

Taxonomic literature on the genus *Lepiota* s. l. in the Czech Republic

LUBOŠ ZELENÝ

Nebílovy 75, 332 04, Czech Republic
zeleny@pvl.cz

Zelený L. (2006): Taxonomic literature on the genus *Lepiota* s. l. in the Czech Republic. – Czech Mycol. 58(3–4): 225–265.

A literary checklist of the genus *Lepiota* s. l. was compiled by excerpting Czech taxonomic literature. The list is based on taxonomic papers in which the genus *Lepiota* is discussed and includes 165 names. It contains also species mentioned in some mycofloristic papers. A separate chapter deals with species described by J. Velenovský.

Key words: *Lepiotaceae*, *Lepiota* s. l., taxonomic literature, Czech Republic.

Zelený L. (2006): Taxonomická literatura o rodu *Lepiota* s. l. na území České republiky. – Czech Mycol. 58(3–4): 225–265.

Excerpcí české literatury byl sestaven seznam druhů rodu *Lepiota* s. l. uváděných z území České republiky, který obsahuje dohromady 165 jmen. Seznam byl vytvořen na základě taxonomických článků, ve kterých figurovalo rodové jméno *Lepiota* a je doplněn i o druhy zmiňované v některých mykofloristických člancích. Samostatnou kapitolou jsou druhy popsáné J. Velenovským.

INTRODUCTION

The genus *Lepiota* s. l. has not yet been fully studied in the Czech Republic (no summary paper has been published). Nevertheless, there are many articles and papers in scientific (not only mycological) journals and publications. The first to study the genus *Lepiota* s. l. on the territory of the present-day Czech Republic was V. J. Krombholz. In his publication (Krombholz 1836–1841) he described four new species (as *Agaricus*) of the genus *Lepiota* s. l. Three of them had been described earlier under different names, one of them remained. In 1891 Karl Schwalb described one new *Lepiota* species from the territory of the present-day Czech Republic. The most extensive work, *České houby* (1920–1922) by J. Velenovský, presents 47 species, 19 of them newly described (plus one variety). J. Velenovský described another 11 species and 4 varieties in *Novitates mycologicae* (Velenovský 1940), and one species in *Novitates mycologicae novissimae* (Velenovský 1947). Descriptions of two species were published in foreign literature (Sartory and Maire 1924). Most of Velenovský's species are synonyms of species already described. The identity of

some non-revised taxa should be checked using extant types. K. Kavina (1928, 1929) described three new varieties, but without type specimens. J. Kučera (1931) published one new species. J. Hruby (1935) described one new variety from the area of the former Czechoslovakia. Pilát's Klíč (Pilát 1952) is a compilation and therefore cannot be taken as a list of species growing in our territory. In this work he invalidly made one new combination. A. Pilát, together with the artist O. Ušák, described (invalidly) one new variety (Pilát and Ušák 1952). Later he described two new species, two varieties and one form. A significant contribution to the study of the genus *Lepiota* s. l. in the Czech Republic was made by J. Herink, who newly described the section *Denudati* (Herink 1959) of the present genus *Leucocoprinus* Pat. He also described two new forms (Herink 1962, Herink in Pilát 1952), and one variety (provisionally). Articles by E. Wichanský (1950s–1970s) published in the journals *Česká Mykologie* and *Mykologický Sborník* (see bibliography), in which he – among others – described (mostly invalidly) four new species and two varieties, are contributive to further studies.

According to the latest findings, the genus *Lepiota* s. str. is represented in Europe by 60 species – in case a narrow species concept is adopted (Candusso and Lanzoni 1990, Bon 1993); in case of a wide species concept there are about 40 species (Vellinga 2001). Candusso and Lanzoni (1990) use the division of the genus *Lepiota* s. str. into six sections (Vellinga 2001 as well), whereas Bon (1993) distinguishes more infrageneric taxa.

At present, there is no idea about the number of species of the genus *Lepiota* s. str. growing in the Czech Republic (and especially which ones). The number of the species was not published in almost any of the excerpted articles; if it was, then it included the entire genus *Lepiota* s. l. Most articles deal with descriptions of species that are new and interesting to science, however, a more extensive taxonomic study is missing.

Aims

The aim of the paper is a) to establish the number of species of the genus *Lepiota* s. str. published from the Czech Republic, b) to establish which species of the genus *Lepiota* s. str. are documented from the Czech Republic, c) to list the species formerly classified in the genus *Lepiota* s. l., d) to check the existence of type specimens of taxa described from the territory, e) to compile a list of species published in floristic papers.

METHODS

The author excerpted publications concerning the area of the present-day Czech Republic (i.e. including Moravia and Silesia).

The list is based on taxonomic articles (giving macro- and micro- descriptions, position in the system, differences from similar species, etc.), in which the generic name *Lepiota* appeared, although many taxa are already classified in other genera. Therefore, the list includes species belonging to the genera *Leucocoprinus* Pat., *Cystoderma* Fayod, *Chlorophyllum* Mass., *Limacella* Earle, *Melanophyllum* Velen., *Macrolepiota* Singer, *Leucoagaricus* (Locq.) ex Singer, *Cystolepiota* Singer, *Echinoderma* (Locq. ex Bon) Bon, *Pulverolepiota* Bon, *Sericeomyces* Heinemann, and *Cystodermella* Harmaja.

The compiled checklist follows the taxonomic concept of Italian and Dutch authors (Candusso and Lanzoni 1990, Vellinga 2001), in a few cases the concept by Bon is taken into account (Bon 1993). Mycofloristic articles (unless they include descriptions of macro- and micro-characters) and popular articles were not involved in the basic part of the paper. Abbreviations of the Czech journals are given according to the publication by Skalický and Holub (1979). Abbreviations of foreign periodicals are cited according to Lawrence et al. (1968).

List of excerpted literature

a) journals

a₁) mycological journals: *Mykologia*; Čes. Mykol. (recently Czech Mycol.); *Mykol. Listy*; Čas. Čs. Houb. (recently *Mykol. Sborn.*); *Mykol. Zprav.*

a₂) other journals: Čas. Morav. Mus.; Čas. Mus. Král. Čes.; *Naší Přír.*; *Natura Pragensis. Studie o přírodě Prahy*; *Ochr. Přír.*; *Opera Bot. Čech.*; *Pr. Morav. Přírod. Společ.*; *Preslia*; *Přírod. Pr. Úst. Čs. Akad. Věd Brno*; *Přírod. Sborn.*; *Sborn. Jihočes. Muzea České Budějovice – Přír. Vědy*; *Sborn. Klubu Přírod. Brno*; *Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy*; *Sborn. Pedag. Inst. Plzeň, Zeměpis a přírodopis*; *Sborn. Vlastiv. Pr. z Podblanicka*; *Sborn. Vys. Šk. Zeměd. Brno*; *Sborn. Západočes. Muz. Plzeň – Přír.*; *Věda a Život*; *Věda Přír.*; *Věstn. Klubu Přírod. Prostějov*; *Vlastivědný Věstník Moravský*; *Verh. Naturf. Ver. Brünn*; *Z. Mähr. Landesmus.*; *Zprav. Ochr. Přír. Okr. Praha-západ*; *Živa.*

b) books

Krombholz (1831–1846), Schwalb (1891), Velenovský (1920–1922); Velenovský (1940); Velenovský (1947); Pilát (1952); Pilát (1969); Pilát and Ušák (1952); Pilát and Ušák (1959); Veselý, Kotlaba and Pouzar (1972); Kotlaba et al. (1995), Antonín et. al. (2000); Papoušek (2004).

c) abstracts, book chapters, manuscripts, proceedings

Klán (1975); Klán (1986); Šebek (1986); Fellner (1988); Hlůza (1988); Kuthan (1991); Antonín, Vágner and Vampola (2000).

The checklist is compiled with respect to the modern classification of individual genera (Candusso and Lanzoni 1990, Vellinga 2001); in some cases M. Bon's (1993) approach is considered. The name of the taxon together with the complete taxonomic citation is given first; in most cases the basionym is cited (if found). The citations of the original descriptions were verified according to the original literature, the abbreviations of the publications were taken from Stafleu and Cowan (1976–1988) and Stafleu and Mennega (1992–1998). For species described from the Czech Republic, the author also included data on existence or non-existence

of the type (in Latin). These data are followed by citations of the Czech literature; the original names of the taxa are presented in square brackets (they include author's abbreviations which can be, and often are, quoted wrongly), as they appear in the article or publication. If there is no name of the taxon after the citation, then it corresponds with the previous one. In the case of larger publications and longer articles, the number of the page (or the table) where the taxon was mentioned first, is given in square brackets. Citations are ordered in chronological order, not alphabetical. Nor are the individual names in alphabetical order; their sequence is consistent with the modern literature (Candusso and Lanzoni 1990, Vellinga 2001). Opinions of contemporary mycologists dealing with the taxonomy of the genus *Lepiota* s. l. are presented in the note. Species without taxonomic problems do not have notes. Some taxa (especially varieties of species that are clear today) have been left in the final list on purpose; they have not yet been thoroughly taxonomically revised (e.g. *Lepiota clypeolaria* var. *crocea* Velen.).

RESULTS

LEPIOTA S. STR.

Section *Lepiota*

Lepiota clypeolaria (Bull.: Fr.) P. Kumm., Führ. Pilzk.: 137, 1871.

Basionym: *Agaricus clypeolarius* Bull., Herb. France 9: tab. 405, 1789.

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 213, as *Lepiota clypeolaria* Bull.].

Beneš R. (1930): Dvě bedly. – Čas. Čs. Houb. 10: 19–21.

Pilát A. and Ušák O. (1952): Naše houby. – 335 p. Praha [tab. 109, as *Lepiota clypeolaria* (Bull.) Qué].

Veselý R., Kotlaba F. and Pouzar Z. (1972): Přehled československých hub. – 421 p. Praha [p. 249, as *Lepiota clypeolaria* (Bull. ex Fr.) Kumm.].

Antonín V., Vágner A. and Vampola P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno [p. 67].

Papoušek T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice [p. 660].

Lepiota clypeolaria* var. *crocea Velen., Novitates mycol.: 51, 1940 (“1939”).

Type: no type specimen exists. Type locality: Bohemia, in nemoribus aestate passim.

Note: this variety has hitherto not been discussed in modern literature.

Lepiota clypeolaria* var. *ochraceo-sulfurescens Locq., Bull. Soc. Linn. Lyon 14: 56, 1945 (invalid name; without Latin diagnosis)

≡ *Lepiota ochraceosulfurescens* Locq. ex Bon

Wichanský E. (1965): Bedla vlnatá – odrůda okrovosírová. – Mykol. Sborn. 42(1–2): 13 [as *Lepiota clypeolaria* var. *ochraceo-sulfurescens* (Locq.) Kühn. et Romagn.].

Note: according to Candusso and Lanzoni (1990) and Bon (1993), *L. clypeolaria* var. *ochraceosulfurescens* Locq. is a synonym of *Lepiota ochraceosulfurescens* Locq. ex Bon. According to Vellinga (2001), *L. ochraceosulfurescens* Locq. ex Bon is a synonym of *Lepiota clypeolaria* (Bull.: Fr.) P. Kumm.

***Lepiota erminea* (Fr.: Fr.) P. Kumm., Führ. Pilzk.: 136, 1871.**

Basionym: *Agaricus ermineus* Fr., Syst. mycol. 1: 22, 1821.

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 213, as *Lepiota erminea* Fr.].

Wichanský E. (1964): Dvě vzácnější bedly. – Mykol. Sborn. 41(7–8): 100–101 [as *Lepiota erminea* (Fr.) Gill.].

Veselý R., Kotlaba F. and Pouzar Z. (1972): Přehled československých hub. – 421 p. Praha [p. 249].

Note: Candusso and Lanzoni (1990): as *L. erminea* (Fr.) Gillet; Bon (1993): as *L. erminea* (Fr.: Fr.) Gillet.

***Lepiota alba* (Bres.) Sacc., Syll. Fung. 5: 37, 1887.**

Basionym: *Lepiota clypeolaria* var. *alba* Bres., Fungi trident., ser. 1: 15, 1882.

Klán J. (1975): Mykoflóra Lounského středohoří. – Ms. [Dipl. práce; depon. in: Knih. kat. bot. Přír. fak. Karlovy Univerzity Praha]. 194 p. [p. 132].

Antonín V., Vágner A. and Vampola P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno [p. 66].

Papoušek T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice [p. 660].

Note: according to Vellinga (2001), *L. alba* (Bres.) Sacc. is a synonym of *Lepiota erminea* (Fr.: Fr.) P. Kumm.

***Lepiota oreadiformis* Velen., České houby, vol. 1: 215, 1920.**

Type: Bohemia, in colle parva arenosa occidentali insolata prope molam Halašii haud procul Mnichovice, 2. VIII. 1920, leg. J. Velenovský (PRC, bottle no. 224/a together with *Paxillus nigricans* Velen.; type status not checked).

Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohemica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 53].

Wichanský E. (1960): Několik zajímavějších druhů hub hřibovitých a bedlovitých z nálezů v letech 1958 a 1959. – Čes. Mykol. 14(1): 40–49.

Antonín V., Vágner A. and Vampola P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno [p. 67].

Svrček M. (2000): Nové a vzácné lupenaté houby (Agaricales) z jižních Čech VI. – Sborn. Jihočes. Muz. v Čes. Budějovicích – Přír. Vědy 40: 23–31 [p. 30].

Note: according to Vellinga (2001), *L. oreadiformis* Velen. is taken in a broad sense, including *Lepiota laevigata* and in the sense of Bon (1993) is identical with *L. oreadiformis* var. *laevigata* (J.E. Lange) Bon.

***Lepiota pratensis* (Fr.) Bigeard et Guillemin, Fl. Champ. sup. France: 58, 1909, non *Lepiota pratensis* Speg., 1898.**

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 213, as *Lepiota pratensis* Fr.].

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 51].

Note: according to Candusso and Lanzoni (1990), *L. pratensis* (Fr.) Rea is a synonym of *L. oreadiformis* Velen. Bon (1993): as *L. pratensis* (Bull.) Big. et Guill. Synonym of *L. oreadiformis* Velen.

Lepiota exannulata Velen., České houby, vol. 1: 215, 1920.

Type: no type specimen exists. Type locality: Bohemia, in collibus declivibusque siccis calidisque in gramine in societate *Helianthemii vulgaris*, *Koeleriae cristatae*, *Violae arenariae* prope Mnichovice aestate sat frequens. Haud raro etiam sub Laricibus.

Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohemica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 54].

Note: Candusso and Lanzoni (1990), Bon (1993) and Vellinga (2001): not included. According to Svrček (2000): *Lepiota exannulata* Velen. = *Lepiota oreadiformis* Velen.

Lepiota exannulata* var. *striata Velen., České houby, vol. 1: 215, 1920.

Type: No type specimen exists. Type locality: Bohemia, in declivibus calidis, siccis, occidentalibus sub *Robinia pseudacacia* supra viam Mnichovice-Stránčice, leg. J. Velenovský. – Prope Dobříš, leg. Firbas.

Note: this variety has hitherto not been discussed in modern literature.

Lepiota laevigata (J.E. Lange) J.E. Lange, Dansk Bot. Ark. 4(4): 47, 1923.

Basionym: *Lepiota gracilis* var. *laevigata* J.E. Lange, Dansk Bot. Ark. 2(3): 24, 1915.

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 51].

Ježek B. (1965): Několik hub z travnatých míst. – Mykol. Sborn. 42: 37–39.

Note: according to Candusso and Lanzoni (1990) and Vellinga (2001), *Lepiota laevigata* (J.E. Lange) J.E. Lange is a synonym of *Lepiota oreadiformis* Velen.

Lepiota cortinarius J.E. Lange, Dansk Bot. Ark. 2(3): 25, 1915.

Pravda V. and Tondl F. (1990): *Lepiota cortinarius* J.E. Lange v Československu. – Mykol. Listy no. 39: 8–11.

Note: according to Candusso and Lanzoni (1990), *L. cortinarius* sensu J.E. Lange represents *L. cortinarius* J.E. Lange var. *cortinarius*.

Lepiota subgracilis Kühner, Bull. Soc. Mycol. France 52: 231, 1936 (nom. nov. for *L. gracilis* J.E. Lange).

Svrček M. (1965): *Agaricales* from Bohemia I. – Čes. Mykol. 19(1): 43–51.

Lepiota ignivolvata Bousset et Joss. in Joss., Riv. Micol. 33(1): 30, 1990.

Entz J., Pelda Z. and Sedláček J. (1981): Příspěvek k poznání vzácnějších druhů hub z Liberecka I. – Mykol. Listy no. 4: 5–7.

