

PRELIMINARY CHECKLIST OF AGARICALES FROM CROATIA V: FAMILIES CREPIDOTACEAE, RUSSULACEAE AND STROPHARIACEAE

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ABSTRACT

The fifth and the last part of the preliminary checklist of Agaricales from Croatia is given. It comprises the families Crepidotaceae, Russulaceae and Strophariaceae. 160 species (three of them in a broad sense) belonging to 11 genera are presented. Eight 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 For each species, the published and unpublished sources of data are given, as well as the collections in which the material is deposited.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 fifth and the last part of the preliminary checklist of Agaricales from Croatia. The first four parts have been published in Mycotaxon (Tkalčec & Mešić 2002, Mešić & Tkalčec 2002, Tkalčec & Mešić 2003, Mešić & Tkalčec 2003). This part comprises the families Crepidotaceae, Russulaceae and Strophariaceae. 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 Tkalčec & Mešić (2002).

In this paper we present 160 species (three of them in a broad sense) belonging to 11 genera found on the territory of Croatia, of which we have

revised 84 species. Out of the overall number 9 species belong to the family Crepidotaceae, 121 species to the family Russulaceae, and 30 species to the family Strophariaceae. Eight 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 the 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);
- unp. - unpublished data.

SURVEY OF TAXA

Family *Crepidotaceae* (S. Imai) Singer

Crepidotus (Fr.) Staude

= *Pleurotellus* Fayod

(Lit.: Arnolds & al. 1995, Bollmann & al. 1996, Dennis & al. 1960, Hansen & Knudsen 1992, Kreisel 1987, Moser 1983, Norstein 1990, Pilát 1948, Senn-Irlet 1992 a, Senn-Irlet 1992 b, Senn-Irlet 1995, Singer 1986, Watling & Gregory 1989)

Crepidotus applanatus (Pers.) P. Kumm.

= *Derminus applanatus* (Pers.) ? (1)

Ref.: Blagaić 1921, Škorić 1928 (1), Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, Tortić 1989, unp. Tortić

Exs.: CNF

- ***Crepidotus autochthonus*** J.E. Lange
 - = *Crepidotus fragilis* Joss. (nom. inval.) (1)
 - = *Crepidotus mollis* (Schaeff. : Fr.) Staude var. *pseudoapplanatus* Pilát (2)
 - Ref.: Tortić 1968 b (1), unpub. Tkalčec & Mešić, unpub. Tortić (1)(2)
 - Exs.: CNF
 - (Lit.: Hansen & Knudsen 1992, Moser 1983, Watling & Gregory 1989)
- ***Crepidotus calolepis*** (Fr.) P. Karst.
 - = *Crepidotus mollis* (Schaeff. : Fr.) Staude var. *calolepis* (Fr.) P. Karst. (1)
 - Ref.: Focht 1974 (1), unpub. Kotlaba (according to unpub. Tortić), unpub. Tkalčec & Mešić
 - Exs.: CNF, PRM
 - (Lit.: Moser 1983, Watling & Gregory 1989)
- ***Crepidotus cesatii*** (Rabenh.) Sacc.
 - = *Crepidotus sphaerosporus* (Pat.) J.E. Lange
 - Ref.: Focht 1974, Tortić 1968 b, Tortić 1973, unpub. Tortić
 - Exs.: CNF
 - var. ***cesatii***
 - Ref.: unpub. Tkalčec & Mešić
 - Exs.: CNF
 - (Lit.: Senn-Irlet 1995)
- ***Crepidotus epibryus*** (Fr. : Fr.) Quél.
 - = *Pleurotellus graminicola* Fayod
 - = *Crepidotus herbarum* (Peck) Sacc.
 - = *Pleurotellus herbarum* (Peck) Singer
 - = *Crepidotus hypnophilus* (Pers.) Norstein
 - = *Pleurotellus hypnophilus* (Pers.) Fayod
 - = *Agaricus pubescens* Sowerby (nom. illeg.) (1)
 - Ref.: Škorić 1928 (1), unpub. Tkalčec & Mešić
 - Exs.: CNF
 - (Lit.: Senn-Irlet 1995, Watling & Gregory 1989)
- ***Crepidotus luteolus*** (Lambotte) Sacc.
 - Ref.: Tortić 1973, unpub. Tkalčec & Mešić
 - Exs.: CNF, PRM
 - (Lit.: Senn-Irlet 1995)
- ***Crepidotus mollis*** (Schaeff. : Fr.) Staude
 - = *Agaricus mollis* Schaeff. : Fr. (1)
 - Ref.: Lisiewska & Tortić 1990, Schulzer & al. 1866 (1), Tortić 1964, Tortić 1973, Tortić 1989, Tortić & Lisiewska 1978, unpub. Tkalčec & Mešić, unpub. Tortić, Pilát 1948 HR?
 - Exs.: CNF, PRM
 - (Lit.: Moser 1983, Watling & Gregory 1989)

Crepidotus variabilis (Pers. : Fr.) P. Kumm.= *Agaricus variabilis* Pers. : Fr. (1)

Ref.: Barčić 1982, Barčić 1996, Schulzer 1882 (1), Schulzer & al. 1866 (1), Vrščaj 1990

Exs.: CNF

Tubaria (W.G. Sm.) Gillet

(Lit.: Arnolds & al. 1995, Bon 1992, Dennis & al. 1960, Hansen & Knudsen 1992, Kreisel 1987, Moser 1983, Singer 1986)

Tubaria furfuracea (Pers. : Fr.) Gillet **sensu lato**Incl.: *Tubaria furfuracea* (Pers. : Fr.) Gillet (1)*Tubaria hiemalis* Romagn. ex Bon*Tubaria romagnesianana* Arnolds

Ref.: Focht 1972 (1), Focht 1974 (1), Tortić 1968 b (1), unpub. Tortić (1)

Exs.: CNF

Annotation: This is an aggregate of a few very similar species (by some authors possibly forms of one species) which are often misidentified. Therefore, without revision it is not possible to know which species the authors of the quotes for Croatia have found.

Family **Russulaceae** Roze ex Lotsy***Lactarius*** Pers. ("*Lactaria*")

(Lit.: Arnolds & al. 1995, Basso 1999, Bon 1980, Dennis & al. 1960, Hansen & Knudsen 1992, Heilmann-Clausen & al. 1998, Kreisel 1987, Moser 1983, Neuhoff 1956, Noordeloos & Kuyper 1999, Pilát 1951, Rauschert 1989, Singer 1986)

Lactarius acerrimus Britzelm.

Ref.: Focht 1974, Stropnik & al. 1988, Tortić 1968 b, Tortić & Lisiewska 1978, unpub. Tortić

Exs.: CNF

• ***Lactarius acris*** (Bolton : Fr.) Gray= *Agaricus acris* Bolton : Fr. (1)

Ref.: Blagaić 1921, Lisiewska & Tortić 1990, Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, Tortić & Lisiewska 1978, unpub. Tkalčec & Mešić, unpub. Tortić, Schulzer 1857 HR? (1)

Exs.: CNF

(Lit.: Heilmann-Clausen & al. 1998)

• ***Lactarius albocarneus*** Britzelm.= *Lactarius glutinopallens* F.H. Møller et J.E. Lange (1)

Ref.: Lisiewska 1993 (1), Lisiewska & Tortić 1990 (1), Tortić 1973 (1), unpub. Tkalčec & Mešić, unpub. Tortić (1)

- Exs.: CNF
(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)
- ***Lactarius aurantiacus*** (Pers. : Fr.) Gray
= *Lactarius mitissimus* (Fr. : Fr.) Fr. (1)
Ref.: Barčić 1996 (1), Tortić 1966 a (1), Tortić 1966 b (1), Vouk & Pevalsek 1916 (1), unpub. Tkalčec & Mešić, unpub. Tortić (1)
Exs.: CNF
(Lit.: Heilmann-Clausen & *al.* 1998)
 - ***Lactarius azonites*** (Bull.) Fr.
Ref.: Focht 1974, Tortić 1968 b, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF, POZM
(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)
 - ***Lactarius blennius*** (Fr. : Fr.) Fr.
= *Lactarius blennius* (Fr. : Fr.) Fr. f. *virescens* J.E. Lange (1)
Ref.: Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1994, Tortić & Lisiewska 1978, unpub. Tkalčec & Mešić, unpub. Tortić () (1)
Exs.: CNF
(Lit.: Heilmann-Clausen & *al.* 1998)
 - ***Lactarius camphoratus*** (Bull.) Fr.
Ref.: Barčić 1982, Barčić 1996, Focht 1986, Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, Tortić 1973, Tortić & Lisiewska 1978, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF
(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)
 - ***Lactarius chrysorrheus*** Fr.
Ref.: Barčić 1982, Barčić 1996, Focht 1974, Tortić 1968 b, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF, POZM
(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)
 - ***Lactarius circellatus*** Fr.
Ref.: Tortić 1968 b, Tortić & Lisiewska 1978, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF
(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)
 - ***Lactarius controversus*** Pers. : Fr.
Ref.: Tortić 1968 b, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF
(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)

