lange) Jul. Schäff.  
 = *Hygrophorus citrinovirens* (J.E. Lange) Konrad et Maubl. (1)  
 Ref.: Tortić 1966 a, Tortić 1966 b, Tortić 1973 (1), unpub. Tortić  
 Exs.: CNF
- ***Hygrocybe coccinea*** (Schaeff. : Fr.) P. Kumm.  
 Ref.: Barčić 1996, Tortić 1966 a, Tortić 1966 b, unpub. Mešić & Tkalčec, unpub. Tortić  
 Exs.: CNF  
 (Lit.: Boertmann 1996, Candusso 1997)
- ***Hygrocybe conica*** (Schaeff. : Fr.) P. Kumm.  
 = *Hygrophorus conicus* (Schaeff. : Fr.) Fr. (1)  
 Misappl.: *Hygrocybe nigrescens* (Quél.) Kühner sensu auct. non Quél. (2)  
 Ref.: Barčić 1982 (2), Barčić 1996 (2), Focht 1974 ( ) (2), Kranjčev 1995, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1994, Vouk & Pevalek 1916 (1), unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić (1) (2)  
 Exs.: CNF  
 (Lit.: Bas & al. 1990, Boertmann 1996, Candusso 1997)
- \*• ***Hygrocybe flavipes*** (Britzelm.) Arnolds  
 = *Camarophyllus flavipes* (Britzelm.) Cléménçon  
 = *Cuphophyllus flavipes* (Britzelm.) Bon  
 Misappl.: *Camarophyllus lacmus* (Schumach.) J.E. Lange sensu auct. non Schumach. (1)  
 Ref.: unpub. Mešić & Tkalčec, unpub. Tortić (1)  
 Exs.: CNF  
 (Lit.: Boertmann 1996, Candusso 1997)
- \*• ***Hygrocybe fornicata*** (Fr.) Singer  
 = *Hygrocybe streptopus* (Fr.) Singer et Kuthan  
 Ref.: unpub. Mešić & Tkalčec  
 Exs.: CNF  
 (Lit.: Bas & al. 1990, Boertmann 1996, Candusso 1997)
- ***Hygrocybe intermedia*** (Pass.) Fayod  
 = *Hygrophorus intermedius* Pass. (1)  
 Ref.: Focht 1979 (1), Tortić 1966 a, Tortić 1966 b, unpub. Mešić & Tkalčec, unpub. Tortić

Exs.: CNF  
(Lit.: Boertmann 1996, Candusso 1997)

• ***Hygrocybe irrigata*** (Pers. : Fr.) Bon

= *Camarophyllus unguinosus* (Fr. : Fr.) ? (1)  
= *Hygrocybe unguinosa* (Fr. : Fr.) P. Karst. (2)  
Ref.: Tortić 1973 (2), unpub. Mešić & Tkalčec, unpub. Tortić (1)(2)  
Exs.: CNF  
(Lit.: Boertmann 1996, Candusso 1997)

• ***Hygrocybe konradii*** R. Haller Aar.

Ref.: Tortić 1968 b, unpub. Mešić & Tkalčec, unpub. Tortić  
Exs.: CNF  
(Lit.: Bas & al. 1990, Candusso 1997, Dennis & al. 1960)

\*• ***Hygrocybe lacmus*** (Schumach.) P.D. Orton et Watling

= *Camarophyllus lacmus* (Schumach.) J.E. Lange non sensu auct.  
= *Cuphophyllus lacmus* (Schumach.) Bon  
= *Camarophyllus subviolaceus* (Peck) Singer  
Ref.: unpub. Mešić & Tkalčec  
Exs.: CNF  
(Lit.: Bas & al. 1990, Boertmann 1996, Candusso 1997)

• ***Hygrocybe laeta*** (Pers. : Fr.) P. Kumm.

Ref.: Tortić 1973, unpub. Mešić & Tkalčec, unpub. Tortić  
Exs.: CNF  
(Lit.: Boertmann 1996, Candusso 1997)

***Hygrocybe miniata*** (Fr. : Fr.) P. Kumm.

= *Hygrophorus miniatus* (Fr. : Fr.) Fr. (1)  
Misappl.: *Hygrophorus flammeus* (Scop.) J. Schröt. sensu J. Schröt. non  
Scop. (Schroeter 1889 as "*flammans*") (2)  
Ref.: Focht 1972, Focht 1974, Focht 1979 (1), Tortić 1966 a, Tortić 1966  
b, Tortić 1968 b, Tortić 1994, Vouk & Pevalek 1915 (2), Vouk &  
Pevalek 1916 (2), unpub. Tortić ( ) (1)  
Exs.: CNF

\*• ***Hygrocybe mucronella*** (Fr.) P. Karst.