Section *Ovisporae* (J.E. Lange) Kühner

Subsect. *Felininae* M. Bon

Lepiota felina (Pers.) P. Karst., Bidrag Kännedom Finlands Natur Folk 32: 10, 1879.

Basionym: *Agaricus felinus* Pers., Syn. meth. fung.: 261, 1801.

Tytál F. (1936): Bedla černošupinatá neboli kočičí (*Lepiota felina* Pers.). – Čas. Čs. Houb. 16: 140–141.

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 52–53, as *Lepiota felina* (Pers.)].

Wichanský E. (1960): Několik zajímavějších druhů hub hřibovitých a bedlovitých z nálezů v letech 1958 a 1959. – Čes. Mykol. 14(1): 40–49 [as *Lepiota felina* (Pers.) Fr.].

Svrček M. and Kubička J. (1964): Houby Žofinského pralesa v Novohradských horách. – Čes. Mykol. 18(3): 157–179 [as *Lepiota felina* (Pers. ex Fr.) Karst.].

Papoušek T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice [p. 662].

Lepiota pseudohelveola Kühner ex Hora, Trans. Br. Mycol. Soc. 43(2): 449, 1960.

Lepiota pseudohelveola Kühner, Bull. Soc. Mycol. France 52: 221–223, 1936 (invalid name, without Latin diagnosis).

Pilát A. (1955): Hymenomycetes novi vel minus cogniti Czechoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B), vol. 11, no. 2: 1–32 [p. 14–15, as *Lepiota pseudo-helveola* Kühner, with Latin diagnosis].

Wichanský E. (1967): Bedla klamavá – *Lepiota pseudohelveola* Kühn. ex Hora, 1960. – Mykol. Sborn. 44(9–10): 143.

Papoušek T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice [p. 662].

Note: according to Vellinga (2001), *L. pseudohelveola* Kühner ex Hora is identical with of *Lepiota pseudotilacea* Huijsman and *L. pseudohelveola* Kühner ex Hora var. *sabulosa* Bon in the sense of Bon (1993) is identical with the original *L. pseudohelveola* Kühner ex Hora.

Lepiota forquignonii Quél., C. R. Ass. Franç. Av. Sci. 13: 277, 1885 (in Champ. Jura Vosges 13, “1884”).

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 214, as *Lepiota fourquignoni* Quél.]

Lepiota echinella Quél. et G.F. Bernard, Bull. Soc. Mycol. France 4: 51, 1888 (as *Lepotia echinellus*).

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 52, as *Lepiota echinella* Quél.].

Lepiota locquinii Bon, Doc. Mycol. 16(61): 20, 1985.

Antonín V., Vágner A. and Vampola P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno [p. 67].

Lepiota rhodorhiza (Romagn. et Locq.) ex P.D. Orton, Trans. Br. Mycol. Soc. 43(2): 285, 1960.

Wichanský E. (1963): Bedla růžově kořínkatá v Čechách. – Mykol. Sborn. 40(9–10): 136. [as *Lepiota rhodorhiza* Romagn. – Locq.].

Antonín V., Vágner A. and Vampola P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno [p. 67].

Note: Bon (1993): as *Lepiota rhodorhiza* Romagn. et Locq. ex P.D. Orton. According to Vellinga (2001), *L. rhodorhiza* (Romagn. et Locq.) ex P.D. Orton is a synonym of *L. echinella* Quél. et G.F. Bernard.

Section *Ovisporae* (J.E. Lange) Kühner

Subsect. *Helveolinae* Bon et Boiffard

Lepiota brunneoincarnata Chod. et Mart., Bull. Soc. Bot. Genève 5: 222, 1889.

Wichanský E. (1964): Dvě vzácnější bedly. – Mykol. Sborn. 41(7–8): 100–101 [as *Lepiota brunneoincarnata* Chod. et Martin].

Hanuš L. (1964): Dvě jedovatější bedly. – Mykol. Sborn. 41(7–8): 108–110.

Papoušek T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice [p. 662].

***Lepiota helveola* Bres., Fung. trident., ser. 1: 15, 1881.**

Velenovský J. (1926): *Lepiota helveola* Bres. 1891. Bedla červenavá v Čechách. – Mykologia 3(9–10): 115–117.

Mareš V. (1927): *Lepiota helveola* Bres. 1891, Bedla červenavá. – Čas. Čs. Houb. 7(9–10): 130–133.

Hanuš L. (1964): Dvě jedovaté bedly. – Mykol. Sborn. 41(7–8): 108–110.

Klán J. (1975): Mykoflóra Lounského středohoří. – Ms. [Dipl. práce; depon. in: Knih. kat. bot. Přír. fak. Karlovy Univerzity Praha]. 194 p. [p. 134].

***Lepiota parvannulata* (Lasch: Fr.) Gillet, Hyménomycètes: 66, 1874.**

Basionym: *Agaricus parvannulatus* Lasch, Linnaea 3: 156, 1828.

Wichanský E. (1969): Zajímavější nálezy v r. 1969. – Mykol. Sborn. 46(7–10): 109–112 [as *Lepiota parvannulata* (Lasch) Gill.].

Note: Candusso and Lanzoni (1990): as *Lepiota parvannulata* (Lasch) Gillet.

Section *Stenosporae* (J.E. Lange) Kühner

***Lepiota castanea* Quél., C. R. Ass. Franç. Av. Sci. 9: 661, 1881 (in Champ. Jura Vosges 9, “1880”).**

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 211].

Pilát A. (1955): Hymenomycetes novi vel minus cognitii Czechoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B), vol. 11, no. 2: 1–32 [p. 3–5].

Wichanský E. (1961): Naše bedly. – Mykol. Sborn. 38(9–10): 131–133.

Antonín V., Vágner A. and Vampola P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno [p. 67].

Note: according to Vellinga (2001), *L. castanea* Quél. sensu Pilát (1955) is probably *Lepiota boudieri* Bres.

***Lepiota ignicolor* Bres., Fungi trident., ser. 2: 3, 1892.**

Kotlaba F. et al. (1995): Červená kniha ohrožených a vzácných druhů rostlín a živočichův SR a ČR. Vol. 4. (Red book of threatened and rare species of the Slovak and Czech Republics) – 221 p. Bratislava [p. 87].

Tondl F. (1997): Bedlička ohnivá (*Lepiota ignicolor*) – poznámky k ekologii a rozšíření. – Mykol. Listy no. 60: 1–5.

Papoušek T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice [no. 743].

Note: according to Vellinga (2001), *L. ignicolor* Bres. is a synonym of *L. castanea* Quél.

***Lepiota fulvella* Rea, Trans. Br. Mycol. Soc. 6(1): 61, 1918 (“1917”).**

Wichanský E. (1961): Naše bedly. – Mykol. Sborn. 38(9–10): 131–133.

Wichanský E. (1966): Dvě malé bedly. – Mykol. Sborn. 43(9–10): 140–141.

Antonín V., Vágner A. and Vampola P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno [p. 67].

Note: according to Vellinga (2001), *L. fulvella* Rea is a synonym of *L. boudieri* Bres. and *L. fulvella* Rea in the sense of Bon (1993) is identical with *Lepiota castanea* Quél.

***Lepiota tomentella* J.E. Lange, Dansk Bot. Ark. 4(4): 48, 1923.**

Wichanský E. (1961): Naše bedly. – Mykol. Sborn. 38(9–10): 131–133.

Note: according to Vellinga (2001), *L. tomentella* J.E. Lange in the sense of Candusso and Lanzoni (1990) is identical with *Lepiota pilodes* Vellinga and Huijser.

***Lepiota grangei* (Eyre) Kühner, Bull. Soc. Linn. Lyon 3(5): 79, 1934.**

Basionym: *Schulzeria grangei* Eyre in Smith et Rea, Trans. Br. Mycol. Soc. 2: 37, 1903.
 Herink J. (1962): Studie československých bedel (*Lepioteae* Fayod) II. – Čes. Mykol. 16(4): 219–236.
 Papoušek T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice [no. 744].
 Note: Bon (1993): as *L. grangei* (Eyre) J.E. Lange.

***Lepiota grangei* f. *brunneo-olivacea* Pilát, Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy, vol. 11, no. 2: 9, 1955.**

Type: Bohemia, Prague, ad terram in horto publico Kinského sady dicto, 16. IX. 1954, leg. E. Wichanský (PRM 189408 – another month is indicated on the herbarium label – 16. XI. 1954; holotype?).
 Pilát A. (1955): Hymenomycetes novi vel minus cogniti Čechoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B), vol. 11, no. 2: 1–32 [p. 9–12, as *Lepiota Grangei* Eyre f. *brunneo-olivacea* f. n.].
 Note: according to Candusso and Lanzoni (1990), *L. grangei* f. *brunneoolivacea* Pilát is identical with *L. grangei* (Eyre) Kühner. Bon (1993): not included. According to Vellinga (2001), *L. grangei* f. *brunneoolivacea* Pilát is a synonym of *L. griseovirens* Maire.

Section *Lilaceae* Bon

***Lepiota cristata* (Bolton: Fr.) P. Kumm., Führ. Pilzk.: 137, 1871.**

Basionym: *Agaricus cristatus* Bolton, Hist. fung. Halifax, vol. 1: 7, 1788.
 Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 210, as *Lepiota cristata* Bolt.].
 Kolařík F. (1927): Bedla hřebenatá (*Lepiota cristata* Bolt.). – Čas. Čs. Houb. 7(6–7): 90.
 Beneš R. (1930): Dvě bedly. – Čas. Čs. Houb. 10: 19–21.
 Wichanský E. (1961): Naše bedly. – Mykol. Sborn. 38(9–10): 131–133 [as *Lepiota cristata* (A. et S.) Quél.].
 Veselý R., Kotlaba F. and Pouzar Z. (1972): Přehled československých hub. – 421 p. Praha [p. 249, as *Lepiota cristata* (Alb. et Schw. ex Fr.) Kumm.].
 Kotlaba F. and Podskalský Z. (1984): Příspěvek k otázce jedlosti bedly hřebenité. – Mykol. Listy no. 13: 9–11.
 Antonín V., Vágner A. and Vampola P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno [p. 67].
 Papoušek T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice [p. 660].
 Note: according to Vellinga (2001), *L. cristata* var. *pallidior* Boud. ex Bon, *L. cristata* var. *exannulata* Bon and *L. subfelinoides* Bon et P.D. Orton in the sense of Bon (1993) are identical with *L. cristata* (Bolton: Fr.) P. Kumm.

***Lepiota cristata* f. *pseudoexcoriata* Hruby, Verh. Naturforsch. Ver. Brünn 66: 94, 1935.**

Type: Moravia, in pinetum prope Soběšice, XII. 1929, leg. J. Hruby (BRNM 07206/39; holotype).
 Hruby J. (1935): Beiträge zur Pilzflora Mährens und Schlesiens. (Fortsetzung 4) – Verh. Naturforsch. Ver. Brünn 66: 87–123 [p. 94, as *Lepiota cristata* f. *pseudexcoriata* Hruby].
 Note: this form has hitherto not been discussed in modern literature.

***Lepiota lilacea* Bres., Fungi trident., ser. 2: 3, 1892.**

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 211].

***Lepiota micropholis* (Berk. et Broome) Sacc., Syll. fung. 5: 61, 1887.**

Basionym: *Agaricus micropholis* Berk. et Broome, J. Linn. Soc. 11: 505, 1871.

Pilát A. (1955): Hymenomycetes novi vel minus cogniti Čechoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B), vol. 11, no. 2: 1–32 [p. 12].

Kunc K. (1963): Bedla droбноšupinatá. – Mykol. Sborn. 40(1–2): 3–4.

Wichanský E. (1969): Zajímavější nálezy v r. 1969. – Mykol. Sborn. 46(7–10): 109–112.

Note: Bon (1993): as *Lepiota micropholis* Berk. et Broome, Vellinga (2001): not included.

Lepiota micropholis* var. *felinoides Wichanský, Mykol. Sborn. 40: 135–136, 1963; invalid name: type specimen and herbarium not indicated.

Type: no type specimen exists. Type locality: Bohemia, Prague, in olla sub *Ficus*, 8. X. 1962, leg. M. Čermáková.

Wichanský E. (1963): Bedla droбноšupinatá a její odrůda: odr. černošupinatá. – Mykol. Sborn. 40(9–10): 135–136.

Note: this variety has hitherto not been discussed in modern literature.

Lepiota pyrochroa Malenç., Fl. champ. sup. Maroc 1: 137, 1970.

Antonín V. and Vágner A. (1997): New, rare and less known macromycetes in Moravia (Czech Republic) – IV. – Čas. Morav. Muz. Brno, Vědy Přír. 82: 29–38.

Section *Echinatae* Fayod

Lepiota aspera (Pers.: Fr.) Quél., Enchir. fung.: 5, 1886.

Basionym: *Agaricus asper* Pers. in Hoffmann, Abb. Schwämme 3: pl. 21, 1793.

Chmelíček J. (1965): Proč bedla ostrošupinatá nepatří k velkobedlám? – Mykol. Sborn. 42(9–10): 153.

Veselý R., Kotlaba F. and Pouzar Z. (1972): Přehled československých hub. – 421 p. Praha [p. 249].

Kupka J. (1974): Bedla ostrošupinná – *Lepiota aspera* (Pers. ex Fr.) Quél. – Mykol. Sborn. 51(5): 148.

Hanuš L. (1976): Bedla ostrošupinná. – Mykol. Sborn. 53(2–3): 54.

Hanuš L. (1980): Bedla ostrošupinná. – Mykol. Sborn. 57(2–3): 48.

Mann K. and Švéda J. (1985): Bedla ostrošupinná – *Lepiota aspera* (Pers. ex Fr.) Quél. – Mykol. Sborn. 62(4): 110–111.

Hanuš L. (1985): Bedla ostrošupinná – *Lepiota aspera* (Pers. ex Fr.) Quél. – Mykol. Sborn. 62(4): 111–112.

Smotlacha M. (1992): Bedla ostrošupinná – *Lepiota aspera* (Pers.) Bon. – Mykol. Sborn. 69(1): 17.

Antonín V., Vágner A. and Vampola P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno [p. 66].

Papoušek T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice [p. 658].

Note: Bon (1993): as *Echinoderma asperum* (Pers.: Fr.) Bon.

Lepiota acutesquamosa (Weinm.) P. Kumm., Führ. Pilzk.: 136, 1871.

Basionym: *Agaricus acutesquamosus* Weinm., Syll. Pl. Nov. Ratisb. 1: 70, 1822.

Spálený J. (1952): Dvě vzácné bedly ve Stromovce. – Mykol. Sborn. 29(7–8): 116 [as *Lepiota acutesquamosa* (Weinm.)].

Note: according to Candusso and Lanzoni (1990) and Vellinga (2001), *L. acutesquamosa* (Weinm.) P. Kumm. is a synonym of *L. aspera* (Pers.: Fr.) Quél. Bon (1993): as *Echinoderma acutesquamosum* (Weinm.) Bon.

Lepiota acutesquamosa* var. *furcata Kühner, Bull. Soc. Mycol. France 52: 210, 1936.

Wichanský E. (1960): Několik zajímavějších druhů hub hřibovitých a bedlovitých z nálezů v letech 1958 a 1959. – Čes. Mykol. 14(1): 40–49 [as *Lepiota acutesquamosa* (Weinm.) Gill. var. *furcata* Kühner].

Note: according to Candusso and Lanzoni (1990) and Vellinga (2001), *L. acutesquamosa* var. *furcata* Kühner is a synonym of *L. aspera* (Pers.: Fr.) Quél. According to Bon (1993), *L. acutesquamosa* var. *furcata* Kühner is a synonym of *Echinoderma asperum* (Pers.: Fr.) Bon.

***Lepiota acutesquamosa* f. *gigantea* Pilát, Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy 11 B(2): 3, 1955.**

Type: Bohemia, Nový Bydžov, leg. Eberle. (habitat and date of collection not indicated; PRM 189371; date of collection is only in the herbarium specimen – 28. X. 1954; holotype ?).

Pilát A. (1955): Hymenomycetes novi vel minus cogniti Českoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B), vol. 11, no. 2: 1–32 [p. 3, as *Lepiota acutesquamosa* Weinm. ex Fr. f. *gigantea* n. f.].

Note: according to Candusso and Lanzoni (1990) and Vellinga (2001), *L. acutesquamosa* f. *gigantea* Pilát is a synonym of *L. aspera* (Pers.: Fr.) Quél. According to Bon (1993), *L. acutesquamosa* f. *gigantea* Pilát is identical with *Echinoderma acutesquamosum* f. *giganteum* (Pilát) Bon.