- ***Lactarius decipiens*** Quél.
 Ref.: Focht 1986, Tortić & Lisiewska 1978, unpub. Tkalčec & Mešić, unpub. Tortić
 Exs.: CNF
 (Lit.: Basso 1999, Heilmann-Clausen & al. 1998)
- ***Lactarius deliciosus*** (L. : Fr.) Gray
 = *Lactarius deliciosus* (L. : Fr.) Gray var. *pini* Vassilkov (1)
 Ref.: Barčić 1982, Barčić 1996, Blagaić 1931, Focht 1972, Focht 1979, Forenbacher 1915, Gjurašin 1898, Kranjčev 1995, Lorinser - Janda 1877, Schulzer & al. 1866, Škorić 1928, Vouk & Pevalek 1915, unpub. Tkalčec & Mešić, unpub. Tortić () (1)
 Exs.: CNF
 (Lit.: Basso 1999, Heilmann-Clausen & al. 1998)
- ***Lactarius deterrimus*** Gröger
 Ref.: Kranjčev 1995, Lisiewska 1993, Lisiewska & Tortić 1990, Tortić 1993, Tortić 1994, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić
 Exs.: CNF
 (Lit.: Basso 1999, Heilmann-Clausen & al. 1998)
- ***Lactarius evosmus*** Kühner et Romagn.
 Ref.: unpub. Tkalčec & Mešić
 Exs.: CNF
 (Lit.: Basso 1999, Heilmann-Clausen & al. 1998)
- Lactarius fascians*** (Fr. : Fr.) Fr.
 Ref.: Vouk & Pevalek 1916
- ***Lactarius flavidus*** Boud.
 = *Lactarius aspideus* (Fr. : Fr.) Fr. var. *flavidus* (Boud.) Neuhoff (1)
 Ref.: Tortić 1968 b, unpub. Tkalčec & Mešić, unpub. Tortić () (1)
 Exs.: CNF
 (Lit.: Basso 1999, Heilmann-Clausen & al. 1998)
- Lactarius fuliginosus*** (Fr. : Fr.) Fr.
 Ref.: Lisiewska & Tortić 1990, Tortić 1973, unpub. Tortić
 Exs.: CNF, POZM
- ***Lactarius glaucescens*** (Crossl.) A. Pearson
 - as *Lactarius pargamenus* (Sw. : Fr.) Fr. (1)
 Ref.: Focht 1979, Focht 1986 (rev.) (1), Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Matočec (rev.) (1), unpub. Tkalčec & Mešić, unpub. Tortić
 Exs.: CNF, POZM
 (Lit.: Basso 1999, Heilmann-Clausen & al. 1998)
- ***Lactarius glyciosmus*** (Fr. : Fr.) Fr.
 Ref.: Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Tortić 1968 b, Tortić 1994, unpub. Tkalčec & Mešić, unpub. Tortić

Exs.: CNF
(Lit.: Heilmann-Clausen & *al.* 1998)

Lactarius hepaticus Plowr.

Ref.: Focht 1974

Lactarius hyuginus (Fr. : Fr.) Fr.

Ref.: Barčić 1996

• ***Lactarius lignyotus*** Fr.

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

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)

• ***Lactarius mairei*** Malençon

= *Lactarius mairei* Malençon var. *zonatus* A. Pearson (1)

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

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)

• ***Lactarius pallidus*** Pers. : Fr.

Ref.: Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Tkalčec & Mešić, unpub. Tortić

Exs.: CNF, POZM

(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)

• ***Lactarius picinus*** Fr.

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

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)

• ***Lactarius piperatus*** (L. : Fr.) Pers.

= *Agaricus piperatus* L. : Fr. (1)

Ref.: Blagaić 1921, Blagaić 1931, Božac 1982, Božac 1986, Božac 1989, Božac 1993, Focht 1972, Focht 1974, Lisiewska & Tortić 1990, Lorinser - Janda 1877, Mužic & Božac 1997, Schulzer & *al.* 1866, Škorić 1928, Tortić 1964, Tortić 1966 b, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić, Schulzer 1857 HR? (1)

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & *al.* 1998)

Lactarius piperatus (L. : Fr.) Pers. **sensu lato**

Incl.: *Lactarius glaucescens* (Crossl.) A. Pearson (1)

Lactarius piperatus (L. : Fr.) Pers. (2)

Ref.: Tortić 1966 a (2=1), Tortić 1973 (2=1), Tortić 1993

• ***Lactarius pterosporus*** Romagn.

Ref.: Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, Tortić & Lisiewska 1978, unpub. Tkalčec & Mešić, unpub. Tortić

Exs.: CNF
(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

• ***Lactarius pubescens*** (Schrad. →) Fr.

= *Lactarius blumii* Bon

- as *Lactarius cilicioides* (Fr. : Fr.) Fr. (rev.) (1)

Ref.: Božac 1982 (1), Božac 1984 (1), Božac 1986 (1), Božac 1989 (1),
Božac 1993 (1), Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Tortić 1968
b, Tortić 1994, unpub. Tkalčec & Mešić, unpub. Tortić, Focht 1979 HR?

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

• ***Lactarius pyrogalus*** (Bull. : Fr.) Fr.

= *Lactarius hortensis* Velen.

Ref.: Schulzer & al. 1866, Tortić 1966 a, Tortić 1966 b, Vouk & Pevalek
1916, unpub. Tkalčec & Mešić, unpub. Tortić, Blagaić 1921 ?

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

• ***Lactarius quieticolor*** Romagn.

*• var. ***quieticolor***

Ref.: unpub. Tkalčec & Mešić

Exs.: CNF

(Lit.: Basso 1999)

var. ***hemicyaneus*** (Romagn.) Basso

= *Lactarius hemicyaneus* Romagn. (1)

Ref.: Focht 1986 (1)

• ***Lactarius quietus*** (Fr. : Fr.) Fr.

Ref.: Škorić 1928, Tortić 1968 b, unpub. Matočec, unpub. Tkalčec & Mešić,
unpub. Tortić

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

*• ***Lactarius rufus*** (Scop. : Fr.) Fr.

Ref.: unpub. Matočec, unpub. Tkalčec & Mešić

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

• ***Lactarius salmonicolor*** R. Heim et Leclair

= *Lactarius salmoneus* R. Heim et Leclair (nom. illeg.) non *L. salmoneus*
Peck (1)

= *Lactarius subsalmoneus* Pouzar (2)

Ref.: Focht 1979 (1), Lisiewska 1993, Lisiewska & Tortić 1990,
Poštenjak 1983 (1), Tortić 1964 (1), Tortić 1966 a (1), Tortić 1966 b (1),
Tortić 1968 a (2), Tortić 1993, Tortić 1994, unpub. Lisiewska, unpub.
Matočec, unpub. Tkalčec & Mešić, unpub. Tortić () (2)

Exs.: CNF, POZM
(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

• ***Lactarius sanguifluus*** (Paulet) Fr.

Ref.: Božac 1982, Božac 1984, Božac 1986, Božac 1989, Božac 1993, Focht 1972, Focht 1974, Focht 1979, Focht 1981, Focht 1986, Mužic & Božac 1984, Mužic & Božac 1997, Vrščaj 1990, unpubl. Matočec, unpubl. Tkalčec & Mešić, unpubl. Tkalčec & Mešić, unpubl. Tortić
Exs.: CNF
(Lit.: Basso 1999)

• ***Lactarius scrobiculatus*** (Scop. : Fr.) Fr.

Ref.: Blagaić 1921, Lisiewska & Tortić 1990, Tortić 1966 a, Tortić 1966 b, Tortić 1993, Vouk & Pevalek 1916, unpubl. Matočec, unpubl. Tkalčec & Mešić, unpubl. Tortić
Exs.: CNF
(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

• ***Lactarius semisanguifluus*** R. Heim et Leclair

Ref.: Focht 1979, Poštenjak 1983, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, unpubl. Lisiewska, unpubl. Matočec, unpubl. Tkalčec & Mešić, unpubl. Tortić, Focht 1986 HR?
Exs.: CNF, POZM
(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

Lactarius serifluus (DC. : Fr.) Fr.