= *Hygrocybe reai* (Maire) J.E. Lange  
Ref.: unpub. Mešić & Tkalčec  
Exs.: CNF  
(Lit.: Bas & al. 1990, Boertmann 1996)

***Hygrocybe nitrata*** (Pers.) Wünsche

= *Hygrophorus nitratus* (Pers.) Fr. (1)  
Misappl.: *Hygrocybe murinacea* (Bull. : Fr.) Moser sensu auct. non Bull.  
(2)  
(sensu Bull. = ? *Porpoloma metapodium* (Fr. : Fr.) Singer - Arnolds  
1986 b)



Ref.: Božac 1984 (1), Tortić 1973 (2), unpub. Tortić  
 Exs.: CNF

• ***Hygrocybe obrussea*** (Fr. : Fr.) Wünsche

= *Hygrocybe quieta* (Kühner) Singer (1)

Ref.: Božac 1984 (1), Božac 1989 (1), Božac 1993 (1), Candusso 1997,  
 Tortić 1973, unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)

Exs.: Candusso, CNF, PRM

(Lit.: Bas & al. 1990, Boertmann 1996, Candusso 1997)

• ***Hygrocybe ovina*** (Bull. : Fr.) Kühner

= *Hygrocybe nitiosa* (A. Blytt) Moser (1)

Ref.: Tortić 1973 ( ) (1), unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)

Exs.: CNF

(Lit.: Boertmann 1996)

\*• ***Hygrocybe perplexa*** (A.H. Sm. et Hesler) Arnolds

Misappl.: *Hygrocybe sciophana* (Fr. : Fr.) Wünsche sensu auct. non Fr.

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Bas & al. 1990, Boertmann 1996, Candusso 1997)

• ***Hygrocybe pratensis*** (Pers. : Fr.) Murrill

= *Camarophyllus pratensis* (Pers. : Fr.) P. Kumm. (1)

= *Cuphophyllus pratensis* (Pers. : Fr.) Bon

= *Hygrophorus pratensis* (Pers. : Fr.) Fr. (2)

Ref.: Božac 1982 (2), Božac 1984 (1), Božac 1986 (1), Božac 1989 (1),  
 Božac 1993 (1), Focht 1979 (2), Schulzer & al. 1866 (2), Tortić 1964  
 (1), Tortić 1966 a (1), Tortić 1966 b (1), Tortić 1968 a (1), Tortić 1994  
 (1), unpub. Matočec (1), unpub. Tortić (1)(2)

Exs.: CNF

• var. ***pratensis***

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Bas & al. 1990, Boertmann 1996)

\*• var. ***pallida*** (Cooke) Arnolds

= *Hygrocybe berkeleyi* (P.D. Orton) P.D. Orton et Watling

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Bas & al. 1990, Boertmann 1996)

• ***Hygrocybe psittacina*** (Schaeff. : Fr.) P. Kumm.

= *Hygrophorus psittacinus* (Schaeff. : Fr.) Fr. (1)

Ref.: Focht 1974, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Vouk &  
 Pevalek 1916 (1), unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)

Exs.: CNF

(Lit.: Bas & al. 1990, Boertmann 1996, Candusso 1997)