***Lepiota friesii* (Lasch: Fr.) Quél., Mém. Soc. Émul. Montbéliard, sér. 2, 5: 72, 1872 (in Champ. Jura Vosges 1).**

Basionym: *Agaricus friesii* Lasch, Linnaea 3: 155, 1828.

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 211, as *Lepiota friesii* Lasch].

B. H. (1930): Bedla Friesova (*Lepiota Friesii* Lasch). – Čas. Čs. Houb. 10: 115–117 [as *Lepiota Friesii* Lasch].

Note: according to Candusso and Lanzoni (1990) and Vellinga (2001), *L. friesii* (Lasch: Fr.) Quél. is a synonym of *L. aspera* (Pers.: Fr.) Quél. Bon (1993): as *Echinoderma friesii* (Lasch: Fr.) Bon.

***Lepiota echinacea* J.E. Lange, Fl. agaric. danic., vol. 5: 5, 1940.**

Lepiota echinacea J.E. Lange, Fl. agaric. danic., vol. 1: 26, 1935 (not valid, without Latin diagnosis).

Pilát A. (1955): Hymenomycetes novi vel minus cogniti Českoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B), vol. 11, no. 2: 1–32 [p. 8].

Note: Bon (1993): as *Echinoderma echinaceum* (J.E. Lange) Bon.

***Lepiota eriophora* Peck, Bull. Torrey Bot. Club 30: 95, 1903.**

Wichanský E. (1968): Nálezy v r. 1968. – Mykol. Sborn. 45(7–10): 126–129.

Note: according to Herink (1962), *L. eriophora* Peck is a synonym of *L. hispida* (Lasch) Gillet. Bon (1993): as *Echinoderma eriophorum* (Peck) Bon

***Lepiota hispida* (Lasch) Gillet, Hyménomycètes: 60, 1874.**

Basionym: *Agaricus hispidus* Lasch, Linnaea 4: 518, 1829, non *Agaricus hispidus* Scop., 1772.

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 211, as *Lepiota hispida* Lasch].

Pilát A. (1930): Vzácnější bedlovité houby z okolí Plöckensteinského jezera na Šumavě. – Mykologia 7(1): 7–11.

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 53].

Herink J. (1962): Studie československých bedel (*Lepioteae* Fayod) II. – Čes. Mykol. 16(4): 219–236 [as *Lepiota hispida* (Lasch) Gillet sensu Patouillard].

Note: according to Bon (1993), *L. hispida* in the sense of some authors is a synonym of *Echinoderma calcicola* (Knud.) Bon.

Lepiota hispida* f. *ionobasis Herink, Čes. Mykol. 16: 227, 1962; invalid name: with Latin diagnosis, but date of collection not indicated.

Type: Bohemia, Praga-Bohnice et Praga-Stromovka, J. Herink (PRM 490979).

Herink J. (1962): Studie československých bedel (*Lepioteae* Fayod) II. – Čes. Mykol. 16(4): 219–236.

Note: this form has hitherto not been discussed in modern literature.

LEUCOAGARICUS (LOCQ.) EX SINGER

Lepiota badhamii (Berk. et Broome) Quél., Mém. Soc. Émul. Montbéliard, sér. 2, 5: 231, 1872 (in Champ. Jura Vosges 1).

Basionym: *Agaricus badhami* Berk. et Broome, Ann. Mag. Nat. Hist., Ser. 2, 13: 397, 1854. ?

Leucoagaricus badhamii (Berk. et Broome) Singer

Melzer V. (1959): Bedla Badhamova na Domažlicku. – Čes. Mykol. 13(2): 117–119.

Note: *Lepiota badhamii* is generally considered to be a *Leucoagaricus*.

Lepiota rufovelutina Velen., České houby, vol. 1: 217, 1920.

Type: Bohemia, Praga, ad verrimenta ad terram in silvulis in horto publico Stromovka, XI. 1918, leg. O. Zvěřinová (PRC, bottle no. 185/a together with *Pholiota mucosa*; type status not checked).

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

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 50].

Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohémica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 54].

Pilát A. (1953): Hymenomycetes novi vel minus cogniti Čechoslovakiae II. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Praga, Ser. B), vol. 9, no. 2: 1–109 [p. 12].

Wichanský E. (1960): Několik zajímavějších druhů hub hřibovitých a bedlovitých z nálezů v letech 1958 a 1959. – Čes. Mykol. 14(1): 40–49.

Note: according to Candusso and Lanzoni (1990), *L. rufovelutina* Velen. is a synonym of *Leucoagaricus badhamii* (Berk. et Broome) Singer var. *badhamii*. According to Bon (1993) and Vellinga (2001), *L. rufovelutina* Velen. is a synonym of *Leucoagaricus badhamii* (Berk. et Broome) Singer.

Lepiota rufovelutina Velen. sensu Pilát, Klíč k určování našich hub hřibovitých a bedlovitých: 424, f. 612–613, 1952 (“1951”).

= *Lepiota pilatiana* Demoulin, Lejeunia 39: 11, 1966.

= *Leucoagaricus pilatianus* (Demoulin) Bon et Boiffard

Pilát A. (1952): Klíč k určování našich hub hřibovitých a bedlovitých. – 722 p. Praha (“1951”).

Lepiota rufovelutina* var. *sanguinescens Pilát, Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy, vol. 11, no. 2: 16, 1955.

Type: Bohemia, ad terram in *Pineti* margine sub fruticetis frondosis prope Solopysky, haud procul Pragam, 10. X. 1954, leg. E. Wichanský (PRM; holotype).

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

Pilát A. (1955): Hymenomycetes novi vel minus cogniti Čechoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Praga, Ser. B), vol. 11, no. 2: 1–32 [p. 16].

Wichanský E. (1956): Druhý nález bedly hnědohedvábné odrůdy krvavější – *Lepiota rufovelutina* Velen. var. *sanguinescens* Pilát. – Čes. Mykol. 10(1): 30–31.

***Lepiota rufovelutina* var. *subrubens* Wichanský, Čes. Mykol. 14: 42, 1960.**

Type: Bohemia, Pragmae, ad verrimenta ad terram sub fruticetibus (*Sambucus nigra* et alii) atque sub *Fraxino excelsiori* in horto publico Kinského sady dicto, Oct. 1958, leg. E. Wichanský (PRM).

Wichanský E. (1960): Několik zajímavějších druhů hub hříbovitých a bedlovitých z nalezů v letech 1958 a 1959. – Čes. Mykol. 14(1): 40–49.

Note: according to Candusso and Lanzoni (1990), *L. rufovelutina* var. *subrubens* Wichanský is a synonym of *Leucoagaricus badhamii* (Berk. et Broome) Singer var. *erubescens* (Babos) Bon. According to Bon (1993), *L. rufovelutina* var. *subrubens* Wichanský is a synonym of *Leucoagaricus erubescens* (Babos) Bon.

***Lepiota bresadolae* Schulzer, Hedwigia 24: 132, 1885.**

Peroutka K. (1993): Bedla Bresadolova. – Mykol. Sborn. 70(4): 112–113 [as *Lepiota bresadolae* (Schulz.) Mos.].

Note: according to Candusso and Lanzoni (1990) and Bon (1993), *L. bresadolae* Schulzer is a synonym of *Leucoagaricus bresadolae* (Schulzer) Bon var. *bresadolae*. Vellinga (2001): as *Leucoagaricus americanus* (Peck) Vellinga.

***Lepiota leucothites* (Vittad.) P.D. Orton, Trans. Br. Mycol. Soc. 43(2): 177, 1960.**

Basionym: *Agaricus leucothites* Vittad., Descr. funghi mang. Italia: 310, 1835.

≡ *Leucoagaricus leucothites* (Vittad.) Wasser

Wichanský E. (1962): Bedla stydlivá. – Mykol. Sborn. 39(5–6): 66–67.

Veselý R., Kotlaba F. and Pouzar Z. (1972): Přehled československých hub. – 421 p. Praha [p. 248].

Smotlacha M. (1988): Bedla zardělá – *Lepiota leucothites* (Vitt.) P.D. Orton. – Mykol. Sborn. 65(1): 15–16.

Smotlacha M. (1992): Bedla zardělá – *Lepiota leucothites* (Vitt.) P.D. Orton. – Mykol. Sborn. 69(1): 143–144.

***Lepiota naucina* (Fr.) P. Kumm., Führ. Pilzk.: 136, 1871.**

Basionym: *Agaricus naucinus* Fr., Epicr. syst. mycol.: 16, 1838.

≡ *Leucoagaricus leucothites* (Vittad.) Wasser

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 209, as *Lepiota naucina* Fr.].

Kvíd J. (1951): Bedla mně neznámá. – Mykol. Sborn. 28(4–6): 70–71.

Wichanský E. (1959): Bedla jasná a bedla červenolupenná v Kinského sadech v Praze. – Čes. Mykol. 13(1): 57–60 [as *Lepiota naucina* (Fr.) Quél.].

***Lepiota olgae* Velen., České houby, vol. 1: 210, 1920.**

Type: Bohemia, in declivibus graminosis siccis Praga (Letná), X. 1918, leg. O. Zvěřinová (PRC, bottle no. 70/a together with *Psalliota xerophila* Velen., *Hygrophorus rubripes* Velen. and *Hygrophorus cinereus* Velen.; type status not checked).

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 48].

Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohemia edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 51].

Note: Candusso and Lanzoni (1990): as *Lepiota olgae* Velen. Bon (1993): as *Leucoagaricus olgae* (Velen.) Bon. According to Vellinga (2001), *L. olgae* Velen. is a synonym of *Leucoagaricus leucothites* (Vittad.) Wasser.

***Lepiota holosericea* (Fr.) Gillet, Hyménomycètes: 67, 1874.**

Basionym: *Agaricus holosericeus* Fr., Epicr. syst. mycol.: 16, 1838.

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

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 210].

Lepiota meleagris (Sowerby) Quél., Mém. Soc. Émul. Montbéliard, sér. 2, 5: 338, 1873 (in Champ. Jura Vosges 2).

Basionym: *Agaricus meleagris* Sowerby, Col. fig. Engl. fung.: pl. 171, 1799.

≡ ***Leucoagaricus meleagris*** (Sowerby) Singer

Cejp K. (1931): Dvě zajímavé bedly ze skleníků botanické zahrady. – Mykologia 8(4–5): 41–43 [as *Lepiota meleagris* (Sow.) Fr.].

Lepiota meleagris* var. *nigricans Velen., Novitates mycol.: 53, 1940 (“1939”).

Type: Bohemia, in piceto prope Slané, XI. 1926, leg. F. Fechtner (PRM 154199; but as *Lepiota nigricans* Velen.; holotype ?).

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 53, as *Lepiota meleagris* Son. var. *nigricans* Velen.].

Pilát A. (1948): Velenovský species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohémica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 56, as *Lepiota meleagris* Sow. var. *nigrescens* Velen.].

Note: this variety has hitherto not been discussed in modern literature.

Lepiota densesquamosa Velen., České houby, vol. 1: 206, 1920.

Type: Bohemia, in picetis prope Třeboň, V. 1920, leg. Weinzettl (PRC, bottle no. 335; type status not checked).

Pilát A. (1948): Velenovský species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohémica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 50].

Note: according to Candusso and Lanzoni (1990), *L. densesquamosa* Velen. is a synonym of *Macrolepiota puellaris* (Fr.) M.M. Moser. According to Vellinga (2001), *L. densesquamosa* Velen. is a synonym of *Leucoagaricus nympharum* (Kalchbr.) Bon.

Lepiota nympharum (Kalchbr.) Kalchbr., Fungi Sibiria America Austr.: 7, 1879.

Basionym: *Agaricus nympharum* Kalchbr., Icon. select. Hymenomyc. Hungar.: 10, pl. 2, fig. 2, 1873.

Velenovský J. (1940): Novitates mycologicae. – 211 p. (“1939”) [p. 47, as *Lepiota nympharum* Kalchbr.].

Note: according to Candusso and Lanzoni (1990), *Lepiota nympharum* Kalchbr. is a synonym of *Macrolepiota puellaris* (Fr.) M.M. Moser. According to Vellinga (2001), *L. nympharum* (Kalchbr.) Kalchbr. belongs to the genus *Leucoagaricus* as *Leucoagaricus nympharum* (Kalchbr.) Bon. Vellinga et al. (2003): *Macrolepiota nympharum* (Kalchbr.) Wasser is shown to belong to the *Leucoagaricus* lineage (based on ITS and LSU dates).

Lepiota serena (Fr.) Quél., Bull. Soc. Bot. France 26: 45, 1880.

Basionym: *Agaricus serenus* Fr., Hymenomyc. eur.: 38, 1874.

≡ ***Leucoagaricus serenus*** (Fr.) Bon et Boiffard

Wichanský E. (1959): Bedla jasná a bedla červenolupenná v Kinského sadech v Praze. – Čes. Mykol. 13(1): 57–60 [as *Lepiota serena* (Fr.) Quél. sensu Kühner].

Note: Bon (1993): as *Sericeomyces serenus* (Fr.) Heinemann. According to Vellinga (2000), *Sericeomyces serenus* (Fr.) Heinemann in the sense of Bon (1993) is identical with *Leucoagaricus crystallifer* Vellinga.

Lepiota sericata Kühner et Romagn., Fl. anal. champ. sup.: 405, 1953.

Pilát A. (1955): Hymenomycetes novi vel minus cogniti Čechoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B), vol. 11, no. 2: 1–32 [p. 19].

Note: according to Candusso and Lanzoni (1990), *L. sericata* Kühner et Romagn. is a synonym of *Leucoagaricus sericeus* (Cool) Bon et Boiffard. According to Bon (1993), *L. sericata* Kühner et Romagn. is a synonym of *Sericeomyces sericifer* (Locq.) Døssing. Vellinga (2001): as *Leucoagaricus sericifer* (Locq.) Vellinga.

Lepiota wichanskýi Pilát, Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy, vol. 9, no. 2: 4, 1953.

≡ *Leucoagaricus wichanskýi* (Pilát) Bon et Boiffard

Type: Bohemia, Pragae, in horto publico Kinského sady dicto ad terram humosam sub arboribus frondosis, 30. IX. 1952, leg. E. Wichanský (PRM 691713; holotype).

Wichanský E. (1960): Několik zajímavějších druhů hub hřibovitých a bedlovitých z nálezů v letech 1958 a 1959. – Čes. Mykol. 14(1): 40–49.

Babos M. (1970): Zajímavá a vzácná bedla *Lepiota Wichanskýi* Pilát v Maďarsku. – Čes. Mykol. 24(4): 217–219.

Antonín V. and Vágner A. (1999): New, rare and less known macromycetes in Moravia (Czech Republic) – VI. – Čas. Morav. Muz. Brno, Vědy Přír. 84: 223–233.

CYSTOLEPIOTA SINGER

Lepiota hetieri Boud., Bull. Soc. Mycol. France 18: 137, 1902.

≡ *Cystolepiota hetieri* (Boud.) Singer

Wichanský E. (1960): Jsou bedly *Lepiota Hetieri* Boudier – bedla Hetierova a *Lepiota rufescens* (B. et Br.) sensu Lange – bedla narezavělá, totožné? – Mykol. Sborn. 37(8–10): 116–121.

Herink J. (1961): Studie československých bedel (*Lepioteae* Fayod) I. – Čes. Mykol. 15(4): 217–234.

Note: Herink (1961) refers about *Lepiota hetieri* var. *semiglobata* Herink. The name was not validly published. It is only a provisional herbarium name.

Lepiota hetieri* f. *gracilis Herink in Pilát, Klíč k určování našich hub hřibovitých a bedlovitých: 658, f. 584, 1952 (“1951”); invalid name: without Latin diagnosis and indication of a type collection.

Type: no type specimen exists. Type locality: Bohemia, Pragae, in horto publico Stromovka, X. 1935, leg. J. Herink.

Pilát A. (1952): Klíč k určování našich hub hřibovitých a bedlovitých. – 722 p. Praha (“1951”).

Note: this form has hitherto not been discussed in modern literature.

Lepiota huysmani Wichanský, Mykol. Sborn. 37(8–10): 121, 1960; invalid name: with Latin diagnosis, but without indication of a type collection.

Type: no type specimen exists. Type locality: In tepidariis (other data were not indicated).

Wichanský E. (1960): Jsou bedly *Lepiota Hetieri* Boudier – bedla Hetierova a *Lepiota rufescens* (B. et Br.) sensu Lange – bedla narezavělá, totožné? – Mykol. Sborn. 37(8–10): 116–121.

Note: according to Vellinga (1998), *L. huysmani* Wichanský is a synonym of *Cystolepiota cystidiosa* (A.H. Smith) Bon.

Lepiota seminuda (Lasch) P. Kumm., Führ. Pilzk.: 136, 1871.