Ref.: Gjurašin 1898, Tortić 1968 b, Tortić & Lisiewska 1978, unpubl. Lisiewska, unpubl. Tortić
Exs.: CNF, POZM

• ***Lactarius subdulcis*** (Bull. : Fr.) Gray

= *Agaricus subdulcis* Bull. : Fr. (1)
Misappl.: *Lactarius serifluus* (DC. : Fr.) Fr. sensu J. Schröt. non DC. (2)
Ref.: Schulzer & al. 1866, Škorić 1928, Tortić 1966 a, Tortić 1973, Tortić 1993, Tortić & Lisiewska 1978, Vouk & Pevalek 1916 (2), unpubl. Tkalčec & Mešić, unpubl. Tortić, Schulzer 1857 HR? (1)
Exs.: CNF
(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

• ***Lactarius torminosus*** (Schaeff. : Fr.) Pers.

= *Agaricus torminosus* Schaeff. : Fr. (1)
Ref.: Gjurašin 1898, Lorinser - Janda 1877, Schulzer & al. 1866, Škorić 1928, Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Tortić 1994, Vouk & Pevalek 1915, Vouk & Pevalek 1916, unpubl. Matočec, unpubl. Tkalčec & Mešić, unpubl. Tortić, Focht 1979 HR?, Schulzer 1857 HR? (1)
Exs.: CNF
(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

• ***Lactarius turpis*** (Weinm.) Fr.

Misappl.: *Lactarius necator* (Bull. : Fr.) Pers. sensu auct. non Bull. (1)

Misappl.: *Lactarius plumbeus* (Bull. : Fr.) Gray sensu auct. non Bull. (2)
 Ref.: Lange 1974 (1), Škorić 1928 (2), unpub. Matočec (1), unpub. Tkalčec & Mešić, unpub. Tortić (1)

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

Lactarius uvidus (Fr. : Fr.) Fr.

Ref.: Focht 1972, Focht 1974, Gjurašin 1898, Tortić 1968 b, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Tortić

Exs.: CNF, POZM

• ***Lactarius vellereus*** (Fr. : Fr.) Fr.

= *Lactarius albivellus* Romagn.

Ref.: Barčić 1982, Barčić 1996, Božac 1982, Božac 1984, Božac 1986, Božac 1989, Božac 1993, Focht 1972, Focht 1974, Gjurašin 1898, Lisiewska & Tortić 1990, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1993, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

Lactarius violascens (J. Otto : Fr.) Fr.

Ref.: Škorić 1928

• ***Lactarius volemus*** (Fr. : Fr.) Fr.

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

= *Lactarius lactifluus* (Schaeff.) Quéél. (2)

Ref.: Blagaić 1921, Blagaić 1931, Focht 1972, Focht 1974, Focht 1979, Gjurašin 1898 (2), Kranjčev 1979, Kranjčev 1986, Lisiewska & Tortić 1990, Schulzer & al. 1866, Škorić 1928, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1993, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić, Schulzer 1857 HR? (1)

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

• ***Lactarius zonarius*** (Bull.) Fr.

Ref.: unpub. Tkalčec & Mešić

Exs.: CNF

(Lit.: Basso 1999, Heilmann-Clausen & al. 1998)

Lactarius zonarius (Bull.) Fr. **sensu lato**

Incl.: *Lactarius acerrimus* Britzelm.

Lactarius evosmus Kühner et Romagn. (1)

Lactarius insulsus (Fr. : Fr.) Fr. - nom. dub. (Heilmann-Clausen & al. 1998) (2)

= *Agaricus insulsus* Fr. : Fr. (3)

Lactarius zonarioides Kühner et Romagn.

Lactarius zonarius (Bull.) Fr. (4)

= *Lactarius zonarius* (Bull.) Fr. var. *scrobipes* (Kühner et Romagn.) Bon (5)

Ref.: Focht 1972 (2), Focht 1974 (1)(2)(5), Focht 1979 (2)(4), Gjurašin 1898 (4), Schulzer 1879 b (4), Tortić 1968 b (2), Tortić & Lisiewska 1978 (2), unpub. Lisiewska (2), unpub. Matočec (4), unpub. Tortić (2)(4), Schulzer 1857 HR? (3)

Exs.: CNF (2), POZM (2)

Annotation: Species in this group have been often interpreted in a few different senses (see Basso 1999, Heilmann-Clausen & al. 1998). We do not know which senses have been used by the authors of the quotes without revision.

***Russula* Pers.**

(Lit.: Arnolds & al. 1995, Bollmann & al. 1996, Bon 1988, Dennis & al. 1960, Einhellinger 1994, Galli 1996, Hansen & Knudsen 1992, Kreisel 1987, Kuyper & Vuure 1995, Moser 1983, Rauschert 1989, Romagnesi 1967, Romagnesi 1985, Sarnari 1998, Singer 1986, Vuure 1992)

• ***Russula acrifolia* Romagn.**

Misappl.: *Russula densifolia* (Secr.) ex Gillet sensu Jul. Schäff., auct. p. p. non Gillet (1)

Ref.: Focht 1986, Tortić 1966 a (1), Tortić 1966 b (1), unpub. Tkalčec & Mešić, unpub. Tortić (1)

Exs.: CNF

(Lit.: Romagnesi 1985, Sarnari 1998)

* ***Russula adulterina* Fr.**

Ref.: unpub. Tortić

Exs.: CNF

***Russula adusta* (Pers. : Fr.) Fr.**

Ref.: Škorić 1928, Tortić 1973, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Tortić

Exs.: POZM

***Russula aeruginea* Lindblad ex Fr.**

Ref.: Focht 1986, Škorić 1928, Vouk & Pevalek 1916

***Russula albonigra* (Krombh.) Fr.**

Ref.: Focht 1974, Lisiewska & Tortić 1990, Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, unpub. Tortić

Exs.: CNF

***Russula alutacea* (Pers. : Fr.) Fr.**

Ref.: Focht 1974, Focht 1986, Lorinser - Janda 1877, Schulzer & al. 1866, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Tortić, Schulzer 1857 HR?

Exs.: POZM

Russula amarissima Romagn. et J.-E. Gilbert

Ref.: Focht 1974

Russula amethystina Quél.

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

Exs.: CNF

Russula amoena Quél. **sensu lato**Incl.: *Russula amoena* Quél.*Russula amoenicolor* Romagn.*Russula violeipes* Quél.Misappl.: *Russula mariae* Peck sensu Jul. Schäff. non Peck (1)

Ref.: Focht 1974 (1), Tortić 1966 a (1), Tortić 1966 b (1), Tortić 1968 b (1), unpub. Tortić (1)

Exs.: CNF (1)

•*Russula amoenicolor Romagn.

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

Exs.: CNF

(Lit.: Romagnesi 1985)

Russula aquosa Leclair

Ref.: Focht 1986

Russula aurantiaca (Jul. Schäff.) Jul. Schäff.

Ref.: Focht 1974, Focht 1986

•*Russula aurea* Pers.= *Russula aurata* (With.) Fr. (1)= *Russula aureocitrina* (Krombh.) ? (2)= *Russula esculenta* Pers. (3)

Ref.: Focht 1979 (1), Focht 1986 (1), Lorinser - Janda 1877 (1), Schulzer & al. 1866 () (2) (3), Tortić 1966 a (1), Tortić 1966 b (1), Tortić 1968 b (1), Tortić & Lisiewska 1978 (1), unpub. Tkalčec & Mešić, unpub. Tortić (1), Schulzer 1857 HR? () (3)

Exs.: CNF

(Lit.: Romagnesi 1985)

Russula aurora Krombh.= *Russula rosea* (Schaeff. →) Quél. (nom. illeg.) (1)= *Russula velutipes* Velen.

Ref.: Focht 1986 (1), Tortić 1968 b (1), Tortić & Lisiewska 1978 (1), unpub. Tortić (1)

Exs.: CNF

Russula badia Quél.

Ref.: Focht 1974, Tortić 1966 a, Tortić 1966 b, unpub. Tortić, Focht 1986 HR?