- ***Hygrocybe punicea*** (Fr. : Fr.) P. Kumm.  
 = *Hygrophorus puniceus* (Fr. : Fr.) Fr. (1)  
 Ref.: Barčić 1982, Barčić 1984, Barčić 1996, Božac 1984, Božac 1986,  
 Božac 1989, Božac 1993, Focht 1979 (1), Tortić 1966 a, Tortić 1966 b,  
 Tortić 1968 b, Tortić 1994, unip. Mešić & Tkalčec, unip. Tortić ( ) (1)  
 Exs.: CNF  
 (Lit.: Boertmann 1996, Candusso 1997)
- \*• ***Hygrocybe reidii*** Kühner  
 Ref.: unip. Mešić & Tkalčec  
 Exs.: CNF  
 (Lit.: Boertmann 1996, Candusso 1997)
- ***Hygrocybe russocoriacea*** (Berk. et T.K. Mill.) P.D. Orton et Watling  
 = *Camarophyllus russocoriaceus* (Berk. et T.K. Mill.) J.E. Lange (1)  
 = *Cuphophyllus russocoriaceus* (Berk. et T.K. Mill.) Bon  
 = *Hygrophorus russocoriaceus* Berk. et T.K. Mill. (2)  
 Ref.: Božac 1984 (1), Focht 1972 (2), Focht 1979 (2), Tortić 1966 a (1),  
 Tortić 1966 b (1), Tortić 1968 a (1), unip. Mešić & Tkalčec, unip. Tortić  
 (1), Focht 1986 HR? (1)  
 Exs.: CNF  
 (Lit.: Boertmann 1996, Candusso 1997)
- \*• ***Hygrocybe spadicea*** (Scop.) P. Karst.  
 Ref.: unip. Mešić & Tkalčec  
 Exs.: CNF  
 (Lit.: Bas & al. 1990, Candusso 1997)
- ***Hygrocybe virginea*** (Wulfen : Fr.) P.D. Orton et Watling  
 = *Agaricus virgineus* Wulfen : Fr. (1)  
 = *Camarophyllus virgineus* (Wulfen : Fr.) P. Kumm. (2)  
 = *Hygrophorus virgineus* (Wulfen : Fr.) Fr. (3)  
 = *Camarophyllus niveus* (Scop.) Wünsche (4)  
 = *Cuphophyllus niveus* (Scop.) Bon  
 = *Hygrophorus niveus* (Scop.) Fr. (5)  
 = *Agaricus virgineus* Wulfen : Fr. var. *niveus* (Scop.) Fr. (6)  
 = *Camarophyllus subradiatus* (Schumach.) Wünsche
- var. ***virginea***  
 Ref.: Focht 1979 (3), Schulzer & al. 1866 (3), Tortić 1964 (4),  
 Tortić 1966 a (2)(4), Tortić 1966 b (2)(4), Tortić 1968 a (4),  
 Tortić 1994 (4), unip. Mešić & Tkalčec, unip. Tortić (2)(4)(5),  
 Focht 1986 HR? (4), Schulzer 1857 HR? (1)(6)  
 Exs.: CNF  
 (Lit.: Bas & al. 1990, Boertmann 1996, Candusso 1997)
- var. ***fuscescens*** (Bres.) Arnolds  
 = *Camarophyllus fuscescens* (Bres.) Moser (7)

Ref.: Tortić 1973 (7), unpub. Tortić (7)  
 Exs.: CNF, PRM (7)

***Hygrophorus* Fr.**

(Lit: Arnolds 1986 a, Arnolds & al. 1995, Bas & al. 1990, Bollmann & al. 1996, Bon 1990, Candusso 1997, Hansen & Knudsen 1992, Kreisel 1987, Michael - Hennig - Kreisel 1977, Pilát 1951 b, Pilát & Ušák 1959, Singer 1986)

• ***Hygrophorus agathosmus* (Fr.) Fr.**

= *Limacium agathosmum* (Fr.) Wünsche (1)

Ref.: Gjurašin 1898, Tortić 1973, unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)

Exs.: CNF

(Lit.: Candusso 1997)

\*• ***Hygrophorus arbustivus* Fr.**

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Candusso 1997)

\*• ***Hygrophorus aureus* Arrh.**

= *Hygrophorus hypothejus* (Fr. : Fr.) Fr. var. *aureus* (Arrh.) Imler

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Candusso 1997, Moser 1983)

\*• ***Hygrophorus calophyllus* P. Karst.**

= *Hygrophorus camarophyllus* (Alb. et Schwein. : Fr.) Dumée,

Grandjean et Maire var. *calophyllus* (P. Karst.) Konrad et Maubl.

Ref.: unpub. Mešić & Tkalčec

Exs.: CNF

(Lit.: Candusso 1997, Hansen & Knudsen 1992, Moser 1983)

\*• ***Hygrophorus camarophyllus* (Alb. et Schwein. : Fr.) Dumée, Grandjean et Maire**

= *Hygrophorus atramentosus* (Alb. et Schwein.) H. Haas et Haller ex Bon

= *Hygrophorus caprinus* (Scop.) Fr. (1)

Ref.: unpub. Mešić & Tkalčec, Blagaić 1921 ? (1)

Exs.: CNF

(Lit.: Candusso 1997)

• ***Hygrophorus capreolarius* (Kalchbr.) Fr.**

= *Limacium capreolarium* (Kalchbr.) Sacc. (1)

Ref.: Tortić 1966 a, Tortić 1966 b, unpub. Lindtner, unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)