Basionym: *Agaricus seminudus* Lasch, Linnaea 3: 157, 1828.

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 214, as *Lepiota seminuda* Lasch].

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 52].

Note: according to Candusso and Lanzoni (1990), *L. seminuda* (Lasch) P. Kumm. is a synonym of *Cystolepiota sistrata* (Fr.: Fr.) Singer ex Bon et Bellù. Bon (1993): as *Cystolepiota seminuda* (Lasch: Fr.) Bon. According to Vellinga (2001), *L. seminuda* (Lasch) P. Kumm. belongs to the genus *Cystolepiota*.

Lepiota sistrata (Fr.) Quél., Mém. Soc. Émul. Montbéliard, sér. 2, 5: 231, 1872 (in Champ. Jura Vosges 1).

Basionym: *Agaricus sistratus* Fr., Syst. mycol. 1: 24, 1821.

≡ *Cystolepiota sistrata* (Fr.: Fr.) Singer ex Bon et Bellù (nomen dubium).

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 52, as *Lepiota sistrata* Fr.].

Lepiota sistrata (Fr.) Quél. sensu Herink, Čes. Mykol. 15(4): 217, 1961.

Herink J. (1961): Studie československých bedel (*Lepioteae* Fayod) I. – Čes. Mykol. 15(4): 217–234.

Note: according to Candusso and Lanzoni (1990), *L. sistrata* (Fr.) Quél. sensu Herink is a synonym of *Leucoagaricus pulverulentus* (Huijsman) Bon; according to Vellinga (2001), *L. sistrata* (Fr.) Quél. sensu Herink (1961) is a synonym of *Cystolepiota pulverulenta* (Huijsman) Vellinga.

Lepiota bucknallii (Berk. et Broome) Sacc., Syll. fung. 5: 50, 1887.

Basionym: *Agaricus bucknallii* Berk. et Broome, Ann. Mag. Nat. Hist., Ser. 5, 7: 124, 1881. (as *Agaricus bucknalli*)

≡ *Cystolepiota bucknallii* (Berk. et Broome) Singer et Cléménçon

Wichanský E. (1967): Dvě bedly. – Mykol. Sborn. 44(5–8): 85–86 [as *Lepiota bucknallii* B. et Br.].

MACROLEPIOTA SINGER

Lepiota procera (Scop.: Fr.) P. Kumm., Führ. Pilzk.: 135, 1871.

Basionym: *Agaricus procerus* Scop., Fl. carniol., ed. 2, vol. 2: 418, 1772.

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

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 204, as *Lepiota procera* Scop.].

Viniklár L. (1924): Bedly (*Lepiota* Fr.). – Mykologia 1: 5–7.

Veselý R. (1937): O bedlách. – Naší Přír. 1: 508.

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 46, as *Lepiota procera* Fr.].

Pilát A. and Ušák O. (1952): Naše houby. – 335 p. Praha [tab. 112, as *Lepiota procera* (Scop.) Quél.].

Hanuš L. (1959): Bedla vysoká (*Lepiota procera* Scop.). – Čas. Čs. Houb. 36(5–6): 71–72 [as *Lepiota procera* Scop.].

Smotlacha F. (1961): Bedla vysoká čili obecná, lidově “jedlá” nebo “bedle” – *Lepiota procera* (Scop. ex Fr.) Quél. – Mykol. Sborn. 38(3–4): 55–56 [as *Lepiota procera* (Scop. ex Fr.) Quél.].

Veselý R., Kotlaba F. and Pouzar Z. (1972): Přehled československých hub. – 421 p. Praha [p. 247, as *Lepiota procera* (Scop. ex Fr.) Kumm.].

Lepiota procera* var. *umbrosa Kavina, Věda Přír. 10: 85, 1929.

Type: no type specimen exists. Type locality: Bohemia, in locis humidis silvarum frondosarum imprimis sub fagis, carpinis, quercubus, 11. IX. 1927 (apud Nezabudice et Rybárna). – Aug. et Sept. 1928 (Loučeň), leg. K. Kavina.

Kavina K. (1929): Fragmenta mycologica. – Věda Přír. 10: 85–86 [as *Lepiota procera* Scop. var. *umbrosa* Kavina].

Note: this variety has hitherto not been discussed in modern literature.

Lepiota affinis Velen., České houby, vol. 1: 208, 1920.

≡ *Macrolepiota affinis* (Velen.) Bon

Type: no type specimen exists. Type locality: Bohemia, in collibus siccis prope Řevnice, Aug. 1915, leg. K. Kavina.

Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere "České houby", annis 1920–22 in lingua bohémica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 50].

Lepiota mastoidea (Fr.: Fr.) P. Kumm., Führ. Pilzk.: 135, 1871.

Basionym: *Agaricus mastoideus* Fr., Syst. mycol. 1: 20, 1821.

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

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 209, as *Lepiota mastoidea* Fr.].

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha ("1939") [p. 48].

Veselý R., Kotlaba F. and Pouzar Z. (1972): Přehled československých hub. – 421 p. Praha [p. 247, as *Lepiota mastoidea* (Fr.) Kumm.].

Lepiota mastoidea* var. *pobudae Kavina, Věda Přír. 9: 54, 1928.

Type: No type specimen exists. Type locality: Bohemia, in picetum prope Strašice, 4. IX. 1922, leg. K. Kavina.

Kavina K. (1928): Fragmenta mycologica. – Věda Přír. 9: 54–56 [as *Lepiota mastoidea* Fr. var. *Pobudae* Kavina].

Note: this variety is hitherto not discussed in modern literature.

Lepiota rickenii Velen., Novitates mycol.: 47, 1940 ("1939").

Type: No type specimen exists. Type locality: Bohemia, in nemore frondoso prope Mnichovice, IX. 1937, leg. J. Velenovský.

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

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha ("1939") [p. 47].

Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere "České houby", annis 1920–22 in lingua bohémica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 56].

Note: according to Vellinga (2001), *L. rickenii* Velen. is a synonym of *Macrolepiota mastoidea* (Fr.: Fr.) Singer.

Lepiota gracilentia (Krombh.) Quél., Mém. Soc. Émul. Montbéliard, sér. 2, 5: 71, 1872 (in Champ. Jura Vosges 1).

Basionym: *Agaricus gracilentus* Krombh., Nat. Abb. Beschr. 4: 8, pl. 24, figs. 13–14, 1836.

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 207, as *Lepiota gracilentia* Krombh.].

Beneš R. (1930): *Lepiota gracilentia* Krombh., bedla něžná. – Mykologia 7(9–10): 126–127.

Note: according to Candusso and Lanzoni (1990), *L. gracilentia* (Krombh.) Quél. ss. Ricken is a synonym of *Macrolepiota rickenii* (Velen.) Bellù et Lanzoni. According to Bon (1993), *L. gracilentia* (Krombh.) Wass. s. auct. non Krombh. is a synonym of *Macrolepiota rickenii* (Velen.) Bellù et Lanzoni. According to Vellinga (2001), *L. gracilentia* (Krombh.) Quél. is a synonym of *Macrolepiota mastoidea* (Fr.: Fr.) Singer.

Lepiota prominens (Fr.) Sacc., Syll. fung. 5: 30, 1887.

Basionym: *Agaricus prominens* Fr., Hymenomyc. eur.: 30, 1874.

≡ *Macrolepiota prominens* (Fr.) M.M. Moser

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 205, as *Lepiota prominens* Fr.].

- Viniklár L. (1924): Bedly (*Lepiota* Fr.). – Mykologia I: 5–7.
- Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 46, as *Lepiota procera* Fr. var. *prominens* Fr.].
- Šmarda F. (1948): *Lepiota prominens* Viv. – bedla vyniklá, staronový druh naší mykologické literatury. – Čes. Mykol. 2(1): 29–31 [as *Lepiota prominens* Viv.].
- Pilát A. and Ušák O. (1959): Naše houby II. Kritické druhy našich hub. – 345 p. Praha [tab. 145, as *Lepiota prominens* (Viv.) Barla].
- Note: Bon (1993): as *Macrolepiota prominens* (Viviani) M.M. Moser.

Lepiota excoriata (Schaeff.: Fr.) P. Kumm., Führ. Pilzk.: 135, 1871.

Basionym: *Agaricus excoriatus* Schaeff., Fung. Bavariae: pl. 18, 19, 1774.

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

- Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 208, as *Lepiota excoriata* Schaeff.].
- Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 48].
- Pilát A. and Ušák O. (1959): Naše houby II. Kritické druhy našich hub. – 345 p. Praha [tab. 146, as *Lepiota excoriata* (Schaeff. ex Fr.) Kumm.].
- Hanuš L. (1963): Bedla odřená (hávnatá) – *Macrolepiota (Lepiota) excoriata* Schf. (Fr.). – Mykol. Sborn. 40(9–10): 140 [as *Lepiota excoriata* Schf. (Fr.)].
- Veselý R., Kotlaba F. and Pouzar Z. (1972): Přehled československých hub. – 421 p. Praha [p. 248, as *Lepiota excoriata* (Schaeff. ex Fr.) Kumm.].
- Kláš J. (1975): Mykoflóra Lounského středohoří. – Ms. [Dipl. práce; depon. in: Knih. kat. bot. Přír. fak. Karlovy Univerzity Praha]. 194 p. [p. 134, as *Lepiota excoriata* Schaeff ex Fr.].
- Note: according to Velenovský (1940), *L. excoriata* Schaeff. is identical with *Lepiota affinis* Velen. According to Candusso and Lanzoni (1990) and Bon (1993), *L. excoriata* (Schaeff.: Fr.) P. Kumm. is *Macrolepiota excoriata* (Schaeff.: Fr.) Wasser var. *excoriata*.

Lepiota pseudocristata Velen., České houby, vol. 1: 208, 1920.

- Type: Bohemia, in declivibus graminosis, calidis, siccis prope Mnichovice, VII. et VIII., leg. J. Velenovský (date from herbarium PRM – Hrusice, VIII. 1918, leg. J. Velenovský, PRM 691616; holotype? authentic material ?).
- Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohemica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 51].
- Note: according to Pilát and Ušák (1959), *L. pseudocristata* Velen. is a synonym of *Lepiota excoriata* (Schaeff. ex Fr.) P. Kumm.

Lepiota rubescens Velen., České houby, vol. 1: 207, 1920.

- Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 46, as *Lepiota procera* Fr. var. *rubescens* Velen.].
- Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohemica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 50, as *Lepiota rubescens* Velen.].
- Note: according to Candusso and Lanzoni (1990), *L. rubescens* Velen. is a synonym of *Macrolepiota excoriata* (Schaeff.: Fr.) Wasser var. *rubescens* (Dufour) Bon.

Lepiota konradii Huijsman ex P.D. Orton, Trans. Br. Mycol. Soc. 43(2): 283, 1960.

≡ ***Macrolepiota konradii*** (Huijsman ex P.D. Orton) M.M. Moser

- Wichanský E. (1962): Bedla Konradova – *Lepiota konradii* P.D. Orton v Čechách. – Mykol. Sborn. 39(5–6): 65–66.
- Note: according to Vellinga (2001), *L. konradii* Huijsman ex P.D. Orton is a synonym of *Macrolepiota mastoidea* (Fr.: Fr.) Singer.

***Lepiota rachodes* var. *puellaris* (Fr.) Sacc., Syll. fung. 5: 29, 1887, “*rachodes*”.**

Basionym: *Agaricus rachodes* var. *puellaris* Fr., Monogr. hymenomyc. Suec., Vol. 2: 285, 1863.
 Pilát A. (1954): Naše dvě veliké šupinaté bedly. – *Živa* 2(3): 93 [as *Lepiota rachodes* var. *puellaris* Fr.].
 Wichanský E. (1964): Bedla dívčí – *Lepiota rachodes* Fr. ex Vitt. var. *puellaris* Fr. – Mykol. Sborn. 41(1–2): 9–10.

Note: according to Candusso and Lanzoni (1990), *L. rachodes* var. *puellaris* (Fr.) Sacc. is a synonym of *Macrolepiota puellaris* (Fr.) M.M. Moser. Bon (1993): as *Macrolepiota puellaris* (Fr.) M.M. Moser. According to Vellinga (2001), *L. rachodes* var. *puellaris* (Fr.) Sacc. is a synonym of *Leucoagaricus nymphaeum* (Kalchbr.) Bon.

CHLOROPHYLLUM MASSEE

***Lepiota rachodes* (Vittad.) Quél., Mém. Soc. Émul. Montbéliard, sér. 2, 5: 70, 1872 (in Champ. Jura Vosges 1), “*rhacodes*”.**

Basionym: *Agaricus rachodes* Vittad., Descr. funghi mang. Italia: 158, 1835, “*rhachodes*”.

≡ *Macrolepiota rachodes* (Vittad.) Singer

≡ *Chlorophyllum rachodes* (Vittad.) Vellinga

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 205, as *Lepiota rachodes* Vittad.].

Viniklár L. (1924): Bedly (*Lepiota* Fr.). – Mykologia 1: 5–7.

Veselý R. (1937): O bedlách. – Naší Přír. 1: 508.

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 48].

Pilát A. and Ušák O. (1952): Naše houby. – 335 p. Praha [tab. 110].

Pilát A. (1954): Naše dvě veliké šupinaté bedly. – *Živa* 2(3): 93 [as *Lepiota rachodes* (Vitt. ex Fr.) Quél.].

Smotlacha F. (1962): Bedla třepivá, červenající čili odřená. – Čas. Čs. Houb. 39(5–6): 68–69 [as *Lepiota rachodes* (Vitt.) Quél.].

Veselý R., Kotlaba F. and Pouzar Z. (1972): Přehled československých hub. – 421 p. Praha [p. 248].

Note: according to Candusso and Lanzoni (1990), *L. rachodes* (Vittad.) Quél. is *Macrolepiota rachodes* (Vittad.) Singer var. *rachodes*. According to Vellinga (2003), *Macrolepiota rachodes* (Vittad.) Singer is *Chlorophyllum rachodes* (Vittad.) Vellinga.

***Lepiota rachodes* var. *hortensis* Pilát, Naše houby: tab. 111, 1952, “*rhacodes*”; invalid name: without Latin description.**

Type: Bohemia, Pragae, in horto publico Stromovka, ad stercus (probably PRM 704732; date from herbarium specimen – Praha-Stromovka, 5. X. 1944, leg. A. Pilát; Pilát did not designate a type collection for his taxon).

Pilát A. and Ušák O. (1952): Naše houby. – 335 p. Praha [tab. 111].

Pilát A. (1954): Naše dvě veliké šupinaté bedly. – *Živa* 2(3): 93 [as *L. rachodes* (Vitt. ex Fr.) Quél. var. *hortensis* Pilát].

Hanuš L. (1967): Bedla červenající v zahradě. – Čas. Čs. Houb. 44(5–8): 92 [as *Lepiota rachodes* (Vitt.) Sing. – Quél. var. *hortensis* Pilát].

Note: according to Wichanský (1972), *L. rachodes* var. *hortensis* Pilát is identical with *Lepiota bohémica* Wichanský. According to Candusso and Lanzoni (1990) and Bon (1993), *L. rachodes* var. *hortensis* Pilát is a synonym of *Macrolepiota rachodes* (Vittad.) Singer var. *bohémica* (Wichanský) Bellù et Lanzoni. According to Vellinga (1998 and 2003), *Lepiota rachodes* var. *hortensis* sensu Pilát and Ušák (1952) is misapplied (another illustration of *Lepiota rachodes* var. *hortensis* is given). This taxon was published two times (Pilát 1952, Pilát and Ušák 1952) but without Latin diagnosis. According to Vellinga (2003), *L. rachodes* var. *hortensis* is *Chlorophyllum rachodes* (Vittad.) Vellinga.

Lepiota bohémica Wichanský, Mykol. Sborn. 38: 103, 1961; invalid name: a range of dates for type; Mykol. Sborn. 39:12, 1962 (addition of Latin diagnosis).

Type: Bohemia, Pragae, ad terram nudam humosam, in vicinitate arborum frondosarum, *Pini nigrae* et fruticum in horto publico Kinského sady dicto, 27. XI. – 12. XII. 1960 et V. 1961, leg. E. Wichanský, PRM.

Wichanský E. (1961): Bedla česká – *Lepiota bohémica* Wich. sp. n. – Mykol. Sborn. 38(7–8): 102–103.

Wichanský E. (1962): Bedla česká – *Lepiota (Macrolepiota) bohémica* Wich. sp. n. – Mykol. Sborn. 39(1–2): 12–13.

Wichanský E. (1972): Poznámky k bedle červenající odr. zahradní (*Lepiota rachodes* var. *hortensis* Pilát). – Mykol. Sborn. 49(3–6): 43.