Exs.: CNF

- Russula brunneoviolacea*** Crawshay
Ref.: Focht 1986
- ***Russula chloroides*** (Krombh.) Bres.
= *Russula delica* Fr. var. *glaucophylla* Quél. (1)
= *Russula delicula* Romagn. (2)
Ref.: Focht 1974, Focht 1986 () (1)(2), unpub. Tkalčec & Mešić
Exs.: CNF
(Lit.: Hansen & Knudsen 1992, Romagnesi 1985)
- Russula coerulea*** (Pers. →) Fr.
Ref.: Focht 1986, Schulzer & al. 1866, Schulzer 1857 HR?
- Russula consobrina*** (Fr. : Fr.) Fr.
Ref.: Focht 1986, unpub. Matočec
- Russula curtipes*** F.H. Møller et Jul. Schäff.
Ref.: Focht 1974
- ***Russula cyanoxantha*** (Schaeff.) Fr.
Ref.: Barčić 1982, Barčić 1996, Blagaić 1921, Focht 1979, Focht 1986, Gjurašin 1898, Kranjčev 1979, Lisiewska & Tortić 1990, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1993, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF
(Lit.: Romagnesi 1985)
- ***Russula delica*** Fr.
= *Russula deliciosa* (Vaill.) ex J. Schröt. (nom. illeg.) (1)
Misappl.: *Russula delica* Fr. var. *elephantina* (Fr.) Melzer et Zvára sensu Melzer et Zvára non Fr. (2)
Ref.: Focht 1974, Focht 1986, Jelić & Tortić 1973, Lisiewska & Tortić 1990, Schulzer 1882, Škorić 1928 (1), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić & Lisiewska 1978, Vouk & Pevalek 1915 (1), Vouk & Pevalek 1916 (1), unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić, Focht 1986 HR? (2)
Exs.: CNF
(Lit.: Romagnesi 1985)
- ***Russula densifolia*** (Secr.) ex Gillet
Ref.: unpub. Tkalčec & Mešić
Exs.: CNF
(Lit.: Hansen & Knudsen 1992, Romagnesi 1985)
- ***Russula emetica*** (Schaeff. : Fr.) Pers.
Ref.: Barčić 1989, Barčić 1996, Blagaić 1921, Blagaić 1931, Gjurašin 1898, Lisiewska & Tortić 1990, Škorić 1928, Tortić 1966 a, Vouk & Pevalek 1916, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF
(Lit.: Romagnesi 1985)

var. *silvestris* Singer
 = *Russula silvestris* (Singer) Reumaux
 Ref.: Focht 1986

Russula fellea (Fr. : Fr.) Fr.

Ref.: Focht 1974, Focht 1986, Tortić 1973, Tortić & Lisiewska 1978,
 unpub. Tortić
 Exs.: CNF

Russula flavispora (J. Blum) ex Romagn.

Ref.: Focht 1986

• ***Russula foetens*** Pers. : Fr.

Ref.: Blagaić 1931, Focht 1974, Focht 1986, Schulzer 1882, Schulzer &
al. 1866, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Tortić
 1993, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unpub. Tkalčec &
 Mešić, unpub. Tortić, Schulzer 1857 HR?

Exs.: CNF

(Lit.: Romagnesi 1985)

Russula fragilis (Pers. : Fr.) Fr.

= *Russula emetica* (Schaeff. : Fr.) Pers. var. *fragilis* (Pers. : Fr.) Quéf. (1)

= *Russula nivea* (Pers.) ? (2)

Ref.: Focht 1979, Gjurašin 1898 (1), Lorinser - Janda 1877, Schulzer
 1882, Schulzer & *al.* 1866 () (2), Škorić 1928, Vouk & Pevalek 1916,
 unpub. Tortić

Exs.: CNF

Russula gilva Zvára

Ref.: Focht 1986

• ***Russula grata*** Britzelm.

= *Russula laurocerasi* Melzer (1)

= *Russula laurocerasi* Melzer var. *fragrans* (Romagn.) Kuyper et Vuure
 (= var. *grata*)

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

• var. ***laurocerasi*** (Melzer) Rauschert

= *Russula laurocerasi* Melzer var. *laurocerasi*

Ref.: Tortić 1966 a (1), Tortić 1968 b (1), Tortić & Lisiewska
 1978 (1), unpub. Tkalčec & Mešić, unpub. Tortić (1)

Exs.: CNF

(Lit.: Romagnesi 1985)

Russula grisea (Pers. →) Fr.

= *Russula palumbina* Quéf. (1)

= *Russula suavis* Schulzer (2)

Ref.: Blagaić 1931, Focht 1974, Schulzer 1881 (2), Schulzer 1885 (1)
 Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, unpub. Tortić

Exs.: CNF

- ***Russula heterophylla*** (Fr.) Fr.
 Ref.: Tortić 1966 a, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić, Schulzer 1857 HR?
 Exs.: CNF
 (Lit.: Romagnesi 1985)
- Russula ilicis*** Romagn., Chevassut et Privat
 Ref.: Focht 1986
- Russula insignis*** Quéél.
 Misappl.: *Russula livescens* (Batsch) Quéél. sensu Bres. non Batsch (1)
 Ref.: Focht 1986 (1)
- Russula integra*** (L.) Fr.
 Ref.: Focht 1974, Focht 1986, Lorinser - Janda 1877, Schulzer 1882, Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, Vouk & Pevalek 1916, unpub. Tortić, Schulzer & al. 1866 ?
 Exs.: CNF
- Russula laeta*** F.H. Møller et Jul. Schöff.
 Ref.: Focht 1974, Focht 1979, Focht 1986 HR?
- Russula lateritia*** Quéél.
 Ref.: Focht 1986
- Russula lilacea*** Quéél.
 = *Russula lilacea* Quéél. var. *carnicolor* Bres. (1)
 Ref.: Focht 1986 (1), Gjurašin 1898, Tortić 1968 b, unpub. Tortić
 Exs.: CNF
- ***Russula luteotacta*** Rea
 Ref.: Focht 1986, Tortić 1966 a, unpub. Tkalčec & Mešić, unpub. Tortić
 Exs.: CNF
 (Lit.: Romagnesi 1985)
- Russula maculata*** Quéél.
 Ref.: Focht 1974, Focht 1986
- Russula mairei*** Singer
 Ref.: Focht 1974, Lisiewska 1993, Lisiewska & Tortić 1990, Tortić 1973, Tortić & Lisiewska 1978, unpub. Lisiewska, unpub. Tortić
 Exs.: CNF, POZM
- *• ***Russula medullata*** Romagn.
 Ref.: unpub. Tkalčec & Mešić, Focht 1986 HR?
 Exs.: CNF
 (Lit.: Romagnesi 1985)
- Russula melliolens*** Quéél.
 Ref.: Tortić 1968 b, unpub. Tortić, Focht 1986 HR?
 Exs.: CNF

***Russula mustelina* Fr.**

Ref.: Tortić 1966 a

• ***Russula nigricans* (Bull. →) Fr.**= *Russula nigrescens* (Krombh.) Schulzer (1)

Ref.: Focht 1974, Focht 1986, Kranjčev 1991, Kranjčev 1995, Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unpubl. Matočec, unpubl. Tkalčec & Mešić, unpubl. Tortić, Schulzer 1857 HR? (1)

Exs.: CNF

(Lit.: Romagnesi 1985)

• ***Russula nitida* (Pers. : Fr.) Fr.**

Ref.: Focht 1986, unpubl. Tkalčec & Mešić

Exs.: CNF

(Lit.: Romagnesi 1985)

***Russula ochroleuca* Pers.**

Ref.: Lisiewska & Tortić 1990, Schulzer & al. 1866, Tortić 1973, Vouk & Pevalek 1916, unpubl. Tortić, Schulzer 1857 HR?

Exs.: CNF

***Russula olivacea* (Schaeff.) Pers.**

Ref.: Focht 1974, Focht 1979, Focht 1986, Škorić 1928, Tortić 1968 b, Vouk & Pevalek 1916, unpubl. Lisiewska

Exs.: CNF, POZM

***Russula paludosa* Britzelm.**

Ref.: Tortić & Lisiewska 1978

***Russula pectinata* Fr.**

Ref.: Focht 1974, Focht 1986, Škorić 1928, Vouk & Pevalek 1916

*• ***Russula pectinatoides* Peck**Misappl.: *Russula pectinata* Fr. sensu Jul. Schäff., auct. p. p. non Fr. (1)

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

Exs.: CNF

(Lit.: Romagnesi 1985, Sarnari 1998)

***Russula persicina* Krombh.**Misappl.: *Russula rubicunda* Quéf. sensu Jul. Schäff., auct. p. p. non Quéf. (1)

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

***Russula postiana* Romell**Misappl.: *Russula olivascens* Pers. sensu Bres. (1)

Ref.: Focht 1986 (1)

***Russula pseudodelica* J.E. Lange sensu lato**Incl.: *Russula pallidospora* (J. Blum) ex Romagn.Misappl.: *Russula pseudodelica* J.E. Lange sensu Jul. Schäff. non J.E. Lange

Russula pseudodelica J.E. Lange (1)

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

Annotation: Author of the records for Croatia does not make distinction between these two species.