Exs.: BEO, CNF

(Lit.: Candusso 1997)

- ***Hygrophorus chrysodon*** (Batsch : Fr.) Fr.  
 = *Limacium chrysodon* (Batsch : Fr.) P. Kumm. (1)  
 Ref.: Tortić 1964, Tortić 1966 a, Tortić 1966 b, unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)  
 Exs.: CNF  
 (Lit.: Bas & al. 1990, Candusso 1997)
- \* ***Hygrophorus discoideus*** (Pers. : Fr.) Fr.  
 Ref.: unpub. Tortić  
 Exs.: CNF
- ***Hygrophorus discoxanthus*** (Fr.) Rea  
 = *Hygrophorus chryspis* Métrod (1)  
 Misappl.: *Hygrophorus cossus* (Sowerby) Fr. sensu auct. p. p. non Sowerby (2)  
 (sensu Sowerby = nom. dub. - Arnolds 1986 a)  
 Ref.: Focht 1972 (2), Tortić 1966 a (1), Tortić 1968 b (1), Tortić 1993 (2), unpub. Mešić & Tkalčec, unpub. Tortić (1)  
 Exs.: CNF  
 (Lit.: Bas & al. 1990)
- ***Hygrophorus eburneus*** (Bull. : Fr.) Fr.  
 Misappl.: *Hygrophorus cossus* (Sowerby) Fr. sensu auct. p. p. non Sowerby  
 Ref.: Focht 1972, Tortić & Lisiewska 1978, unpub. Mešić & Tkalčec, unpub. Tortić  
 Exs.: CNF  
 (Lit.: Bas & al. 1990)
- ***Hygrophorus eburneus*** (Bull. : Fr.) Fr. **sensu lato**  
 Incl.: *Hygrophorus discoxanthus* (Fr.) Rea  
 Misappl.: *Hygrophorus cossus* (Sowerby) Fr. sensu auct. p. p. non Sowerby  
 Misappl.: *Limacium cossus* (Sowerby) Wünsche sensu auct. p. p. non Sowerby (1)  
*Hygrophorus eburneus* (Bull. : Fr.) Fr. (2)  
 = *Limacium eburneum* (Bull. : Fr.) P. Kumm. (3)  
 Misappl.: *Hygrophorus cossus* (Sowerby) Fr. sensu auct. p. p. non Sowerby  
 Misappl.: *Limacium cossus* (Sowerby) Wünsche sensu auct. p. p. non Sowerby (1)  
 Ref.: Blagaić 1921 (1), Gjurašin 1898 (2), Lorinser - Janda 1877 (2), Tortić 1964 (2), Tortić 1966 a, Tortić 1966 b, Vouk & Pevalek 1915 (3), Vouk & Pevalek 1916 (3), Schulzer & al. 1866 ? (2)
- ***Hygrophorus erubescens*** (Fr. : Fr.) Fr.  
 Ref.: Gjurašin 1898, unpub. Mešić & Tkalčec, unpub. Tortić

- Exs.: CNF  
(Lit.: Bas & al. 1990, Candusso 1997)
- ***Hygrophorus hypothejus*** (Fr. : Fr.) Fr.  
Ref.: Focht 1972, Focht 1981 a, unpub. Mešić & Tkalčec, unpub. Tortić, Focht 1986 HR?  
Exs.: CNF  
(Lit.: Bas & al. 1990, Candusso 1997)
  - ***Hygrophorus latitabundus*** Britzelm.  
Misappl.: *Hygrophorus limacinus* (Scop. : Fr.) Fr. sensu auct. non Scop. (1)  
Misappl.: *Limacium limacinum* (Scop. : Fr.) Ricken sensu auct. non Scop. (2)  
Ref.: Vouk & Pevalek 1915 (2), unpub. Mešić & Tkalčec, Focht 1981 b HR? (1)  
Exs.: CNF  
(Lit.: Bas & al. 1990, Candusso 1997)
  - ***Hygrophorus lindtneri*** Moser  
= *Hygrophorus carpini* Gröger  
= *Hygrophorus unicolor* Gröger  
Misappl.: *Hygrophorus leucophaeus* (Scop.) Fr. sensu auct. non Scop. (1)  
Ref.: Tortić 1964 (1), Tortić 1968 b (1), unpub. Mešić & Tkalčec, unpub. Tortić (1), Božac 1984 HR? (1)  
Exs.: CNF  
(Lit.: Candusso 1997)
  - ***Hygrophorus lucorum*** Kalchbr.  
Ref.: Candusso 1997, Tortić 1968 b, unpub. Mešić & Tkalčec, unpub. Tortić  
Exs.: Candusso, CNF  
(Lit.: Bas & al. 1990, Candusso 1997)
  - ***Hygrophorus marzuolus*** (Fr. : Fr.) Bres.  
Ref.: Božac 1982, Božac 1984, Božac 1986, Božac 1989, Božac 1993, Candusso 1997, Focht 1979, Focht 1981 a, Focht 1983 a, Focht 1986, Lange 1974, unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić  
Exs.: Candusso, CNF  
(Lit.: Candusso 1997)
  - ***Hygrophorus nemoreus*** (Pers. : Fr.) Fr.  
= *Limacium nemoreum* (Pers. : Fr.) Kühner (1)  
- as *Hygrophorus "nemorosus"* Pers. (2)  
Ref.: Focht 1979, Schulzer & al. 1866 (2) + Schulzer 1867, Tortić 1964, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)  
Exs.: CNF, POZM  
(Lit.: Bas & al. 1990, Candusso 1997)