Note: according to Candusso and Lanzoni (1990) and Bon (1993), *L. bohémica* Wichanský is a synonym of *Macrolepiota rachodes* (Vittad.) Singer var. *bohémica* (Wichanský) Bellù et Lanzoni (invalid combination). According to Vellinga (2003), *L. bohémica* Wichanský is a synonym of *Chlorophyllum rachodes* (Vittad.) Vellinga.

LEUCOCOPRINUS PAT.

Lepiota cepaestipes (Sowerby: Fr.) P. Kumm., Führ. Pilzk.: 136, 1871.

Basionym: *Agaricus cepaestipes* Sowerby, Col. fig. Engl. fung.: pl. 2, 1797.

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 210, as *Lepiota cepaestipes* Sow.].

Veselý R. (1923): Bedla cibulková (*Lepiota cepaestipes* Sow.) – Čas. Čs. Houb. 3(9–10): 110–111.

Viniklár L. (1924): Bedly (*Lepiota* Fr.). – Mykologia 1: 5–7.

Sezima J. (1951): Houbička, která způsobila planý poplach. – Mykol. Sborn. 28(1–3): 21 [as *Lepiota caepestipes* – *Leucocoprinus* Pat.].

Wichanský E. (1968): Někteří zajímavější nálezy z roku 1967. – Čas. Čs. Houb. 45(1–2): 14–18 [as *Leucocoprinus (Lepiota) cepaestipes* (Sow. ex Fr.) Pat.].

Note: according to Herink (1959), *L. cepaestipes* Sowerby is identical with *Leucocoprinus denudatus* (Rabenh.) Singer. According to Candusso and Lanzoni (1990), *L. cepaestipes* (Sowerby: Fr.) P. Kumm. is a synonym of *Leucocoprinus cepistipes* (Sowerby: Fr.) Pat. var. *cepistipes*. According to Bon (1993) and Vellinga (2001), *L. cepaestipes* belongs to the genus *Leucocoprinus*.

Lepiota cepaestipes var. ***cretacea*** Greville, Scottish Crypt. Flora: tab. 333, 1828.

Cejp K. (1931): Dvě zajímavé bedly ze skleníků botanické zahrady. – Mykologia 8(4–5): 41–43 [as *Lepiota cepaestipes* (Sowerby) Fr. var. *cretacea* Bull.].

Note: according to Candusso and Lanzoni (1990), *L. cepaestipes* var. *cretacea* Greville is a synonym of *Leucocoprinus brebissonii* (Godey in Gillet) Locq.

Lepiota denudata (Rabenh.) Sacc., Syll. fung. 5: 52, 1887.

Basionym: *Agaricus denudatus* Rabenh., Hedwigia 6(3): 45, 1867.

≡ *Leucocoprinus denudatus* (Rabenh.) Singer

Velenovský J. (1929): *Lepiota denudata* Rabenh. Bedla sírožlutá. – Mykologia 6(9–10): 99.

Herink J. (1959): Bělohnojník sírožlutý. *Leucocoprinus denudatus* (Rabenh.) Singer. – Čes. Mykol. 13(2): 108–116.

Note: Bon (1993) as: *Leucocoprinus denudatus* (Sacc.) Locq. According to Vellinga (2001), *L. denudata* (Rabenh.) Sacc. is a synonym of *Leucocoprinus stramineus* (Bagl.) Narducci et Caroti.

***Lepiota heterospora* (Locq.) Pilát**, Klíč k určování našich hub hřibovitých a bedlovitých: 417, 1952 ("1951"); invalid publication: without Latin diagnosis and indication of a type collection.

Basionym: *Lepiotohyllum heterosporum* Locq., Bull. Soc. Linn. Lyon, 11: 42, 1942. (invalid name, without Latin diagnosis).

Pilát A. (1952): Klíč k určování našich hub hřibovitých a bedlovitých. – 722 p. Praha ("1951") [p. 417].

Note: *Lepiota heterospora* (Locq.) Pilát was published invalidly; the correct name is *Leucocoprinus heterosporus* (Locq.) Locq.

***Lepiota lutea* (Bolton) Godfrin**, Bull. Soc. Mycol. France 13: 33, 1897.

Basionym: *Agaricus luteus* Bolton, Hist. fung. Halifax, vol. 2: pl. 50, 1788.

Cejp K. (1948): Dva tropičtí zástupci bělohnojníků v našich sklenících. – Čes. Mykol. 2(3): 78–83 [as *Leucocoprinus flos sulphuris* (Schnitz.) Cejp].

Hlaváček J. and Hlaváčková Z. (1955): *Leucocoprinus luteus* (With.) Pat. a jeho měnlivost v podmínkách umělého pěstování. – Čes. Mykol. 9(2): 125–131 [as *Leucocoprinus luteus* (With.) Pat.].

Pilát A. (1972): Skleníková bedla: bedla žlutá – *Lepiota lutea* (Sow. ex Secr.) Godfrin. – Živa 20(1): 20.

Note: according to Candusso and Lanzoni (1990) and Vellinga (2001), *L. lutea* (Bolton) Godfrin is a synonym of *Leucocoprinus birnbaumii* (Corda) Singer.

MELANOPHYLLUM VELEN.

***Lepiota eyrei* (Mass.) J.E. Lange**, Fl. agaric. danic. 1: 36, 1935.

Basionym: *Schulzeria eyrei* Mass., Grevillea 22: 38–39, 1894.

≡ *Melanophyllum eyrei* (Mass.) Singer

Svrček M. (1949): Bedla Eyreova, *Lepiota Eyrei* (Masse) Lange, v Čechách. – Čes. Mykol. 3(8–10): 104–106.

Pouzar Z. (1950): Další nález bedly Eyreovy – *Lepiota Eyrei* (Masse) Lange v Čechách. – Čes. Mykol. 4(8–10): 158.

SERICEOMYCES HEINEMANN

***Lepiota cygneoaffinis* Pilát**, Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy, vol. 11, no. 2: 5, 1955.

Type: Bohemia, Pragae, in fruticetis ad terram in horto publico Kinského sady dicto, solo calcifero, 12. IX. 1954, leg. E. Wichanský (PRM 691342; holotype).

≡ *Sericomyces cygneoaffinis* (Pilát) Heinemann

Pilát A. (1955): Hymenomyces novi vel minus cogniti Čechoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B), vol. 11, no. 2: 1–32 [p. 5].

Wichanský E. (1966): Dvě malé bedly. – Mykol. Sborn. 43(9–10): 140–141.

***Lepiota medullata* (Fr.) Quél.**, Mém. Soc. Émul. Montbéliard, sér. 2, 5: 74, 1872 (in Champ. Jura Vosges 1).

Basionym: *Agaricus medullatus* Fr., Epicr. syst. mycol.: 19, 1836.

≡ *Sericomyces medullatus* (Fr.) Bon

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 202].

Vodák V. (1925): *Lepiota medullata* Fr. – bedla dřevňová. – Čas. Čs. Houb. 5(8): 92.

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha ("1939") [p. 54].

CYSTODERMA FAYOD

Lepiota amianthina (Scop.) P. Karst., Bidrag Kännedom Finlands Natur Folk 32: 15, 1879.

Basionym: *Agaricus amianthinus* Scop., Fl. carniol., ed. 2, vol. 2: 434, 1772.

≡ *Cystoderma amianthinum* (Scop.) Maubl.

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 216, as *Lepiota amianthina* Scop.].

Viníklář L. (1924): Bedly (*Lepiota* Fr.). – Mykologia 1: 5–7.

Lepiota amianthina var. *evae* Kavina, Věda Přír. 10: 198, 1929.

Type: no type specimen exists. Type locality: Bohemia, Silva Gabreta, in picetis montaneis, leg. K. Kavina.

Kavina K. (1929): Fragmenta mycologica. – Věda Přír. 10: 197–200 [as *Lepiota amianthina* (Scop.) Fr. var. *Evae* Kavina].

Note: this variety has hitherto not been discussed in modern literature.

Lepiota amianthina Scop. var. *foetidissima* Velen., Novitates mycol.: 54, 1940 (“1939”).

Type: no type specimen exists. Type locality: Bohemia, in callunetis declivium calid. prope Mnichovice, leg. J. Velenovský.

Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohémica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 55].

Note: this variety has hitherto not been discussed in modern literature.

Lepiota carcharias (Pers.) P. Karst., Bidrag Kännedom Finlands Natur Folk 32: 14, 1879.

Basionym: *Agaricus carcharias* Pers., Tent. disp. meth. fung.: 18, 1797.

≡ *Cystoderma carcharias* (Pers.) Maubl.

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 216, as *Lepiota carcharias* Pers.].

Viníklář L. (1924): Bedly (*Lepiota* Fr.). – Mykologia 1: 5–7.

Lepiota haematites (Berk. et Broome) Ricken, Die Blätterpilze: 328, 1915.

Basionym: *Agaricus haematites* Berk. et Broome, Ann. Mag. Nat. Hist., Ser. 5, 1: 18, 1878 (as *Agaricus (Armillaria) haematites*).

= *Cystoderma superbum* Huijsman

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 216, as *Lepiota haematites* Bk. (Ricken), (Bres.)].

Viníklář L. (1924): Bedly (*Lepiota* Fr.). – Mykologia 1: 5–7 [as *Lepiota haematites* Bk.].

Beneš R. (1930): *Lepiota haematites* Bk., bedla naběhlá. – Čas. Čs. Houb. 10: 98–99.

CYSTODERMELLA HARMAJA

Lepiota cinnabarina (Alb. et Schw.: Fr.) P. Karst., Bidrag Kännedom Finlands Natur Folk 32: 14, 1879.

Basionym: *Agaricus granulatus* var. *cinnabarinus* Alb. et Schw., Consp. fung. Lusat.: 147, 1805.

≡ *Cystodermella cinnabarina* (Alb. et Schw.: Fr.) Harmaja

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 216, as *Lepiota cinnabarina* Fr.].
Viníklář L. (1924): Bedly (*Lepiota* Fr.). – Mykologia 1: 5–7.

Lepiota granulosa (Batsch: Fr.) S.F. Gray, Nat. Arr. Brit. Plants 1: 602, 1821.

Basionym: *Agaricus granulosis* Batsch, Elench. fung.: 79, 1783.

≡ *Cystodermella granulosa* (Batsch: Fr.) Harmaja

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 216, as *Lepiota granulosa* Batsch].
Viníklář L. (1924): Bedly (*Lepiota* Fr.). – Mykologia 1: 5–7.

LIMACELLA EARLE

Lepiota illinita (Fr.) Quél., Mém. Soc. Émul. Montbéliard, sér. 2, 5: 338, 1873 (in Champ. Jura Vosges 2).

Basionym: *Agaricus illinitus* Fr., Syst. mycol. 1: 23, 1821.

≡ *Limacella illinita* (Fr.) Maire

Kučera J. (1930): *Lepiota illinita* Fr. – Čas. Čs. Houb. 10: 73–74.
Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 54].

Lepiota delicata (Fr.) P. Kumm., Führ. Pilzk.: 136, 1871.

Basionym: *Agaricus delicatus* Fr., Syst. mycol. 1: 23, 1821.

≡ *Limacella delicata* (Fr.) Earle var. *delicata*

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 202, as *Lepiota delicata* Fr.].

Lepiota glioderma (Fr.) Gillet, Hyménomycètes: 73, 1874.

Basionym: *Agaricus gliodermus* Fr., Öfvers. K. Vetensk. Akad. Förh.: 31, 1851.

= *Limacella delicata* var. *glioderma* (Fr.) Gminder

Spálený J. (1952): Dvě vzácné bedly ve Stromovce. – Mykol. Sborn. 29(7–8): 116.

FLOCCULARIA POUZAR

Lepiota hedrychii Velen., České houby, vol. 1: 212, 1920.

Type: no type specimen exists. Type locality: Bohemia, in declivibus saxosis meridionalibus siccissimis solo calcarelo prope Kosoř, Radotín et Roblín, VIII. 1915, leg. J. Velenovský.

= *Floccularia straminea* (P. Kumm.) Pouzar

Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 212].

Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 79, as *Armillaria luteo-virens* A. Schw.].

Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohémica edito, descripsit. – Opera Bot. Čech. 6: 1–301 [p. 52, as *Lepiota hedrychii* Velen.].

Pilát A. (1950): Vzácná teplomilná houba: náramkovitka žlutozelená – *Armillaria luteovirens* (A. et S.) Sacc. – Čes. Mykol. 4(8–10): 141–145.

Note: Velenovský (1940) himself synonymised his *L. hedrychii* with *Armillaria luteovirens* (Alb. et Schw.) Sacc.

Species not discussed in modern taxonomic literature on *Lepiota* s. l.

Lepiota areolata Wichanský, Mykol. Sborn. 43(5–6): 69, 1966.

Type: Bohemia, in silvis Roblín (Bohemia centralis), 1. XI. 1965, leg. J. Frýzek (PRM).
Wichanský E. (1966): Bedla síťohlavá – *Lepiota areolata* Wich. sp.n. – Mykol. Sborn. 43(5–6): 68–69.
Note: this taxon has not been studied sufficiently. See Candusso and Lanzoni (1990: 116).

Lepiota collariata Wichanský, Mykol. Sborn. 39(3–4): 40, 1962.

Type: Bohemia, in stratu acuum sub *Picea excelsa* in silvis mixtis in societate *Lepiotae brunneo-incarnatae*, prope Černošice, 29. X. 1961, leg. E. Wichanský (PRM).
Wichanský E. (1962): Bedla kolárková – *Lepiota collariata* Wich. sp. n. – Mykol. Sborn. 39(3–4): 40–41.
Note: this taxon has hitherto not been discussed in modern literature and its generic position is unclear.

Lepiota decipiens Schwalb, Das Buch der Pilze: 110, 1891.

Schwalb K. (1891): Das Buch der Pilze. – 218 p., tab. 1–18. Wien.

Lepiota mesomorpha (Bull.) Gillet, Hyménomycètes: 65, 1874.

Basionym: *Agaricus mesomorphus* Bull., Herb. France 11: tab. 506, fig. 1, 1791.
Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 217].

Lepiota pinguis (Fr.) P. Karst., Bidrag Kännedom Finlands Natur Folk 32: 17, 1879.

Basionym: *Agaricus pinguis* Fr., Epicr. syst. mycol.: 19, 1836.
Velenovský J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha [p. 203].
Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 54].

Lepiota polinea Kučera, Čas. Čs. Houb. 11: 129–131, 1931.

Kučera J. (1931): Vzácná trofej. – Čas. Čs. Houb. 11: 129–131.

Note: without Latin description and indication of a type collection. It is probably a species of the genus *Leucocoprinus* (note of the editors of the journal).

Lepiota stepophila Pouzar ined.

Klán J. (1975): Mykoflóra Lounského středohoří. – Ms. [Dipl. práce; depon. in: Knih. kat. bot. Přír. fak. Karlovy Univerzity Praha]. 194 p. [p. 134].
Note: it has never been validly published.

Lepiota thymiphila Velen., in Sartory et Maire, Ann. Soc. Linn. Lyon 71: 45, 1924.

Type: no type specimen exists. Type locality: Bohemia, in declivibus siccis, calidis, in societate *Thymi* prope Mnichovice, VIII. 1922, leg. J. Velenovský.
Velenovský J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”) [p. 50].
Pilát A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohemica edito, descripsit. – Opera Botanica Čechica 6: 1–301 [p. 55].
Klán J. (1975): Mykoflóra Lounského středohoří. – Ms. [Dipl. práce; depon. in: Knih. kat. bot. Přír. fak. Karlovy Univerzity Praha]. 194 p. [p. 132].

Species of the genus *Lepiota* s. l. cited in Czech non-taxonomic literature

Apart from the above presented taxa of the genus *Lepiota* s. l. (supported by taxonomic articles and papers), there are some more names in the Czech literature, especially in mycofloristic and mycosociological articles, and short reports from conferences and seminars on biochemistry of fungi, mushrooming promotion etc. The taxa are very often listed without author's names, descriptions of carpophores, detailed characteristics of the location, or voucher specimens. In some cases we can even impeach the accuracy of the identification if we consider that the identification often took place directly in the field, without the possibility to consult literature and carry out a necessary microscopic examination. They are included in the list, although the data about their occurrence in the Czech Republic may not be reliable. The first part presents common and taxonomically well-known species (*Lepiota* s. l.), followed by taxa which have not been recently dealt with in European literature. They are arranged alphabetically and the names of the taxa are followed by the opinions of European monographers of the genus *Lepiota* s. l. (Candusso and Lanzoni 1990, Bon 1993, Vellinga 2001). If there is no note to the species, the above mentioned authors agree on the name; if not, a different name is stated. The author does not quote sources, as there is a great number of them, and they would unnecessarily extend this paper.