***Russula puellaris* Fr.**

= *Russula puellaris* Fr. var. *leprosa* Bres (1)

Ref.: Focht 1974, Saccardo 1887 HR? (1)

***Russula queletii* Fr.**

Ref.: Lisiewska 1993, Lisiewska & Tortić 1990, Tortić 1966 a, Tortić 1966 b, Tortić 1994, unp. Tortić

Exs.: CNF

***Russula risigallina* (Batsch) Sacc.**

= *Russula chamaeleontina* Fr. (1)

= *Russulina chamaeleontina* (Fr.) ? (2)

= *Russula lutea* (Huds. : Fr.) Gray var. *armeniaca* (Cooke) ? (3)

Ref.: Focht 1974 (1), Tortić & Lisiewska 1978 (1), Vouk & Pevalek 1916 (2), Focht 1986 HR? (3)

Exs.: CNF

Russula risigallina* (Batsch) Sacc. *sensu lato

Incl.: *Russula acetolens* Rauschert

Russula risigallina (Batsch) Sacc.

= *Russula lutea* (Huds. : Fr.) Gray (nom. dub., nom. ambig. - Rauschert 1989) (1)

Ref.: Gjurašin 1898 (1), Lisiewska & Tortić 1990 (1), Tortić 1966 a (1), Tortić 1966 b (1), Tortić 1968 b (1), unp. Tortić (1)

Exs.: CNF

***Russula romellii* Maire**

Ref.: Focht 1979, Focht 1986

• ***Russula rosea* Pers.**

= *Russula lepida* Fr. (1)

= *Russula rosacea* (Pers.) Gray (nom. illeg.) (2)

Misappl.: *Russula lepida* Fr. f. *lactea* (Pers.) F.H. Møller et Jul. Schäff. sensu F.H. Møller et Jul. Schäff. non Pers. (3)

Ref.: Blagaić 1921 b (1), Focht 1986 (1), Tortić 1966 a (1), Tortić 1966 b (1), Tortić 1968 b (1), Tortić & Lisiewska 1978 (1)(3), Vouk & Pevalek 1916 (2), unp. Lisiewska (2), unp. Tkalčec & Mešić, unp. Tortić (1)(3), Focht 1979 HR? (1)

Exs.: BEO (1), CNF, POZM (2)

(Lit.: Romagnesi 1985)

***Russula rubra* (Lam. ex Fr. : Fr.) Fr.**

Ref.: Gjurašin 1898, Lorinser - Janda 1877, Schulzer & al. 1866, Vouk & Pevalek 1916

- Russula rubroalba*** (Singer) Romagn.
Ref.: Focht 1986
- Russula sanguinaria*** (Bull. → Schumach.) Rauschert
= *Russula sanguinea* (Bull. →) Fr. (1)
Ref.: Blagaić 1921 (1), Focht 1972 (1), Focht 1974 (1), Mužic & Božac 1984 (1), Vouk & Pevalek 1915 (1)
- Russula sardonja*** Fr.
= *Russula sardonja* Fr. var. *mellina* Melzer (1)
= *Russula drimeia* Cooke
Ref.: Focht 1986 (1), Škorić 1928
- Russula seperina*** Dupain
Ref.: Focht 1986
- Russula solaris*** Ferd. et Winge
Ref.: Focht 1986, Lisiewska 1993, Lisiewska & Tortić 1990, unpub. Tortić
Exs.: CNF
- ***Russula sororia*** (Fr.) Romell
Ref.: Focht 1974, Focht 1986, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF
(Lit.: Romagnesi 1985)
- Russula torulosa*** Bres.
Ref.: Božac 1989, Božac 1993, Focht 1974, Focht 1986
- Russula undulata*** Velen.
= *Russula atropurpurea* (Krombh.) Britzelm. (comb. illeg.) non *R. atropurpurea* Peck (1)
= *Russula krombholzii* Shaffer
Misappl.: *Russula nauseosa* (Pers.) Fr. sensu Bres. non sensu Fr. (2)
Ref.: Focht 1974 (2), Focht 1986 (2), Tortić 1968 b (1), unpub. Tortić (1)
Exs.: CNF
- Russula urens*** Romell
Ref.: Focht 1974
- Russula velenovskyi*** Melzer et Zvára
Ref.: Focht 1986, Lisiewska & Tortić 1990, unpub. Tortić
var. ***cruentata*** (Qué. et Schulzer) J. Blum ex Bon
= *Russula cruentata* Qué. et Schulzer (1)
Ref.: Saccardo 1887 (1), Schulzer 1885 (1)
- ***Russula vesca*** Fr.
Ref.: Focht 1974, Lisiewska & Tortić 1990, Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unpub. Matošec, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF
(Lit.: Romagnesi 1985)

***Russula veteriosa* Fr.**

Ref.: Focht 1974, Focht 1986

***Russula violacea* Quél. sensu lato**Incl.: *Russula cavipes* Britzelm. (1)Misappl.: *Russula violacea* Quél. sensu Jul. Schäff., auct. p. p. non Quél.*Russula violacea* Quél. (2)

Ref.: Gjurašin 1898 (2), Tortić 1966 b (2), Tortić 1968 b (2), Tortić & Lisiewska 1978 (2), unpub. Tortić (2), Tortić 1966 a ? (1)(2)

Exs.: CNF (1)

Annotation: The authors of the records for Croatia could easily have misapplied name *Russula violacea* to species *R. cavipes*.• ***Russula violeipes* Quél.**= *Russula amoena* Quél. var. *violeipes* (Quél.) Singer (1)

Ref.: Focht 1972 (1), Focht 1986, unpub. Lisiewska, unpub. Matočec, unpub. Tkalčec & Mešić

Exs.: CNF, POZM

(Lit.: Romagnesi 1985)

• ***Russula virescens* (Schaeff.) Fr.**= *Russula aeruginosa* (Pers.) Krombh. (1)

Ref.: Blagaić 1931, Focht 1981 a, Jelić & Tortić 1973, Kranjčev 1979, Kranjčev 1986 b, Lorinser - Janda 1877, Schulzer & al. 1866 (1), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić & Lisiewska 1978, Vouk & Pevalek 1916, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić, Focht 1979 HR?, Focht 1986 HR?, Schulzer 1857 HR?

Exs.: BEO, CNF

(Lit.: Romagnesi 1985)

* ***Russula viscida* Kudzina**

Ref.: unpub. Tortić

Exs.: CNF

***Russula xerampelina* (Schaeff.) Fr.**= *Russula xerampelina* (Schaeff.) Fr. var. *erythropus* (Pelt.) Konrad et J. Favre (1)- as *Russula xerampelina* (Schaeff.) Fr. var. *xerampelina* (2)

Ref.: Barčić 1982, Lisiewska & Tortić 1990 (2), Schulzer & al. 1866, Tortić 1966 a () (1), Tortić & Lisiewska 1978, unpub. Tortić () (2), Schulzer 1857 HR?

***Russula xerampelina* (Schaeff.) Fr. sensu lato**

Ref.: Barčić 1996, Tortić 1993

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***Russula amoena* Quél.**

Ref.: Focht 1986 HR?

Russula anatina Romagn.

Ref.: Focht 1986 HR?

Russula citrinochlora Singer

Ref.: Focht 1986 HR?

Russula galochroa (Fr.) Fr.

Ref.: Focht 1986 HR?

Russula odorata Romagn.

Ref.: Focht 1986 HR?

Russula pseudointegra Arnould et Goris

Ref.: Focht 1986 HR?

Russula straminea Malençon

Ref.: Focht 1986 HR?

Russula vinosobrunnea (Bres.) Romagn.

Ref.: Focht 1986 HR?

Family **Strophariaceae** Singer et A.H. Sm.

Hypholoma (Fr.) P. Kumm.

= *Naematoloma* P. Karst.

(Lit.: Arnolds & al. 1995, Bas & al. 1999, Bollmann & al. 1996, Fries 1821, Hansen & Knudsen 1992, Kreisel 1987, Moser 1983, Singer 1986, Watling & Gregory 1987)

• ***Hypholoma capnoides*** (Fr. : Fr.) P. Kumm.

= *Naematoloma capnoides* (Fr. : Fr.) P. Karst. (1)

= *Psilocybe capnoides* (Fr. : Fr.) Noordel.

Ref.: Tortić 1966 a (1), Tortić 1966 b (1), Tortić 1989, unpubl. Matočec, unpubl. Tkalčec & Mešić, unpubl. Tortić () (1), Focht 1979 HR? (1)

Exs.: CNF

(Lit.: Bas & al. 1999, Moser 1983)

Hypholoma ericaeum (Pers. : Fr.) Kühner

= *Psilocybe ericaea* (Pers. : Fr.) Quélet. (1)

Ref.: Gjurašin 1898 (1)

• ***Hypholoma fasciculare*** (Huds. : Fr.) P. Kumm.

= *Agaricus fascicularis* Huds. : Fr. (1)

= *Naematoloma fasciculare* (Huds. : Fr.) P. Karst. (2)

= *Psilocybe fascicularis* (Huds. : Fr.) Noordel.