- ***Hygrophorus olivaceoalbus*** (Fr. : Fr.) Fr.  
 = *Limacium olivaceoalbus* (Fr. : Fr.) P. Kumm. (1)  
 Ref.: Vouk & Pevalek 1915 (1), unpub. Mešić & Tkalčec  
 Exs.: CNF  
 (Lit.: Bas & al. 1990, Candusso 1997)
- ***Hygrophorus penarius*** Fr.  
 = *Limacium penarium* (Fr.) Wünsche (1)  
 = *Hygrophorus barbatulus* G. Becker (2)  
 Ref.: Tortić 1966 a (2), Tortić 1968 a (2), Tortić 1968 b, unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)(2)  
 Exs.: CNF  
 (Lit.: Bas & al. 1990, Hansen & Knudsen 1992, Moser 1983)
- ***Hygrophorus persoonii*** Arnolds  
 = *Hygrophorus dichrous* Kühner et Romagn. (nom. inval.) (1)  
 = *Limacium dichroum* (Kühner et Romagn.) ? (2)  
 = *Agaricus limacinus* Schaeff. (3)  
 Ref.: Barčić 1982 (1), Barčić 1996 (1), Božac 1984 (1), Božac 1986 (1), Božac 1989 (1), Božac 1993 (1), Focht 1981 b (1), Mužić & Božac 1984 (1), Mužić & Božac 1997 (1), Tortić 1968 b (1), unpub. Mešić & Tkalčec, unpub. Tortić (1)(2), Schulzer 1857 HR? (3)  
 Exs.: CNF  
 (Lit.: Bas & al. 1990, Candusso 1997)
- ***Hygrophorus poetarum*** R. Heim  
 = *Limacium poetarum* (R. Heim) Pilát (1)  
 Ref.: Tortić 1968 b, Tortić & Lisiewska 1978, unpub. Mešić & Tkalčec, unpub. Tortić (1)  
 Exs.: CNF  
 (Lit.: Candusso 1997)
- ***Hygrophorus pudorinus*** (Fr. : Fr.) Fr.  
 = *Limacium pudorinum* (Fr. : Fr.) Wünsche (1)  
 Ref.: Blagaić 1923 (1), Focht 1979, Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, unpub. Mešić & Tkalčec, unpub. Tortić ( ) (1)  
 Exs.: CNF  
 (Lit.: Candusso 1997)
- ***Hygrophorus pustulatus*** (Pers. : Fr.) Fr.  
 = *Hygrophorus tephroleucus* (Pers. : Fr.) Fr. (1)  
 Ref.: Tortić 1973 (1), unpub. Mešić & Tkalčec, unpub. Tortić (1)  
 Exs.: CNF  
 (Lit.: Candusso 1997)
- ***Hygrophorus russula*** (Schaeff. : Fr.) Fr.  
 = *Agaricus russula* Schaeff. : Fr. (1)  
 = *Limacium russula* (Schaeff. : Fr.) Ricken (2)  
 = *Tricholoma russula* (Schaeff. : Fr.) Gillet (3)

Ref.: Lorinser - Janda 1877 (3), Škorić 1928 (1), Tortić 1964, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Matočec, unpub. Mešić & Tkalčec, unpub. Tortić ( ) (2)  
 Exs.: CNF, POZM  
 (Lit.: Candusso 1997)