Generally accepted species of *Lepiota* s. str. published from the Czech Republic in non-taxonomical papers

Lepiota barlae Quél., C. R. Ass. Franc. Av. Sci. 26(2): 446, 1898 (in Champ. Jura Vosges 21, "1897").

Note: according to Candusso and Lanzoni (1990), *L. barlae* Quél. is a synonym of *Lepiota cristata* (Bolt.: Fr.) P. Kumm. var. *cristata*.

Lepiota bettinae Dörfelt, Z. Mykol. 48(2): 245, 1982.

Note: Bon (1993): as *Echinoderma bettinae* (Dörfelt). According to Vellinga (2001), *L. bettinae* Dörfelt is a synonym of *Lepiota rubella* Bres. in P. Henn.

Lepiota brunnescens Peck

≡ *Leucocoprinus brunnescens* (Peck) Pegler, Kew Bulletin Addit. Ser. 9: 422, 1983.

Note: Candusso and Lanzoni (1990): as *Leucocoprinus brunnescens* (Peck) Pegler. Bon (1993): as *Leucoagaricus brunnescens* (Peck) Bon.

Lepiota carinii Bres., Iconogr. mycol. 12: pl. 598. ("1929") 1930.

Note: Bon (1993) as *Echinoderma carinii* (Bres.) Bon.

Lepiota clypeolaria (Fr.) P. Kumm. var. *latispora* Kühner ex Wasser, Ukr. Bot. Journal 35(5): 518, 1978.

Note: according to Candusso and Lanzoni (1990), *L. clypeolaria* var. *latispora* is a synonym of *Lepiota kuehmeriana* Locq.

Lepiota fuscovinacea F.H. Møller et J.E. Lange, Fl. agaric. danic., vol. 5: 5, 1940.

Lepiota heimii Locq., Doc. Mycol. 11(43): 1981 (nom. nudum).

Note: according to Candusso and Lanzoni (1990), *L. heimii* Locq. is a synonym of *Lepiota locquinii* Bon. Bon (1993): as *Macrolepiota heimii* Locq. ex Bon in Bellù.

Lepiota hystrix F.H. Møller et J.E. Lange, Fl. agaric. danic., vol. 5: 5, 1940.

Note: Bon (1993): as *Echinoderma hystrix* (F.H. Møller et J.E. Lange) Bon.

Lepiota ignipes Locq. ex Bon, Doc. Mycol. 8(30–31): 70, 1978.

Note: according to Candusso and Lanzoni (1990) and Vellinga (2001), *L. ignipes* Locq. ex Bon is a synonym of *Lepiota castanea* Quél.

Lepiota irrorata (Quél.) Singer, Ann. Mycol. 34: 338, 1936.

= *Chamaemyces fracidus* (Fr.) Donk

Lepiota josserandii Bon et Boiffard, Bull. Soc. Mycol. France 90(4): 289, 1974.

Note: according to Candusso and Lanzoni (1990) and Vellinga (2001), *L. josserandii* is a synonym of *Lepiota subincarnata* J.E. Lange.

Lepiota lilacino-granulosa P. Henn., Verh. Botan. Ver. Prov. Brandenburg, Vol. 40: 145, 1898.

Note: according to Candusso and Lanzoni (1990), *L. lilacino-granulosa* P. Henn. is *Leucocoprinus lilacinogranulosus* (P. Henn.) Locq. According to Bon (1993) and Vellinga (2001), *Leucocoprinus lilacinogranulosus* (P. Henn.) Locq. is a synonym of *Leucocoprinus ianthinus* (Cooke) Locq.

Lepiota menieri Sacc., Syll. fung. 9: 4, 1891.

Note: according to Candusso and Lanzoni (1990) and Vellinga (2001), *L. menieri* Sacc. is *Leucoagaricus menieri* (Sacc.) Singer. Bon (1993): as *Sericeomyces menieri* (Sacc.) Contu.

Lepiota microsperma Locq., Bull. Soc. Mycol. France 68: 272, 1952 (nom. nudum).

Note: according to Candusso and Lanzoni (1990), *L. microsperma* Locq. is a synonym of *Leucoagaricus roseolanatus* (Huijsman) Bon. According to Bon (1993), *L. microsperma* Locq. is a synonym of *Pulverolepiota roseolanata* (Huijsman) Bon.

Lepiota minuta J.E. Lange, Dansk Bot. Arkiv 4(4): 48, 1923.

Note: according to Candusso and Lanzoni (1990) and Bon (1993), *L. minuta* is a synonym of *L. setulosa* J.E. Lange. According to Vellinga (2001), *L. minuta* is a synonym of *Lepiota echinella* Quél. et G.F. Bernard.

Lepiota olivieri Barla, Bull. Soc. Mycol. France 2: 113, 1886.

Note: according to Candusso and Lanzoni (1990), *L. olivieri* is a synonym of *Macrolepiota rachodes* (Vittad.) Singer var. *rachodes*. Bon (1993): not included. According to Vellinga (2001), *L. olivieri* is *Macrolepiota olivieri* (Barla) Wasser.

Lepiota pallida Locq. ex Bon et Candusso, Lepiota: 182, 1990.

Lepiota perplexa Knudsen, Bot. Tidsskr. 75(2–3): 137, 1981.

Note: according to Bon (1993), *L. perplexa* Knudsen is *Echinoderma perplexum* (Knudsen) Bon.

Lepiota pseudofelina J.E. Lange ex J.E. Lange, Fl. agaric. danic., vol. 5: 5, 1940.

Note: Bon (1993): as *Lepiota pseudofelina* J.E. Lange. According to Vellinga (2001), *L. pseudofelina* is a synonym of *Lepiota griseovirens* Maire.

Lepiota setulosa J.E. Lange, Fl. agaric. danic., vol. 5: 5, 1940.

Note: according to Vellinga (2001), *L. setulosa* is a synonym of *Lepiota echinella* Quél. et G. F. Bernard.

Lepiota subincarnata J.E. Lange, Fl. agaric. danic., vol. 5: 5, 1940.

Lepiota sublaevigata Bon et Boiffard, Doc. Mycol. 10(37–38): 90, 1978.

Lepiota ventriosospora Reid, Trans. Br. Mycol. Soc. 41(4): 427, 1958.

Note: Candusso and Lanzoni (1990): as *L. ventriosospora* Reid var. *ventriosospora*. According to Vellinga (2001), *L. ventriosospora* Reid is a synonym of *Lepiota magnispora* Murrill, and *L. ventriosospora* var. *fulva* Bon and *L. ventriosospora* Reid var. *umbrinorufescens* Bon are also identical with *L. magnispora* Murrill.

Lepiota xanthophylla P.D. Orton, Trans. Br. Mycol. Soc. 43(2): 289, 1960.

Other taxa of *Lepiota* s. l. cited in mycofloristic papers from the Czech Republic

Lepiota globularis Quéf.

Lepiota granulosa var. ***amianthina*** (Scop.) P. Kumm.
= *Cystoderma amianthinum* (Scop.) Fayod

Lepiota granulosa var. ***carcharias*** (Pers.) P. Kumm.
= *Cystoderma carcharias* (Pers.) Fayod

Lepiota lenticularis (Lasch) Gillet
= *Limacella guttata* (Pers.) Konr. et Maubl.

Lepiota glyciosma

Lepiota granulata

Lepiota granulosa var. *mesomorpha*

Lepiota micropholis f. *moravica*

New species of the genus *Lepiota* s. l. described by J. Velenovský

A separate chapter is composed of species described by J. Velenovský in České houby (Velenovský 1920–1922), Novitates mycologicae (Velenovský 1940), and in Novitates mycologicae novissimae (Velenovský 1947). *Lepiota aurantiaca* and *Lepiota thymiphila* were published in foreign literature (Sartory and Maire 1924). Voucher specimens can be found for some of Velenovský's species (herb. PRM and herb. PRC). If these have been found, they are presented with the relevant species. It seems necessary to examine Velenovský's collections thoroughly for future studies. Species which have already been revised are given in the first part of the article; others (not yet revised), the generic position of which is still unclear, follow hereafter in the original form with full taxonomic citation (and data on the existence of the type specimen), in alphabetical order.

Lepiota acicularis Velen., Novitates mycol.: 49, 1940 ("1939").

Type: no type specimen exists. Type locality: Bohemia, in dumetis corylinis collis Plecháč prope Mnichovice, VIII. 1936, leg. J. Velenovský.

Lepiota aurantiaca Velen., in Sartory et Maire, Ann. Soc. Linn. Lyon 71: 46, 1924.

Type: Bohemia, Pragae, Emausy, in vaporariis horti, V. 1922, leg. J. Velenovský (PRC; bottle no. 425 together with *Cantharellus confertus* Velen. et Pilát; missing locality; holotype ?).

Lepiota betulina Velen., Novitates mycol.: 49, 1940 ("1939").

Type: no type specimen exists. Type locality: Bohemia, in terra humosa betuleti prope Choteč frequens, X. 1935, leg. J. Velenovský.

Lepiota bulbosa Velen., České houby, vol. 1: 207, 1920.

Type: No type specimen exists. Type locality: Bohemia, in calluneto loco silvatico calido prope Myšlín, IX. 1918, leg. J. Velenovský.

Lepiota caroli Velen., Novitates mycol.: 47, 1940 ("1939").

Type: no type specimen exists. Type locality: Bohemia, in graminosis (substr. calcar.) prope Karlštejn, VI. 1924, leg. F. Fechtner.

Lepiota cosici Velen., Česká houby, vol. 1: 212, 1920.

Type: no type specimen exists. Type locality: Bohemia, in alneto humido in gramine ad rivum prope Černošice, VII. 1918, leg. J. Velenovský et J. Kosík.

Lepiota crustata Velen., Česká houby, vol. 1: 203, 1920.

Type: no type specimen exists. Type locality: Bohemia, in declivitatibus siccis montis Říp et in quercetis prope Radotín, VI. 1916, leg. J. Velenovský.

Lepiota dumetorum Velen., Novitates mycol.: 53, 1940 (“1939”).

Type: Bohemia, in verrimentis dumeti Ligustri in colle arido (occid.) prope Menčice, 20. VIII. 1926, leg. J. Velenovský (PRM 150260; day of collection is only on herbarium label; holotype).

Lepiota glabra Velen., Česká houby, vol. 1: 205, 1920.

Type: no type specimen exists. Cited localities: Bohemia, in pinetis siccis sub colle Manda prope Ondřejov, VIII. 1915, leg. J. Velenovský. – Bohemia, Kopanina prope Kosoř, VIII. 1914, leg. J. Velenovský. – Bohemia, silva Krčiensis, 1918, leg. J. Velenovský. – Bohemia, Babice, 1918, leg. O. Zvěřinová.

Lepiota hederacea Velen., Novitates mycol. nov.: 20, 1947.

Type: Bohemia, in formatione lata *Hederæ* in silva frondosa prope Myšlín in societate *Lepiotae proceræ* et *Psalliote arvensis*, leg. J. Velenovský (PRM 153931; date of collection is mentioned only in the herbarium specimen – VIII. 1940; holotype).

Lepiota lacerata Velen., Novitates mycol.: 52, 1940 (“1939”).

Type: Bohemia, sub *Crataego* prope Myšlín, X. 1934 (PRM 153940; holotype).

Lepiota latisquamosa Velen., Česká houby, vol. 1: 212, 1920.

Type: Bohemia, ad acus siccis coniferarum ad teram in declivitate meridionali montis Kožený vrch prope Mnichovice, VIII. 1916, leg. J. Velenovský (PRC, bottle no. 76/b together with *Collybia pulla* Schaeff. and *Cantharellus suspectus*; type status not checked).

Lepiota nitens Velen., Novitates mycol.: 51, 1940 (“1939”).

Type: Bohemia, Mirošovice, IX. 1938, leg. J. Velenovský (PRM 153924; syntype). – Bohemia, prope Stráňčice, 15. V. 1936, leg. J. Velenovský (PRM 154197; syntype).

Lepiota nitida Velen., Novitates mycol.: 54, 1940 (“1939”).

Type: no type specimen exists. Type locality: Bohemia, in tremuleto prope Vsesimy, IX. 1933.

Lepiota nivea Velen., Novitates mycol.: 55, 1940 (“1939”).

Type: no type specimen exists. Type locality: Bohemia, in verrimentis nemorum prope Mnichovice, aestate, leg. J. Velenovský.

Lepiota pandoræ Velen., Novitates mycol.: 48, 1940 (“1939”).

Type: no type specimen exists. Type locality: Bohemia, in desertis aridis insolatis prope Mnichovice (Hubač.) quotannis, VIII.–IX.

Lepiota parvula Velen., Česká houby, vol. 1: 217, 1920.

Type: no type specimen exists. Type locality: Bohemia, in declivitate regionis deserte et incultae cum *Stipa*, *Muscare tenuiflora*, *Antherico liliago*, *Pulsatilla pratensis* loco insolato, solo calcareo prope Radotín, VIII. 1915, leg. J. Velenovský.

Lepiota pomacea Velen., Česká houby, vol. 1: 214, 1920.

Type: Bohemia, in desertis graminosis siccis (*Stipa*, *Koeleria gracilis*, *Teucrium chamaedrys*, *Andropogon*, *Dianthus carthusianorum*) prope Chuchle, X. 1918, leg. J. Velenovský (PRC, bottle no. 36/b includes another 10 species – date of collection and locality missing; type status not checked).

Lepiota pseudogranulosa Velen., Novitates mycol. nov.: 20, 1947.

Type: Bohemia, ad terram inter *Calamintham acinos* in colle arido, saxoso prope Kunice, 21. IX. 1940, leg. J. Velenovský (PRM 154184; holotype).

Lepiota pusilla Velen., České houby, vol. 1: 209, 1920.

Type: Bohemia, in graminosis siccis prope Motoly solo diabasio, X. 1915, leg. Kašpar (PRC, bottle no. 452/a together with *Clitocybe concava* Scop. and *Limacium luteum* Velen.; type status not checked).

Lepiota retinosa Velen., Novitates mycol.: 52, 1940 ("1939").

Type: no type specimen exists. Type locality: Bohemia, in dumeto *Evonymi europaei* ad pedem montis Kožený vrch prope Mnichovice, leg. J. Velenovský.

Lepiota sladkyi Velen., České houby, vol. 1: 215, 1920.

Type: no type specimen exists. Type locality: Bohemia, in quercetis humosis prope Koryčany, IX. 1918, leg. J. Sladký.

Lepiota variegata Velen., České houby, vol. 1: 205, 1920.

Type: Bohemia, in nemoribus calidis, solo calcareo prope Černošice, X. 1919, leg. F. Fechtner (PRM 691709; holotype).

CONCLUSIONS

A checklist of the genus *Lepiota* s. str. from the area of the Czech Republic (complemented with species classified in the genus *Lepiota* s. l. in the past) was compiled by excerption of Czech taxonomic literature. In its final form (including varieties and forms) it contains 43 names of the genus *Lepiota* s. str., 17 names of the genus *Leucoagaricus*, 7 names of the genus *Cystolepiota*, 13 names of the genus *Macrolepiota*, 3 names of the genus *Chlorophyllum*, 5 names of the genus *Leucocoprinus*, 1 name of the genus *Melanophyllum*, 2 names of the genus *Sericeomyces*, 5 names of the genus *Cystoderma*, 2 names of the genus *Cystodermella*, 3 names of the genus *Limacella*, 1 name of the genus *Floccularia*, and 8 names of other genera (whose generic names are not known, neither are they placed within the system). The results of the excerption are summarised in Tab. 1. Species appearing in mycofloristic publications (Tab. 2) and some new species of the genus *Lepiota* s. l. described by J. Velenovský mentioned at the end of this paper, have not been included in this list. Differences in species concepts in the genus *Lepiota* s. str. (Candusso and Lanzoni 1990, Bon 1993, Vellinga 2001) are best characterised by Tab. 3.

ACKNOWLEDGEMENTS

I would like to thank Drs. Z. Pouzar and J. Holec for critically reading the manuscript and for valuable comments and suggestions. The work was supported by grant no. 206/03/H137 of the Grant Agency of the Czech Republic.

Tab. 1. Names used in taxonomic literature relating to the area of the Czech Republic.

Note: P et U – according to Pilát and Ušák (1959); C et L – according to Candusso and Lanzoni (1990); B – according to Bon (1993); S – according to Svrček (2000); V – according to Vellinga (2001); H – according to Harmaja (2002).