Ref.: Barčić 1982, Barčić 1996, Blagaić 1921, Blagaić 1931, Focht 1974 (2), Forenbacher 1915, Jelić & Tortić 1973, Lisiewska & Tortić 1990, Schulzer 1882 (1), Schulzer & al. 1866 (1), Škorić 1928, Vouk & Pevalek 1915, Vouk & Pevalek 1916, Tortić 1964 (2), Tortić 1966 a (2), Tortić 1966 b (2), Tortić 1968 a, Tortić 1989, Tortić 1993, Tortić 1994,

Tortić & Lisiewska 1978, Urbani 1946, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić () (2), Schulzer 1857 HR? (1)
 Exs.: CNF
 (Lit.: Bas & al. 1999, Moser 1983)

• ***Hypholoma lateritium*** (Schaeff. : Fr.) J. Schröt.

= *Agaricus lateritius* Schaeff. : Fr. (1)
 = *Psilocybe lateritia* (Schaeff. : Fr.) Noordel.
 = *Hypholoma sublateritium* (Fr.) Quél. (2)
 = *Naematoloma sublateritium* (Fr.) P. Karst. (3)
 Ref.: Blagaić 1921 (2), Focht 1979 (3), Focht 1983 (3), Gjurašin 1898 (2), Jelić & Tortić 1973 (2), Schulzer 1882 (1), Schulzer & al. 1866 (1), Tortić 1964 (3), Tortić 1966 a (3), Tortić 1966 b (3), Tortić 1989 (2), Tortić & Lisiewska 1978 (2), Vouk & Pevalek 1915, unpub. Matočec (2), unpub. Tkalčec & Mešić, unpub. Tortić (2)(3), Schulzer 1857 HR? (1)
 Exs.: CNF
 (Lit.: Bas & al. 1999, Moser 1983, Watling & Gregory 1987)

• ***Hypholoma marginatum*** (Pers.) J. Schröt.

= *Psilocybe marginata* (Pers.) Noordel.
 = *Hypholoma dispersum* (Fr. →) Quél. (1)
 = *Naematoloma dispersum* (Fr. →) Quél. P. Karst. (2)
 Ref.: Tortić 1966 a (2), Tortić 1966 b (2), Tortić 1973 (1), unpub. Tkalčec & Mešić, unpub. Tortić (1)(2)
 Exs.: CNF
 (Lit.: Bas & al. 1999, Moser 1983, Watling & Gregory 1987)

Kuehneromyces Singer et A.H. Sm.

(Lit.: Arnolds & al. 1995, Bollmann & al. 1996, Hansen & Knudsen 1992, Jacobsson 1991, Kreisel 1987, Moser 1983, Singer 1986)

• ***Kuehneromyces mutabilis*** (Scop. : Fr.) Singer et A.H. Sm.

= *Agaricus mutabilis* Scop. : Fr. (1)
 = *Pholiota mutabilis* (Scop. : Fr.) P. Kumm. (2)
 Ref.: Blagaić 1921 (2), Blagaić 1931 (2), Božac 1982 (2), Božac 1984, Božac 1986, Božac 1989 () (2), Božac 1993 () (2), Focht 1986, Kranjčev 1979 (2), Kranjčev 1986, Škorić 1928 (2), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1968 a, Tortić 1979, Tortić 1989, Tortić 1993, Tortić 1994, Vouk & Pevalek 1916 (2), unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić 1970, unpub. Tortić () (2), Schulzer 1857 HR? (1)
 Exs.: BEO, CNF
 (Lit.: Bas & al. 1999, Jacobsson 1991, Moser 1983)

Melanotus Pat.

(Lit.: Arnolds & al. 1995, Bas & al. 1999, Bollmann & al. 1996, Moser 1983, Singer 1986, Watling & Gregory 1987)

Melanotus horizontalis (Bull. : Fr.) P.D. Orton
 = *Agaricus horizontalis* Bull. : Fr. (1)
 = *Phaeomarasmius horizontalis* (Bull. : Fr.) Kühner
 = *Psilocybe horizontalis* (Bull. : Fr.) Vellinga et Noordel.
 Ref.: Schulzer & al. 1866 (1)

Phaeomarasmius Scherff.

(Lit.: Arnolds & al. 1995, Hansen & Knudsen 1992,
 Kreisel 1987, Moser 1983, Pilát 1951, Singer 1986)

Phaeomarasmius erinaceus (Fr. : Fr.) Kühner
 = *Naucoria erinacea* (Fr. : Fr.) Gillet (1)
 Ref.: Focht 1974 (1)

Pholiota (Fr.) P. Kumm.

(Lit.: Arnolds & al. 1995, Bas & al. 1999, Bollmann & al. 1996,
 Hansen & Knudsen 1992, Holec 2001, Jacobsson 1991, Kreisel
 1987, Moser 1983, Singer 1986)

• **Pholiota alnicola** (Fr. : Fr.) Singer

= *Naucoria amara* (Bull.) ? (1)
 = *Pholiota salicicola* (Fr.) Bon
 Ref.: Vouk & Pevalek 1916 (1), unpubl. Tkalčec & Mešić
 Exs.: CNF
 (Lit.: Jacobsson 1991)

• **Pholiota astragalina** (Fr. : Fr.) Singer

Ref.: Tortić 1966 a, Tortić 1993, unpubl. Lisiewska, unpubl. Tkalčec & Mešić,
 unpubl. Tortić
 Exs.: CNF, POZM
 (Lit.: Bas & al. 1999, Jacobsson 1991)

• **Pholiota aurivella** (Batsch : Fr.) P. Kumm.

= *Agaricus aurivellus* Batsch : Fr. (1)
 Ref.: Blagaić 1931, Schulzer & al. 1866 (1), Škorić 1938, Tortić 1966 a,
 Tortić 1966 b, Tortić 1968 b, Tortić 1989, unpubl. Tkalčec & Mešić, unpubl.
 Tortić
 Exs.: CNF
 (Lit.: Hansen & Knudsen 1992, Jacobsson 1991)

Pholiota flavida (Schaeff. : Fr.) Singer

= *Agaricus flavidus* Schaeff. : Fr. (1)
 Ref.: Tortić 1973, unpubl. Tortić, Schulzer 1857 HR? (1)
 Exs.: CNF

• **Pholiota gummosa** (Lasch : Fr.) Singer

Ref.: Barčić 1982, Barčić 1996, Tortić 1968 b, Tortić & Lisiewska 1978,
 unpubl. Tkalčec & Mešić, unpubl. Tortić

- Exs.: CNF
(Lit.: Bas & al. 1999, Jacobsson 1991)
- ***Pholiota highlandensis*** (Peck) Quadr.
= *Pholiota carbonaria* (Fr. : Fr.) Singer (comb. illeg.) non *P. carbonaria* A.H. Sm. (1)
Ref.: Božac 1984 (1), unpub. Tkalčec & Mešić, unpub. Tortić (1)
Exs.: CNF
(Lit.: Bas & al. 1999, Jacobsson 1991)
 - ***Pholiota lenta*** (Pers. : Fr.) Singer
Ref.: Božac 1984, Božac 1986, Božac 1989, Božac 1993, Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, unpub. Matočec, unpub. Tkalčec & Mešić, unpub. Tortić
Exs.: CNF
(Lit.: Jacobsson 1991)
 - ***Pholiota lubrica*** (Pers. : Fr.) Singer
= *Pholiota decussata* (Fr.) Moser (1)
Ref.: Tortić 1966 a (1), Tortić 1966 b (1), unpub. Tkalčec & Mešić, unpub. Tortić (1)
Exs.: CNF
(Lit.: Jacobsson 1991)
 - Pholiota lucifera*** (Lasch) Quéf.
Ref.: Tortić 1966 a, Tortić 1966 b, Tortić 1968 b, unpub. Tortić
Exs.: CNF
 - ***Pholiota populnea*** (Pers. : Fr.) Kuyper et Tjall.-Beuk.
= *Pholiota destruens* (Brond.) Gillet (1)
Ref.: Blagaić 1923 (1), Focht 1986 (1), Vouk & Pevalek 1915 (1), unpub. Tkalčec & Mešić
Exs.: CNF
(Lit.: Bas & al. 1999, Holec 2001, Jacobsson 1991)
 - Pholiota spumosa*** (Fr. : Fr.) Singer
Ref.: Tortić 1968 b, unpub. Tortić
Exs.: CNF
 - ***Pholiota squarrosa*** (Weigel : Fr.) P. Kumm.
= *Agaricus squarrosus* Weigel : Fr. (1)
Ref.: Kišpatić 1950, Lisiewska & Tortić 1990, Schulzer & al. 1866 (1), Tortić 1964, Tortić 1966 a, Tortić 1966 b, Tortić 1989, unpub. Lisiewska, unpub. Tkalčec & Mešić, unpub. Tortić, Schulzer 1857 HR? (1)
Exs.: CNF, POZM
(Lit.: Bas & al. 1999, Jacobsson 1991)
 - ***Pholiota tuberculosa*** (Schaeff. : Fr.) P. Kumm.
= *Agaricus curvipes* Pers. (1)
Ref.: Schulzer & al. 1866 (1), unpub. Tkalčec & Mešić