## EXCLUDED RECORDS

### Familia Agaricaceae Fr.

- Agaricus arvensis* Schaeff. : Fr. var. *pretiosus* Venturi = ?  
 Ref.: Schulzer 1867
- Agaricus campester* L. : Fr. var. *cortinatus* Schulzer = ?  
 Ref.: Schulzer 1877
- Agaricus campester* L. : Fr. var. *fulvaster* Viv. = ?  
 Ref.: Schulzer & al. 1866
- Agaricus campester* L. : Fr. var. *gracilipes* Schulzer - nom. nud.  
 Ref.: Schulzer & al. 1866
- Agaricus campester* L. : Fr. var. *radicosus* Viv. = ?  
 Ref.: Schulzer 1857 HR?
- Agaricus cretaceus* Bull. : Fr. - nom. conf. (Candusso & Lanzoni 1990)  
 = *Psalliota cretacea* (Bull. : Fr.) P. Kumm. (1)  
 Ref.: Blagaić 1921 (1), Blagaić 1931 (1), Kišpatić 1950 (1), Schulzer 1857 HR?
- Agaricus edulis* "Pers." var. *cylindriformis* Schulzer = ? [*Psalliota*]  
 Ref.: Schulzer 1879
- Agaricus laevis* Krombh.  
 Ref.: Schulzer & al. 1866, Schulzer 1883 HR?  
 Annotation: According to Pilát (1951 b) it is a synonym of *Lepiota naucina* (Fr.) P. Kumm. (today *Leucoagaricus leucothites* (Vittad.) Wasser). Since Pilát (1951 b) has a very broad species concept of *L. naucina*, we cannot interpret Krombholz's species in a modern sense on the ground of Pilát's opinion.
- Agaricus letellieri* Schulzer = ? [*Lepiota*]  
 Ref.: Schulzer 1883 HR?
- Agaricus mancus* Schulzer = ? [*Chitonia*]  
 Ref.: Schulzer 1878
- Agaricus naucinoides* Schulzer = ? [*Lepiota*]  
 Ref.: Schulzer 1880
- Agaricus pelta* Schulzer = ? [*Lepiota*]  
 Ref.: Schulzer 1870

***Agaricus pometorum*** (Schulzer) Schulzer = ?

= *Agaricus campester* L : Fr. var. *pometorum* Schulzer (1)

Ref.: Schulzer 1879 (1), Schulzer 1881

***Agaricus suaviodorus*** Schulzer = ? [*Psalliota*]

Ref.: Schulzer 1880

***Lepiota gracilentata*** (Krombh.) Quél. var. ***queletii*** Schulzer = ?

Ref.: Schulzer 1885, Saccardo 1887 HR?

***Lepiota hispida*** (Lasch) Gillet - nom. ambig.

Ref.: Blagaić 1921 ?

***Lepiota schulzeri*** (Kalchbr.) Sacc.

= *Agaricus schulzeri* Kalchbr. (1)

Ref.: Kalchbrenner & Schulzer 1873-1877 (1), Fries 1874 HR? (1), Saccardo 1887 HR?

Annotation: According to Pilát (1951 b) it is a synonym of *Lepiota naucina* (Fr.) P. Kumm. (today *Leucoagaricus leucothites* (Vittad.) Wasser). Since Pilát (1951 b) has a very broad species concept of *L. naucina*, we cannot interpret Kalchbrenner's species in a modern sense on the ground of Pilát's opinion.

***Schulzeria rimulosa*** Schulzer et Bres. = ?

Ref.: Bresadola 1886, Saccardo 1887

***Schulzeria squamigera*** Schulzer et Bres. = ?

Ref.: Bresadola 1886, Saccardo 1887

Familia **Amanitaceae** R. Heim ex Pouzar***Agaricus inbulbosus*** Schulzer [*Amanita*]

Ref.: Schulzer 1881

Annotation: Gilbert (1940-1941) quotes this name as a possible synonym of *Amanita phalloides* (Vaill. ex Fr. : Fr.) Link.

***Agaricus minuteverrucosus*** Schulzer [*Amanita*]

Ref.: Schulzer 1881

Annotation: Gilbert (1940-1941) quotes this name as a possible synonym of *Amanita phalloides* (Vaill. ex Fr. : Fr.) Link.