Names used in taxonomic literature relating to the area of the CR	Current name
<i>Lepiota</i> s. str.	
<i>Lepiota acutesquamosa</i> (Weinm.) P. Kumm.	<i>Lepiota aspera</i> (Pers.: Fr.) Quél. [C et L, V]; <i>Echinoderma acutesquamosum</i> (Weinm.) Bon [B]
<i>Lepiota acutesquamosa</i> var. <i>furcata</i> Kühner	<i>Lepiota aspera</i> (Pers.: Fr.) Quél. [C et L, V]; <i>Echinoderma acutesquamosum</i> (Weinm.) Bon [B]
<i>Lepiota acutesquamosa</i> f. <i>gigantea</i> Pilát	<i>Lepiota aspera</i> (Pers.: Fr.) Quél. [C et L, V]; <i>Echinoderma acutesquamosum</i> f. <i>giganteum</i> (Pilát) Bon [B]
<i>Lepiota alba</i> (Bres.) Sacc.	<i>Lepiota alba</i> (Bres.) Sacc. [C et L, B]; <i>Lepiota erminea</i> (Fr.: Fr.) P. Kumm. [V]
<i>Lepiota aspera</i> (Pers.: Fr.) Quél.	<i>Lepiota aspera</i> (Pers.: Fr.) Quél. [C et L, V]; <i>Echinoderma asperum</i> (Pers.: Fr.) Bon [B]
<i>Lepiota brunneoincarnata</i> Chod. et Mart.	<i>Lepiota brunneoincarnata</i> Chod. et Mart. [C et L, B, V]
<i>Lepiota castanea</i> Quél.	<i>Lepiota castanea</i> Quél. [C et L, B, V]
<i>Lepiota clypeolaria</i> (Bull.: Fr.) P. Kumm.	<i>Lepiota clypeolaria</i> (Bull.: Fr.) P. Kumm. [C et L, B, V]
<i>Lepiota clypeolaria</i> var. <i>crocea</i> Velen.	?
<i>Lepiota clypeolaria</i> var. <i>ochraceosulfurescens</i> Locq.	<i>Lepiota ochraceosulfurescens</i> Locq. ex Bon [C et L]; <i>Lepiota ochraceosulfurescens</i> (Locq.) Bon [B]; <i>Lepiota clypeolaria</i> (Bull.: Fr.) P. Kumm. [V]
<i>Lepiota cortinarius</i> J.E. Lange	<i>Lepiota cortinarius</i> J.E. Lange [B, V]; <i>Lepiota cortinarius</i> J.E. Lange var. <i>cortinarius</i> [C et L]
<i>Lepiota cristata</i> (Bolt.: Fr.) P. Kumm.	<i>Lepiota cristata</i> (Bolt.: Fr.) P. Kumm. [B, V]; <i>Lepiota cristata</i> (Bolt.: Fr.) P. Kumm. var. <i>cristata</i> [C et L]
<i>Lepiota cristata</i> f. <i>pseudoexcoriata</i> Hruby	?
<i>Lepiota echinacea</i> J.E. Lange	<i>Lepiota echinacea</i> J.E. Lange [C et L, V]; <i>Echinoderma echinaceum</i> (J.E. Lange) Bon [B]
<i>Lepiota echinella</i> Quél. et Bernard	<i>Lepiota echinella</i> Quél. et Bernard [C et L, B, V]
<i>Lepiota eriophora</i> Peck	<i>Lepiota eriophora</i> Peck [C et L]; <i>Echinoderma eriophorum</i> (Peck) Bon [B]; V – not included
<i>Lepiota erminea</i> (Fr.: Fr.) P. Kumm.	<i>Lepiota erminea</i> (Fr.) Gillet [C et L]; <i>Lepiota erminea</i> (Fr.: Fr.) Gillet [B]; <i>Lepiota erminea</i> (Fr.: Fr.) P. Kumm. [V]
<i>Lepiota exannulata</i> Velen.	<i>Lepiota oreadiformis</i> Velen. [S]; C et L, B, V: not included
<i>Lepiota exannulata</i> var. <i>striata</i> Velen.	?
<i>Lepiota felina</i> (Pers.) P. Karst.	<i>Lepiota felina</i> (Pers.) P. Karst. [C et L, V]; <i>Lepiota felina</i> (Pers.) P. Karst. s.l. [B – three varieties]
<i>Lepiota forquignonii</i> Quél.	<i>Lepiota forquignonii</i> Quél. [V, B – two varieties]; <i>Lepiota forquignonii</i> Quél. var. <i>forquignonii</i> [C et L]
<i>Lepiota friesii</i> (Lasch: Fr.) Quél.	<i>Lepiota aspera</i> (Pers.: Fr.) Quél. [C et L, V]; <i>Echinoderma friesii</i> (Lasch: Fr.) Bon [B]
<i>Lepiota fulvella</i> Rea	<i>Lepiota fulvella</i> Rea [C et L, B]; <i>Lepiota boudieri</i> Bres. [V]
<i>Lepiota grangei</i> (Eyre) Kühner	<i>Lepiota grangei</i> (Eyre) Kühner [C et L, V]; <i>Lepiota grangei</i> (Eyre) J.E. Lange [B]

ZELENÝ L.: TAXONOMIC LITERATURE ON THE GENUS *LEPIOTA* S. L. IN THE CZECH REPUBLIC

Names used in taxonomic literature relating to the area of the CR	Current name
<i>Lepiota grangei</i> f. <i>brunneoolivacea</i> Pilát	<i>L. grangei</i> (Eyre) Kühner [C et L]; <i>Lepiota griseovirens</i> Maire [V]; B – not included
<i>Lepiota helveola</i> Bres.	<i>Lepiota helveola</i> Bres. [B]; <i>Lepiota helveola</i> Bres. var. <i>helveola</i> [C et L]; V – not included
<i>Lepiota hispida</i> (Lasch) Gill.	<i>Lepiota hispida</i> (Lasch) Gill. [C et L]; <i>L. hispida</i> ss. auct. pp. = <i>Echinoderma calcicola</i> (Knud.) Bon [B]; V – not included
<i>Lepiota hispida</i> f. <i>ionobasis</i> Herink	?
<i>Lepiota ignicolor</i> Bres.	<i>Lepiota ignicolor</i> Bres. [C et L, B]; <i>Lepiota castanea</i> Quél. [V]
<i>Lepiota ignivolvata</i> Bousset et Joss. in Joss.	<i>Lepiota ignivolvata</i> Bousset et Joss. [C et L, B, V]
<i>Lepiota laevigata</i> (J.E. Lange) J.E. Lange	<i>Lepiota laevigata</i> (J.E. Lange) J.E. Lange [C et L]; <i>Lepiota oreadiformis</i> Velen. [S]; B, V: not included
<i>Lepiota lilacea</i> Bres.	<i>Lepiota lilacea</i> Bres. [C et L, B, V]
<i>Lepiota locquinii</i> Bon	<i>Lepiota locquinii</i> Bon [C et L, B]; V – not included
<i>Lepiota micropholis</i> (Berk. et Broome) Sacc.	<i>Lepiota micropholis</i> (Berk. et Broome) Sacc. [C et L]; <i>Lepiota micropholis</i> Berk. et Broome [B]; V – not included
<i>Lepiota micropholis</i> var. <i>felinoides</i> Wichanský	?
<i>Lepiota oreadiformis</i> Velen.	<i>Lepiota oreadiformis</i> Velen. [C et L, V]; <i>Lepiota oreadiformis</i> s.l. [B – two varieties]
<i>Lepiota parvannulata</i> (Lasch: Fr.) Gillet	<i>Lepiota parvannulata</i> (Lasch) Gillet [C et L]; <i>Lepiota parvannulata</i> (Lasch: Fr.) Gillet [B, V]
<i>Lepiota pratensis</i> (Fr.) Rea	<i>Lepiota oreadiformis</i> Velen. [C et L]; <i>Lepiota pratensis</i> (Fr.) Bigeard et Guillemin [B]; <i>Lepiota pratensis</i> (Fr.) Bigeard et Guillemin = <i>Lepiota oreadiformis</i> Velen. [V]
<i>Lepiota pseudohelveola</i> Kühner ex Hora	<i>L. pseudohelveola</i> Kühner ex Hora var. <i>pseudohelveola</i> [C et L]; <i>L. pseudolilacea</i> Huijsman [V]; B – two varieties
<i>Lepiota pyrochroa</i> Malenç.	<i>Lepiota pyrochroa</i> Malenç. [C et L, B, V]
<i>Lepiota rhodorhiza</i> (Romagn. et Locq.) ex P.D. Orton	<i>Lepiota rhodorhiza</i> (Romagn. et Locq.) ex P.D. Orton [C et L]; <i>Lepiota rhodorhiza</i> (Romagn. et Locq.) ex P.D. Orton [B]; <i>Lepiota echinela</i> Quél. et Bernard [V]
<i>Lepiota subgracilis</i> Kühner ex Wasser	<i>Lepiota subgracilis</i> Kühner ex Wasser [C et L]; <i>Lepiota subgracilis</i> Kühner [B, V]
<i>Lepiota tomentella</i> J.E. Lange	<i>Lepiota tomentella</i> J.E. Lange [C et L, B, V]
<i>Leucoagaricus</i> (Locq. ex) Singer	
<i>Lepiota badhamii</i> (Berk. et Broome) Quél.	<i>Leucoagaricus badhamii</i> (Berk. et Broome) Singer var. <i>badhamii</i> Singer [C et L]; <i>Leucoagaricus badhamii</i> (Berk. et Broome) Singer [B, V]
<i>Lepiota bresadolae</i> S. Schulz.	<i>Leucoagaricus bresadolae</i> (Schulz.) Bon var. <i>bresadolae</i> [C et L, B]; <i>Leucoagaricus americanus</i> (Peck) Vellinga [V]
<i>Lepiota densesquamosa</i> Velen.	<i>Macrolepiota puellaris</i> (Fr.) M.M. Moser [C et L]; <i>Leucoagaricus nympharum</i> (Kalchbr.) Bon [V]; B – not included
<i>Lepiota holosericea</i> Fr.	<i>Leucoagaricus holosericeus</i> (Fr.) M.M. Moser [C et L, B]; V – not included
<i>Lepiota leucothites</i> (Vittad.) P.D. Orton	<i>Leucoagaricus leucothites</i> (Vittad.) Wasser [C et L, B, V]
<i>Lepiota meleagris</i> (Sowerby) Quél.	<i>Leucoagaricus meleagris</i> (Sow.) Singer [C et L, B, V]

Names used in taxonomic literature relating to the area of the CR	Current name
<i>Lepiota meleagris</i> var. <i>nigricans</i> Velen.	?
<i>Lepiota naucina</i> (Fr.) P. Kumm.	<i>Leucoagaricus leucothites</i> (Vittad.) Wasser [C et L, B, V]
<i>Lepiota nympharum</i> (Kalchbr.) Kalchbr.	<i>Macrolepiota puellaris</i> (Fr.) M.M. Moser [C et L]; <i>Leucoagaricus nympharum</i> (Kalchbr.) Bon [V]; B – not included
<i>Lepiota olgae</i> Velen.	<i>Lepiota olgae</i> Velen. [C et L]; <i>Leucoagaricus olgae</i> (Velen.) Bon [B]; <i>Leucoagaricus leucothites</i> (Vittad.) Wasser [V]
<i>Lepiota rufovelutina</i> Velen.	<i>Leucoagaricus badhamii</i> (Berk. et Broome) Singer. var. <i>badhamii</i> Singer [C et L]; <i>Leucoagaricus badhamii</i> (Berk. et Broome) Singer [B, V]
<i>Lepiota rufovelutina</i> var. <i>sanguinescens</i> Pilát	<i>L. badhamii</i> (Berk. et Broome) Singer. var. <i>badhamii</i> Singer [C et L]; <i>L. badhamii</i> (Berk. et Broome) Singer [B, V]
<i>Lepiota rufovelutina</i> var. <i>subrubens</i> Wichanský	<i>Leucoagaricus badhamii</i> (Berk. et Broome) Singer var. <i>erubescens</i> (Babos) Bon [C et L]; <i>Leucoagaricus erubescens</i> (Babos) Bon [B]; V – not included
<i>Lepiota serena</i> (Fr.) Quél.	<i>Leucoagaricus serenus</i> (Fr.) Bon et Boiffard [C et L, V]; <i>Sericeomyces serenus</i> (Fr.) Heinemann [B]
<i>Lepiota sericata</i> Kühner et Romagn.	<i>Leucoagaricus sericeus</i> (Cool) Bon et Boiffard [C et L]; <i>Sericeomyces sericifer</i> (Locq.) Døssing [B]; <i>Leucoagaricus sericifer</i> (Locq.) Vellinga [V]
<i>Lepiota wichanskýi</i> Pilát	<i>Leucoagaricus wichanskýi</i> (Pilát) Bon et Boiffard [C et L, B, V]
<i>Cystolepiota</i> Singer	
<i>Lepiota bucknallii</i> (Berk. et Broome) Sacc.	<i>Cystolepiota bucknallii</i> (Berk. et Broome) Singer et Clémenc. [C et L, V]; B – not included
<i>Lepiota hetieri</i> Boud.	<i>Cystolepiota hetieri</i> (Boud.) Singer [C et L, B, V]
<i>Lepiota hetieri</i> f. <i>gracilis</i> Herink apud Pilát	?
<i>Lepiota huysmani</i> Wichanský	<i>Cystolepiota cystidiosa</i> (A.H. Smith) Bon [V]; C et L, B – not included
<i>Lepiota seminuda</i> (Lasch) P. Kumm.	<i>Cystolepiota sistrata</i> (Fr.: Fr.) Singer ex Bon et Bellù [C et L]; <i>Cystolepiota seminuda</i> (Lasch: Fr.) Bon [B]; <i>Cystolepiota seminuda</i> (Lasch) Bon [V]
<i>Lepiota sistrata</i> (Fr.) Quél. sensu Herink	<i>Leucoagaricus pulverulentus</i> (Huijsman) Bon [C et L]; <i>Cystolepiota sistrata</i> (Fr.: Fr.) Bon et Bellù [B]; <i>Cystolepiota pulverulenta</i> (Huijsman) Vellinga [V]
<i>Macrolepiota</i> Singer	
<i>Lepiota affinis</i> Velen.	<i>Macrolepiota affinis</i> (Velen.) Bon [C et L]; V – not included
<i>Lepiota excoriata</i> (Schaeff.: Fr.) P. Kumm.	<i>Macrolepiota excoriata</i> (Schaeff.: Fr.) Wasser var. <i>excoriata</i> [C et L, B]; <i>Macrolepiota excoriata</i> (Schaeff.: Fr.) Wasser [V]
<i>Lepiota gracilentata</i> (Krombh.) Quél.	<i>Lepiota gracilentata</i> (Krombh.) Quél. ss. Ricken = <i>Macrolepiota rickenii</i> (Velen.) Bellù et Lanzoni [C et L]; <i>Lepiota gracilentata</i> (Krombh.) Wasser s. auct. non Krombh. = <i>Macrolepiota rickenii</i> (Velen.) Bellù et Lanzoni [B]; <i>Macrolepiota mastoidea</i> (Fr.: Fr.) Singer [V]
<i>Lepiota konradii</i> Huijsman ex P.D. Orton	<i>Macrolepiota konradii</i> (Huijsman ex P.D. Orton) M.M. Moser [C et L, B]; <i>Macrolepiota mastoidea</i> (Fr.: Fr.) Singer [V]
<i>Lepiota mastoidea</i> (Fr.) P. Kumm.	<i>Macrolepiota mastoidea</i> (Fr.: Fr.) Singer var. <i>mastoidea</i> [C et L]; <i>Macrolepiota mastoidea</i> (Fr.: Fr.) Singer [B, V]
<i>Lepiota mastoidea</i> var. <i>pobudae</i> Kavina	?