Exs.: CNF
(Lit.: Holec 2001, Jacobsson 1991)

***Psilocybe* (Fr.) P. Kumm.**

(Lit.: Arnolds & al. 1995, Bas & al. 1999, Bollmann & al. 1996, Hansen & Knudsen 1992, Høiland 1978, Kreisel 1987, Moser 1983, Singer 1986, Watling & Gregory 1987)

***Psilocybe merdaria* (Fr. : Fr.) Ricken**

Ref.: Focht 1974

****Psilocybe palmigena* (Berk. et M.A. Curtis) Sacc.**

Ref.: unpub. Veselský

Exs.: CNF

***Psilocybe semilanceata* (Fr.) P. Kumm.**

Ref.: Torti'c 1973

Exs.: PRM

***Stropharia* (Fr.) Qu'el.**

(Lit.: Arnolds & al. 1995, Bas & al. 1999, Bollmann & al. 1996, Hansen & Knudsen 1992, Kreisel 1987, Moser 1983, Pil'at 1951, Singer 1986, Watling & Gregory 1987)

•*Stropharia aeruginosa* (Curtis : Fr.) Qu'el.

= *Agaricus aeruginosus* Curtis : Fr. (1)

= *Psilocybe aeruginosa* (Curtis : Fr.) Noordel.

- as *Agaricus "ceruginosus"* Pers. (2)

Ref.: Schulzer 1857 (1), Schulzer & al. 1866 (2) + Schulzer 1867 (1), Torti'c 1964, Torti'c 1966 a, Torti'c 1966 b, Torti'c & Lisiewska 1978, unpub. Mato'cec, unpub. Tkal'cec & Me'šic, unpub. Torti'c

Exs.: CNF

(Lit.: Bas & al. 1999, Watling & Gregory 1987)

***•*Stropharia caerulea* Kreisel**

= *Psilocybe caerulea* (Kreisel) Noordel.

Misappl.: *Stropharia cyanea* (Bolton) Tuomikoski sensu auct. non Bolton

(sensu Bolton = *S. aeruginosa* - Kreisel 1987)

Ref.: unpub. Mato'cec, unpub. Tkal'cec & Me'šic

Exs.: CNF

(Lit.: Bas & al. 1999, Watling & Gregory 1987)

•*Stropharia coronilla* (Bull. : Fr.) Qu'el.

= *Psilocybe coronilla* (Bull. : Fr.) Noordel.

Ref.: Focht 1974, Gjurašin 1898, Torti'c 1964, unpub. Mato'cec, unpub. Tkal'cec & Me'šic, unpub. Torti'c

Exs.: CNF
(Lit.: Bas & al. 1999, Moser 1983)

•*Stropharia rugosoannulata* Farl.

Ref.: Focht 1986, unpub. Tkalčec & Mešić
Exs.: CNF
(Lit.: Bas & al. 1999, Moser 1983)

Stropharia semiglobata (Batsch : Fr.) Quél.

= *Agaricus semiglobatus* Batsch : Fr. (1)
= *Anellaria semiglobata* (Batsch : Fr.) ? (2)
= *Psilocybe semiglobata* (Batsch : Fr.) Noordel.
= *Agaricus mamillatus* Schulzer (3)
= *Stropharia mamillata* (Schulzer) ? (4)
Ref.: Focht 1974, Schulzer & al. 1866 (1), Tortić 1966 a, Tortić 1966 b,
Tortić 1968 b, Vouk & Pevalek 1915 (2), unpub. Tortić, Fries 1874 HR?
(3), Kalchbrenner & Schulzer 1873-1877 HR? (3), Saccardo 1887 HR?
(4), Schulzer 1857 HR? (1)
Exs.: CNF

•*Stropharia squamosa* (Pers. : Fr.) Quél.

= *Agaricus squamosus* Pers. : Fr. (1)
= *Psilocybe squamosa* (Pers. : Fr.) P.D. Orton
Ref.: Božac 1984, Tortić 1968 b, unpub. Tortić, Schulzer 1857 HR? (1)
Exs.: CNF

*•var. *thrausta* (Schulzer) Masee

= *Psilocybe squamosa* (Pers. : Fr.) P.D. Orton var. *thrausta*
(Schulzer) Guzmán
Ref.: unpub. Tkalčec & Mešić
Exs.: CNF
(Lit.: Bas & al. 1999)

EXCLUDED RECORDS

Family *Crepidotaceae* (S. Imai) Singer

*Agaricus albatu*s Schulzer = ? [*Crepidotus*]

Ref.: Schulzer 1877, Schulzer & al. 1866

Agaricus furfuraceus Pers. : Fr. var. *sporisoris-luteis* Schulzer = ?

Ref.: Schulzer 1879 a

Agaricus pellucidus Bull. : Fr. var. *perdebilis* Schulzer = ? [*Tubaria*]

Ref.: Schulzer 1879 a

Crepidotus subinteger (Schulzer) Sacc. - nom. dub. (Pilát 1948)

= *Agaricus subinteger* Schulzer (1)
Ref.: Pilát 1948, Saccardo 1887, Schulzer 1882 (1)

Pleurotellus chioneus (Pers.) Kühner

Ref.: Focht 1974

Annotation: Modern authors disagree about the interpretation of this taxon. Some authors consider it an autonomous species (Kreisel 1987, Moser 1983, Singer 1986), some consider it a synonym of *Crepidotus epibryus* (Fr. : Fr.) Quél. (Arnolds & al. 1995), while some consider it a doubtful species (Dennis & al. 1960, Norstein 1990).

Family **Russulaceae** Roze ex Lotsy***Lactarius argematus*** (Fr. : Fr.) Fr. var. *connatus* Bres. et Schulzer = ?

Ref.: Saccardo 1887, Schulzer 1885

Lactarius badioalbus Schulzer = ?

Ref.: Schulzer 1879 a

Lactarius camphoratus (Bull.) Fr. var. *inolidus* Schulzer = ?

Ref.: Schulzer 1881

Lactarius candiculus Schulzer = ?

Ref.: Schulzer 1879 a

Lactarius cilicioides (Fr. : Fr.) Fr. (rev.) (1)

Ref.: Focht 1972, unpubl. Matočec

Annotation: This epithet is interpreted in two different senses (for *Lactarius citriolens* Pouzar and for *L. pubescens* Fr. - see Basso 1999). Therefore, without revision it is not possible to know which species the authors have found.

Lactarius cyathula (Fr.) Fr. - nom. ambig.

Ref.: Vouk & Pevalek 1916

Lactarius flexuosus (Pers. : Fr.) Gray

Ref.: Schulzer & al. 1866 ?

Annotation: The author himself doubted his identification.

Lactarius medius Schulzer = ?

Ref.: Schulzer 1881

Lactarius theiogalus (Bull. : Fr.) Gray= *Agaricus theiogalus* Bull. : Fr. (1)

Ref.: Gjurašin 1898, Kišpatić 1950, Schulzer 1857 (1), Schulzer & al. 1866, unpubl. Tortić

Annotation: This species has been interpreted in different senses (see Basso 1999, Heilmann-Clausen & al. 1998). We do not know which sense has been used by the authors of the records.

Lactarius umbrinus (Pers.) Fr.

Ref.: Škorić 1928

Annotation: This is a doubtful species (Dennis & al. 1960).

Russula alba Schulzer = ?