***Agaricus phalloides*** Vaill. ex Fr. : Fr. var. ***bulbosus*** (Bull.) ? - nom. conf. (Gilbert 1940-1941)

Ref.: Schulzer & al. 1866

***Agaricus vaginatus*** Bull. : Fr. var. ***albidus*** Fr. - nom. conf. (nom. illeg.)

Ref.: Schulzer & al. 1866

Annotation: This variety partly represents *Amanita nivalis* Grev., and partly *A. vaginata* (Bull. : Fr.) Lam. var. *alba* (De Seynes) Gillet (Fraiture 1993).

***Agaricus vaginatus*** Bull. : Fr. var. "**d. - p. spadiceo**" Fr. 1821 = ?

Ref.: Schulzer 1857 HR?

***Amanita bulbosa*** (Bull.) ? - nom. conf. (Gilbert 1940-1941, Parrot 1960)

Ref.: Škorić 1928, Vouk & Pevalek 1915, Vouk & Pevalek 1916



*Amanita bulbosa* (Bull.) ? var. *albida* J. Schröt. = ?

Ref.: Vouk & Pevalek 1916

*Amanita bulbosa* (Bull.) ? var. *grisea* J. Schröt. = ?

Ref.: Vouk & Pevalek 1916

*Amanita cariosa* (Fr.) Quél.

Ref.: Škorić 1928

Annotation: This is a doubtful species. Some authors consider it an autonomous species (Merlo & Traverso 1983, Parrot 1960), some consider it a synonym of *Amanita excelsa* (Fr. : Fr.) Bertillon (Gilbert 1940-1941), while some consider it a synonym of *A. pantherina* (DC. : Fr.) Krombh. (Dennis & al. 1960).

*Amanita vaginata* (Bull. : Fr.) Lam. var. *nivea* ? = ?

Ref.: Focht 1979

*Amanitopsis cygnea* (Schulzer) Sacc.

Ref.: Saccardo 1887

Annotation: Author of the quote specified Slavonia (part of Croatia today) as a locality, but Schulzer found the species in the part of former Slavonia that nowadays does not belong to Croatia.

#### Familia **Cortinariaceae** R. Heim ex Pouzar

*Agaricus angulosporus* Schulzer = ? [*Inocybe*]

Ref.: Schulzer 1879

*Agaricus descissiformis* Schulzer = ? [*Inocybe*]

Ref.: Schulzer 1881

*Agaricus hypnorum* Schrank : Fr. var. *infantulus* Schulzer = ?

Ref.: Schulzer 1877

*Agaricus minusculus* Schulzer = ? [*Inocybe*]

Ref.: Schulzer 1880

*Agaricus peracutus* Schulzer = ? [*Inocybe*]

Ref.: Schulzer 1879

*Agaricus pulvinatulus* Schulzer = ? [*Inocybe*]

Ref.: Schulzer 1880

*Agaricus subrimosus* Schulzer = ? [*Inocybe*]

Ref.: Schulzer 1881

*Agaricus uncinatipes* Schulzer = ? [*Inocybe*]

Ref.: Schulzer 1881

*Cortinarius armillatus* (Fr. : Fr.) Fr. var. *canopodius* Schulzer - nom. nud.

Ref.: Schulzer & al. 1866

*Cortinarius barbarossa* Schulzer - nom. nud.

Ref.: Schulzer & al. 1866

*Cortinarius bresadolae* Schulzer = ?

Ref.: Saccardo 1887, Schulzer 1885

***Cortinarius cibaliensis*** Schulzer = ?

Ref.: Schulzer 1879

***Cortinarius friesii*** Bres. et Schulzer

Ref.: Saccardo 1887, Schulzer 1885

Annotation: Moser (1960) considers that it could be identical to *Cortinarius praestans* (Cordier) Gillet.***Cortinarius interamniensis*** Schulzer = ?

Ref.: Schulzer 1879

***Cortinarius leucopodius*** (Bull.) J. Schröt. = ?

Ref.: Vouk &amp; Pevalek 1915

***Cortinarius sublanatus*** (Sowerby : Fr.) Fr.

Ref.: Vouk &amp; Pevalek 1916

Annotation: This epithet has been misapplied for *Cortinarius cotoneus* Fr. (sensu Boud., Konrad et Maubl., Ricken). According to Dennis & al. (1960), Fries has misapplied this epithet for *C. pholideus* (Fr. : Fr.) Fr. We do not know in which sense the authors of the record have used this name.***Cortinarius subzonatus*** Schulzer - nom. nud.

Ref.: Schulzer &amp; al. 1866

***Cortinarius uraceus*** Fr. var. *bresadolae* Schulzer = ?= *Agaricus conveniens* Schulzer (1)

Ref.: Schulzer 1877 (1), Schulzer 1885, Saccardo 1887 HR?