Ref.: Schulzer 1870

- Russula aurantiolutea*** Schulzer - nom. nud.
Ref.: Schulzer & al. 1866
- Russula basifurcata*** Peck
Ref.: Focht 1974
Annotation: This species has been interpreted in different senses (see Sarnari 1998). We do not know which sense has been used by the author of the record.
- Russula bifida*** (Bull.) J. Schröt.
Ref.: Škorić 1928
Annotation: Romagnesi (1967) considers that it could be identical with *Russula heterophylla* (Fr.) Fr.
- Russula bresadolae*** Schulzer
Ref.: Saccardo 1887, Schulzer 1885
Annotation: Romagnesi (1967) considers that it could be identical with *Russula undulata* Velen.
- Russula cinnamomicolor*** Krombh.
Ref.: Schulzer & al. 1866, Schulzer 1857 HR?
Annotation: It is a doubtful species (see Romagnesi 1967, Sarnari 1998).
- Russula depallens*** (Pers. : Fr.) Fr.
Ref.: Škorić 1928, Vouk & Pevalek 1916
Annotation: This epithet has been interpreted in different senses (see Romagnesi 1967). We do not know which sense has been used by the authors of the quotes.
- Russula diabolica*** Schulzer - nom. nud.
Ref.: Schulzer & al. 1866
- Russula furcata*** (Lam. : Fr.) Fr.
Ref.: Blagaić 1931
Annotation: This epithet has been interpreted in different senses (see Romagnesi 1967). We do not know which sense has been used by the author of the record.
- Russula incarnata*** Qué. var. *livida* Bres. = ?
Ref.: Saccardo 1887, Schulzer 1885
- Russula inodora*** Schulzer - nom. nud.
Ref.: Schulzer & al. 1866
- Russula lactea*** Pers.
Ref.: Lorinser - Janda 1877, Schulzer & al. 1866, Škorić 1928, Vouk & Pevalek 1916
Annotation: According to Romagnesi (1967), most interpretations of this species by older authors are doubtful, therefore we excluded the records.
- Russula lactea*** Pers. var. *macella* Schulzer = ?
Ref.: Schulzer 1879 a
- Russula linnaei*** (Fr.) Fr.
Ref.: Vouk & Pevalek 1916

Annotation: According to Vuure (1992), identity of this species is doubtful in the original, Friesian sense. Later, this name has been misapplied in different senses, and we do not know which sense has been used by the author of the record.

Russula livida (Pers.) J. Schröt.

Ref.: Vouk & Pevalek 1916

Annotation: According to Dennis & al. (1960) and Romagnesi (1967), the identity of this species is doubtful in the original, Persoon's sense. Since misapplications of this epithet for *Russula heterophylla* (Fr.) Fr. are dated after the record for Croatia, we excluded it.

Russula ochraceoalba Britzelm. = ?

Ref.: Vouk & Pevalek 1916

Russula ochroleuca Pers. var. ***fraudulosa*** Schulzer - nom. nud.

Ref.: Schulzer & al. 1866

Russula palomet (DC.) ? = ?

Ref.: Schulzer & al. 1866

Russula plumbeocinerea Schulzer = ?

Ref.: Schulzer 1870

Russula purpurea (Schaeff.) ? = ?

Ref.: Vouk & Pevalek 1916

Russula purpurina Quél. et Schulzer = ?

Ref.: Saccardo 1887, Schulzer 1885

Russula queletiana Sacc. = ?

= *Russula queletii* Schulzer (nom. illeg.) (1)

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

Russula rugosa Schulzer = ?

Ref.: Schulzer 1879 a, Schulzer & al. 1866 (nom. nud.), Schulzer 1870 HR?

Russula subemetica Schulzer = ?

Ref.: Schulzer 1881

Russula tincta Schulzer - nom. nud.

Ref.: Schulzer & al. 1866

Russula xerampelina (Schaeff.) Fr. var. ***barlae*** (Quél.) Masee

= *Russula barlae* Quél.

Ref.: Lisiewska & Tortić 1990, unpubl. Tortić

Exs.: CNF

Annotation: According to Arnolds & al. (1995) and Bollmann & al. (1996) this epithet has been misapplied for two different species (sensu Jul. Schäff. = *Russula faginea* Romagn., sensu Romagn. = *R. cicatricata* Romagn. ex Bon). Since we do not know in which sense the authors of the records have used this name, we exclude it.

Familia **Strophariaceae** Singer et A.H. Sm.

- Agaricus adiposoides* Schulzer = ? [*Pholiota*]
Ref.: Schulzer 1879 a
- Agaricus agrarioides* Schulzer = ? [*Psilocybe*]
Ref.: Schulzer 1878
- Agaricus amarodulcis* Schulzer = ? [*Flammula*]
Ref.: Schulzer 1877
- Agaricus apicreus* Fr. var. *apiculatulus* Schulzer = ?
Ref.: Schulzer 1880
- Agaricus arrosus* Schulzer = ? [*Psilocybe*]
Ref.: Schulzer 1877
- Agaricus britzelmayri* Schulzer = ? [*Hypholoma*]
= *Agaricus praecox* Pers. : Fr. var. *macrospermus* Schulzer (1)
Ref.: Schulzer 1879 a (1), Schulzer 1881
- Agaricus bulbosulus* Schulzer = ? [*Psilocybe*]
Ref.: Schulzer 1877
- Agaricus bullaceoides* Schulzer - nom. dub. (Gerhardt 1996)
Ref.: Schulzer 1877
Annotation: According to Gerhardt (1996) this name is a synonym of
Psilocybe coprophila (Bull. : Fr.) P. Kumm. or *Stropharia semiglobata*
(Batsch : Fr.) Quél.
- Agaricus caducus* Schulzer = ? [*Hypholoma*]
Ref.: Schulzer 1877
- Agaricus carpini-betuli* Schulzer = ? [*Hypholoma*]
= *Agaricus carpini* Schulzer (nom. illeg.) (1)
Ref.: Schulzer 1880 (1), Schulzer 1881, Schulzer & al. 1866 (nom. nud.) (1)
- Agaricus congestus* Schulzer = ? [*Flammula*]
Ref.: Schulzer 1880
- Agaricus dulcamaricans* Schulzer = ? [*Flammula*]
Ref.: Schulzer 1877
- Agaricus dulcamaricans* Schulzer var. *populicola* Schulzer = ? [*Flammula*]
Ref.: Schulzer 1877
- Agaricus insipidus* Schulzer = ? [*Psilocybe*]
Ref.: Schulzer 1881
- Agaricus languide-flavus* Schulzer = ? [*Pholiota*]
Ref.: Schulzer 1877
- Agaricus lateritius* Schaeff. : Fr. var. *acrocomatus* Schulzer - nom. nud.
Ref.: Schulzer & al. 1866
- Agaricus merdarius* Fr. : Fr. var. *laevis* Schulzer = ?
Ref.: Schulzer 1877
- Agaricus nigrosporus* Schulzer = ? [*Psilocybe*]
Ref.: Schulzer 1880

- Agaricus nigrosporus* Schulzer var. *nemoreus* Schulzer = ? [*Psilocybe*]
Ref.: Schulzer 1880
- Agaricus nummus* Schulzer = ? [*Flammula*]
Ref.: Schulzer 1877
- Agaricus pulverans* Schulzer = ? [*Pholiota*]
Ref.: Schulzer 1877
- Agaricus subarmillatus* Schulzer = ? [*Hypholoma*]
Ref.: Schulzer 1881
- Agaricus subrugosus* Schulzer = ? [*Hypholoma*]
Ref.: Schulzer 1878
- Agaricus velutiniformis* Schulzer - nom. inval.
Ref.: Schulzer 1881
- Flammula bresadolae* Schulzer = ?
= *Agaricus vulpecula* Schulzer (nom. illeg.) (1)
Ref.: Saccardo 1887, Schulzer 1877 (1), Schulzer 1885
- Hypholoma assimulans* Britzelm. = ?
Ref.: Vouk & Pevalek 1915
- Hypholoma elaeodes* (Fr.) Gillet
Ref.: Vouk & Pevalek 1915
Annotation: According to Dennis & al. (1960) and Watling & Gregory (1987) it could be a synonym of *Hypholoma fasciculare* (Huds. : Fr.) P. Kumm.
- Hypholoma fasciculare* (Huds. : Fr.) P. Kumm. var. *obtusum* (Schulzer) Sacc.
Ref.: Saccardo 1887
Annotation: Author of the quote specified Slavonia (part of Croatia) as a locality, but Schulzer has not described this variety from the territory of Croatia.
- Pholiota djakovensis* (Schulzer) Sacc. = ?
= *Agaricus djakovensis* Schulzer (1)
Ref.: Saccardo 1887, Schulzer 1882 (1)
- Pholiota magna* Sacc. = ?
Ref.: Saccardo 1887 HR?

CONCLUSION

This Preliminary checklist of Agaricales from Croatia published in five parts, this being the last one, includes all published and most of the unpublished sources of data known to us, published or collected until 1 January 2000. The checklist presents all together 837 species (seven of them in a broad sense), 112 genera and 16 families, of which we have revised 440 species. 106 species and five genera are reported for the first time from Croatia.

We estimate that the overall number of species of the order Agaricales in Croatia is about 3000. Therefore, it is obvious that mycological research in Croatia is still at the beginning. In the last few years mycological field research in Croatia has been intensified under the long-term project of Croatian Mycological Society "Recording and Mapping of Fungi in Croatia".

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