***Cortinarius validus*** Schulzer - nom. nud.

Ref.: Schulzer &amp; al. 1866

***Derminus sterilis*** (Jungh.) ? = ?

Ref.: Škorić 1928

***Galera mycenopsis*** (Fr.) Quél.= *Agaricus pannosus* Fr. : Fr. var. *rufisporus* Schulzer (1)= *Agaricus vexans* Schulzer (2)

Ref.: Schulzer 1877 (1), Schulzer 1881 (2), Schulzer 1885

Annotation: This epithet has been misapplied for *Galerina pumila* (Pers. : Fr.) M. Lange ex Singer by many authors, but also for *G. mniophila* (Lasch : Fr.) Kühner by Cooke and Rea. We do not know in which sense the author of the records has used this name.***Galerina unicolor*** (Vahl : Fr.) Singer var. *muscigena* Heim = ?

Ref.: Focht 1972

***Gymnopilus stabilis*** (Weinm.) Kühner et Romagn. ex P.D. Orton

Ref.: Tortić 1966 a ?

Annotation: The author himself doubted his identification.

***Hebeloma elatum*** (Batsch : Fr.) Gillet= *Derminus elatus* (Batsch : Fr.) Henn. (1)

Ref.: Vouk &amp; Pevalek 1916 (1)

Annotation: This is a doubtful species (Dennis &amp; al. 1960, Kreisel 1987).

- Hebeloma fastibile*** (Pers. : Fr.) P. Kumm.  
 = *Agaricus fastibilis* Pers. : Fr. (1)  
 = *Inocybe fastibilis* (Pers. : Fr.) Roze (2)  
 Ref.: Schulzer & al. 1866 (1), Vouk & Pevalek 1916 (2)  
 Annotation: This species is interpreted in a few different senses (see Arnolds & al. 1995, Bollmann & al. 1996, Kreisel 1987). We do not know which sense has been used by the author of the quote.
- Hebeloma queletii*** Schulzer = ?  
 Ref.: Saccardo 1887, Schulzer 1885
- Hebeloma sinuosum*** (Fr.) Quél.  
 = *Inocybe sinuosa* (Fr.) P. Karst. (1)  
 Ref.: Vouk & Pevalek 1916 (1), Focht 1986 HR?  
 Annotation: This is a doubtful species (Vesterholt 1989).
- Inocybe destricta*** (Fr.) Quél. - nom. dub. (Dennis & al. 1960, Kuyper 1986)  
 Ref.: Vouk & Pevalek 1916
- Inocybe fibrosolacerata*** (Britzelm.) Sacc. et P. Syd. - nom. dub. (Kuyper 1986)  
 Ref.: Vouk & Pevalek 1916
- Inocybe lucifuga*** (Fr. : Fr.) P. Kumm. - nom. dub. (Kuyper 1986)  
 Ref.: Vouk & Pevalek 1916
- Inocybe scabra*** (O.F. Müll. : Fr.) P. Kumm.  
 Ref.: Vouk & Pevalek 1916  
 Annotation: According to Kuyper (1986), this species in the original, O. F. Müller's sense does not belong to the genus *Inocybe*. Although few authors have misapplied this name for *Inocybe corydalina* Quél., we do not know in which sense the authors of the record have used this name.
- Phlegmacium eufulmineum*** (Rob. Henry) Moser sensu Singer = ?  
 Ref.: Focht 1974

#### Familia **Hygrophoraceae** Roze ex Lotsy

- Hygrocybe citrina*** (Rea) J.E. Lange - nom. ambig. (Bas & al. 1990, Boertmann 1996, Bon 1990)  
 Ref.: Barčić 1982, Barčić 1984, Barčić 1996
- Hygrophorus diversipes*** Schulzer - nom. nud.  
 = *Hygrophorus flammeolus* Schulzer (nom. nud.) (1)  
 Ref.: Schulzer & al. 1866 (1) + Schulzer 1867
- Hygrophorus niveus*** (Scop.) Fr. var. ***fumidus*** Schulzer = ?  
 Ref.: Schulzer 1879
- Hygrophorus radiosostriatus*** Schulzer - nom. nud.  
 = *Hygrophorus striatus* Schulzer (nom. nud.) (1)  
 Ref.: Schulzer & al. 1866 (1) + Schulzer 1867
- Hygrophorus subcartilagineus*** Schulzer = ?  
 Ref.: Schulzer 1879

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