Names used in taxonomic literature relating to the area of the CR	Current name
<i>Lepiota procera</i> (Scop.: Fr.) S.F. Gray	<i>Macrolepiota procera</i> (Scop.: Fr.) Singer var. <i>procera</i> [C et L, B]; <i>Macrolepiota procera</i> (Scop.: Fr.) Singer [V]
<i>Lepiota procera</i> var. <i>umbrosa</i> Kavina	?
<i>Lepiota prominens</i> (Viviani ex Fr.) Sacc.	<i>Macrolepiota prominens</i> (Viviani ex Fr.) M.M. Moser [C et L, B] V – not included
<i>Lepiota pseudocristata</i> Velen.	<i>Lepiota excoriata</i> (Schaeff.: Fr.) P. Kumm. [P et U]; C et L, B, V – not included
<i>Lepiota rachodes</i> var. <i>puellaris</i> (Fr.) Sacc.	<i>Macrolepiota puellaris</i> (Fr.) M.M. Moser [C et L, B]; <i>Leucoagaricus nympharum</i> (Kalchbr.) Bon [V]
<i>Lepiota rickenii</i> Velen.	<i>Macrolepiota rickenii</i> (Velen.) Bellù et Lanzoni [C et L, B]; <i>Macrolepiota mastoidea</i> (Fr.: Fr.) Singer [V]
<i>Lepiota rubescens</i> Velen.	<i>Macrolepiota excoriata</i> (Schaeff.: Fr.) Wasser var. <i>rubescens</i> [C et L]; B, V – not included
<i>Chlorophyllum</i> Massee	
<i>Lepiota bohémica</i> Wichanský	<i>Macrolepiota rachodes</i> (Vittad.) Singer var. <i>bohémica</i> (Wichanský) Bellù et Lanzoni [C et L, B]; <i>Chlorophyllum rachodes</i> (Vittad.) Vellinga [V]
<i>Lepiota rachodes</i> (Vittad.) Quéf.	<i>Macrolepiota rachodes</i> (Vittad.) Singer var. <i>rachodes</i> [C et L]; <i>Macrolepiota rachodes</i> (Vittad.) Singer [B]; <i>Chlorophyllum rachodes</i> (Vittad.) Vellinga [V]
<i>Lepiota rachodes</i> var. <i>hortensis</i> Pilát	<i>Macrolepiota rachodes</i> (Vittad.) Singer var. <i>bohémica</i> (Wichanský) Bellù et Lanzoni [C et L, B]; <i>Chlorophyllum rachodes</i> (Vittad.) Vellinga [V]
<i>Leucocoprinus</i> Pat.	
<i>Lepiota cepaestipes</i> (Sowerby: Fr.) P. Kumm.	<i>Leucocoprinus cepistipes</i> (Sowerby: Fr.) Pat. var. <i>cepistipes</i> [C et L]; <i>Leucocoprinus cepaestipes</i> (Sowerby: Fr.) Pat. [B]; <i>Leucocoprinus cepaestipes</i> (Sowerby: Fr.) Pat. sensu J.E. Lange [V]
<i>Lepiota cepaestipes</i> var. <i>cretacea</i> (Bull.) Fr.	<i>Leucocoprinus brebissonii</i> (Godey in Gillet) Locq. [C et L]; V – not included
<i>Lepiota denudata</i> (Rabenh.) Sacc.	<i>Leucocoprinus denudatus</i> (Rabenh.) Singer [C et L]; <i>Leucocoprinus denudatus</i> (Sacc.) Locq. [B]; <i>Leucocoprinus straminellus</i> (Bagl.) Narducci et Caroti [V]
<i>Lepiota heterospora</i> (Locq.) Pilát	<i>Leucocoprinus heterosporus</i> [C et L]; V, B – not included
<i>Lepiota lutea</i> (Bolton) Godfrin	<i>Leucocoprinus birnbaumii</i> (Corda) Singer [C et L, V]; B – not included
<i>Melanophyllum</i> Velen.	
<i>Lepiota eyrei</i> (Mass.) J.E. Lange	<i>Melanophyllum eyrei</i> (Mass.) Singer [C et L, B, V]
<i>Sericeomyces</i> Heineman	
<i>Lepiota cygneo-affinis</i> Pilát	<i>Sericeomyces cygneoaffinis</i> (Pilát) Heinemann [B]; C et L, V – not included
<i>Lepiota medullata</i> Fr. (Quéf.)	<i>Sericeomyces medullatus</i> (Fr.) Bon [B]; C et L, V – not included
<i>Cystoderma</i> Fayod	
<i>Lepiota amianthina</i> (Scop.) P. Karst.	<i>Cystoderma amianthinum</i> (Scop.) Maubl.
<i>Lepiota amianthina</i> var. <i>evae</i> Kavina	?
<i>Lepiota amianthina</i> Scop. var. <i>foetidissima</i> Velen.	?

Names used in taxonomic literature relating to the area of the CR	Current name
<i>Lepiota carcharias</i> (Pers.) P. Karst.	<i>Cystoderma carcharias</i> (Pers.) Maubl.
<i>Lepiota haematites</i> (Berk. et Broome) Ricken	<i>Cystoderma superbum</i> Huijsman
<i>Cystodermella</i> Harmaja	
<i>Lepiota cinnabarina</i> (Alb. et Schw.: Fr.) P. Karst.	<i>Cystodermella cinnabarina</i> (Alb. et Schw.: Fr.) Harmaja [H]
<i>Lepiota granulosa</i> (Batsch: Fr.) S.F. Gray	<i>Cystodermella granulosa</i> (Batsch: Fr.) Harmaja [H]
<i>Limacella</i> Earle	
<i>Lepiota delicata</i> (Fr.) P. Kumm.	? <i>Limacella delicata</i> var. <i>delicata</i>
<i>Lepiota glioderma</i> (Fr.) Gillet	? <i>Limacella delicata</i> var. <i>glioderma</i> (Fr.) Gminder
<i>Lepiota illinita</i> Fr. (Quél.)	<i>Limacella illinita</i> (Fr.) Maire
<i>Floccularia</i> Pouzar	
<i>Lepiota hedrychii</i> Velen.	<i>Floccularia straminea</i> (P. Kumm.) Pouzar
species of unclear position	
<i>Lepiota areolata</i> Wichanský	?
<i>Lepiota collariata</i> Wichanský	?
<i>Lepiota decipiens</i> Schwalb	?
<i>Lepiota mesomorpha</i> (Bull.) Gillet	?
<i>Lepiota pinguis</i> (Fr.) P. Karst.	?
<i>Lepiota polinea</i> Kučera	?
<i>Lepiota stepophila</i> Pouzar	?
<i>Lepiota thymiphila</i> Velen.	?

Tab. 2. Names used in mycofloristic literature relating to the area of the Czech Republic.

Names used in mycofloristic literature relating to the area of the CR	Current name
<i>Lepiota barlae</i> Quél.	<i>Lepiota cristata</i> (Bolt.: Fr.) P. Kumm. var. <i>cristata</i> [C et L]; B, V – not included
<i>Lepiota bettinae</i> Dörfelt	<i>Lepiota bettinae</i> Dörfelt [C et L]; <i>Echinoderma bettinae</i> (Dörfelt) Bon [B]; <i>Lepiota rubella</i> Bres. in P. Henn. [V]
<i>Lepiota brunnescens</i> Peck	<i>Leucocoprinus brunnescens</i> (Peck) Pegler [C et L, B]; V – not included
<i>Lepiota clypeolaria</i> (Fr.) P. Kumm. var. <i>latispora</i> Kühner ex Wasser	<i>Lepiota kuehneriana</i> Locq. [C et L]; B, V – not included
<i>Lepiota fuscovinacea</i> F.H. Møller et J.E. Lange	<i>Lepiota fuscovinacea</i> F.H. Møller et J.E. Lange [C et L, B, V]
<i>Lepiota heimii</i> Locq.	<i>Lepiota locquinii</i> Bon [C et L]; <i>Macrolepiota heimii</i> Locq. ex Bon in Bellù [B, V]
<i>Lepiota hystrix</i> F.H. Møller et J.E. Lange	<i>Lepiota hystrix</i> F.H. Møller et J.E. Lange [C et L, V]; <i>Echinoderma hystrix</i> (F.H. Møller et J.E. Lange) Bon [B]
<i>Lepiota ignipes</i> Locq. ex Bon	<i>Lepiota castanea</i> Quél. [C et L, V]; <i>Lepiota ignipes</i> Locq. ex Bon [B]
<i>Lepiota irrorata</i> Quél.	<i>Chamaemyces fracidus</i> (Fr.) Donk [C et L, B, V]
<i>Lepiota josserandii</i> Bon et Boiffard	<i>Lepiota subincarnata</i> J.E. Lange [C et L, V]; <i>Lepiota josserandii</i> Bon et Boiffard [B]
<i>Lepiota lilacino-granulosa</i> P. Henn.	<i>Leucocoprinus lilacinogranulosus</i> (P. Henn.) Locq. [C et L]; <i>Leucocoprinus lilacinogranulosus</i> (P. Henn.) Locq. is a synonym of <i>Leucocoprinus ianthinus</i> (Sacc.) Locq. [B]; <i>Leucocoprinus ianthinus</i> (Sacc.) Locq. [V]
<i>Lepiota menieri</i> Sacc.	<i>Leucoagaricus menieri</i> (Sacc.) Singer [C et L, V]; <i>Sericeomyces menieri</i> (Sacc.) Contu [B]
<i>Lepiota microsperma</i> Locq.	<i>Leucoagaricus roseolanatus</i> (Huijsman) Bon [C et L]; <i>Pulverolepiota roseolanata</i> (Huijsman) Bon [B]; V – not included
<i>Lepiota minuta</i> J.E. Lange	<i>Lepiota setulosa</i> J.E. Lange [C et L, B]; <i>Lepiota echinella</i> Quél. et G.F. Bernard [V]
<i>Lepiota olivieri</i> Barla	<i>Macrolepiota rachodes</i> (Vittad.) Singer var. <i>rachodes</i> [C et L]; <i>Macrolepiota olivieri</i> (Barla) Wasser [V]; B – not included
<i>Lepiota pallida</i> Locq. ex Bon et Candusso	<i>Lepiota pallida</i> Locq. ex Bon et Candusso [C et L, B, V]
<i>Lepiota perplexa</i> Knudsen	<i>Lepiota perplexa</i> Knudsen [C et L, V]; <i>Echinoderma perplexum</i> (Knudsen) Bon [B]
<i>Lepiota pseudofelina</i> J.E. Lange ex J.E. Lange	<i>Lepiota pseudofelina</i> J.E. Lange ex J.E. Lange [C et L]; <i>Lepiota griseovirens</i> Maire [V]; <i>Lepiota pseudofelina</i> J.E. Lange [B]
<i>Lepiota setulosa</i> J.E. Lange	<i>Lepiota setulosa</i> J.E. Lange [C et L, B]; <i>Lepiota echinella</i> Quél. et G.F. Bernard [V]
<i>Lepiota subincarnata</i> J.E. Lange	<i>Lepiota subincarnata</i> J.E. Lange [C et L, B, V]
<i>Lepiota sublaevigata</i> Bon et Boiffard	<i>Lepiota sublaevigata</i> Bon et Boiffard [C et L, B]; V – not included
<i>Lepiota ventriosospora</i> Reid	<i>Lepiota ventriosospora</i> Reid var. <i>ventriosospora</i> [C et L]; <i>Lepiota magnispora</i> Murrill [B – three varieties, V]
<i>Lepiota xanthophylla</i> P.D. Orton	<i>Lepiota xanthophylla</i> P.D. Orton [C et L, B, V]

Tab. 3. Differences in species concept of the genus *Lepiota* s. str. (relating to the species known from the Czech Republic).

Candusso and Lanzoni (1990)	Bon (1993)	Vellinga (2001)
<i>Lepiota clypeolaria</i>	<i>Lepiota clypeolaria</i>	<i>Lepiota clypeolaria</i>
<i>Lepiota erminea</i>	<i>Lepiota erminea</i>	<i>Lepiota erminea</i>
<i>Lepiota alba</i>	<i>Lepiota alba</i>	<i>Lepiota erminea</i>
<i>Lepiota oreadiformis</i>	<i>Lepiota oreadiformis</i>	<i>Lepiota oreadiformis</i>
<i>Lepiota oreadiformis</i>	<i>Lepiota pratensis</i>	<i>Lepiota oreadiformis</i>
<i>Lepiota cortinarius</i>	<i>Lepiota cortinarius</i>	<i>Lepiota cortinarius</i>
<i>Lepiota subgracilis</i>	<i>Lepiota subgracilis</i>	<i>Lepiota subgracilis</i>
<i>Lepiota ignivolva</i>	<i>Lepiota ignivolva</i>	<i>Lepiota ignivolva</i>
<i>Lepiota castanea</i>	<i>Lepiota castanea</i>	<i>Lepiota castanea</i>
<i>Lepiota castanea</i>	<i>Lepiota ignipes</i>	<i>Lepiota castanea</i>
<i>Lepiota ignicolor</i>	<i>Lepiota ignicolor</i>	<i>Lepiota castanea</i>
<i>Lepiota fulvella</i>	<i>Lepiota fulvella</i>	<i>Lepiota boudieri</i>
<i>Lepiota tomentella</i>	<i>Lepiota tomentella</i>	<i>Lepiota tomentella</i>
<i>Lepiota grangei</i>	<i>Lepiota grangei</i>	<i>Lepiota grangei</i>
<i>Lepiota felina</i>	<i>Lepiota felina</i>	<i>Lepiota felina</i>
<i>Lepiota pseudohelveola</i>	<i>Lepiota pseudohelveola</i>	<i>Lepiota lilacea</i>
<i>Lepiota forquignonii</i>	<i>Lepiota forquignonii</i>	<i>Lepiota forquignonii</i>
<i>Lepiota echinella</i>	<i>Lepiota echinella</i>	<i>Lepiota echinella</i>
<i>Lepiota locquinii</i>	<i>Lepiota locquinii</i>	<i>Lepiota locquinii</i>
<i>Lepiota rhodorhiza</i>	<i>Lepiota rhodorhiza</i>	<i>Lepiota echinella</i>
<i>Lepiota brunneoincarnata</i>	<i>Lepiota brunneoincarnata</i>	<i>Lepiota brunneoincarnata</i>
<i>Lepiota helveola</i>	<i>Lepiota helveola</i>	<i>Lepiota helveola</i>
<i>Lepiota parvannulata</i>	<i>Lepiota parvannulata</i>	<i>Lepiota parvannulata</i>
<i>Lepiota cristata</i>	<i>Lepiota cristata</i>	<i>Lepiota cristata</i>
<i>Lepiota lilacea</i>	<i>Lepiota lilacea</i>	<i>Lepiota lilacea</i>
<i>Lepiota micropholis</i>	<i>Lepiota micropholis</i>	∅
<i>Lepiota pyrochroa</i>	<i>Lepiota pyrochroa</i>	<i>Lepiota pyrochroa</i>
<i>Lepiota aspera</i>	<i>Echinoderma asperum</i>	<i>Lepiota aspera</i>
<i>Lepiota echinacea</i>	<i>Echinoderma echinaceum</i>	<i>Lepiota echinacea</i>
<i>Lepiota eriophora</i>	<i>Echinoderma eriophorum</i>	∅
<i>Lepiota hispida</i>	<i>Echinoderma calcicola</i>	∅
<i>Lepiota ventriosospora</i>	<i>Lepiota ventriosospora</i>	<i>Lepiota magnispora</i>
<i>Lepiota ochraceosulfurescens</i>	<i>Lepiota ochraceosulfurescens</i>	<i>Lepiota clypeolaria</i>
<i>Lepiota sublaevigata</i>	<i>Lepiota sublaevigata</i>	∅
<i>Lepiota pallida</i>	<i>Lepiota pallida</i>	<i>Lepiota pallida</i>
<i>Lepiota bettinae</i>	<i>Echinoderma bettinae</i>	<i>Lepiota rubella</i>
<i>Lepiota carinii</i>	<i>Echinoderma carinii</i>	<i>Lepiota carinii</i>
<i>Lepiota griseovirens</i>	∅	<i>Lepiota griseovirens</i>
<i>Lepiota pseudofelina</i>	<i>Lepiota pseudofelina</i>	<i>Lepiota griseovirens</i>
<i>Lepiota brunneoincarnata</i>	<i>Lepiota brunneoincarnata</i>	<i>Lepiota brunneoincarnata</i>

Candusso and Lanzoni (1990)	Bon (1993)	Vellinga (2001)
<i>Lepiota xanthophylla</i>	<i>Lepiota xanthophylla</i>	<i>Lepiota xanthophylla</i>
<i>Lepiota setulosa</i>	<i>Lepiota setulosa</i>	<i>Lepiota echinella</i>
<i>Lepiota fuscovinacea</i>	<i>Lepiota fuscovinacea</i>	<i>Lepiota fuscovinacea</i>
<i>Lepiota subincarnata</i>	<i>Lepiota josserandii</i>	<i>Lepiota subincarnata</i>
<i>Lepiota hystrix</i>	<i>Echinoderma hystrix</i>	<i>Lepiota hystrix</i>
<i>Lepiota perplexa</i>	<i>Echinoderma perplexum</i>	<i>Lepiota perplexa</i>

REFERENCES

- ALBERTINI I. B. and SCHWEINITZ L. D. (1805): *Conspectus fungorum in Lusitaniae Superioris agro Niskiensi crescentium e methodo Persooniana*. – 376 p. Lipsiae.
- ANTONÍN V., GRUNA B., HRADÍLEK Z., VÁGNER A. and VĚZDA A. (2000): Houby, lišejníky a mechorostry Národního parku Podyjí. – 220 p. Brno.
- ANTONÍN V., VÁGNER A. and VAMPOLA P. (2000): Flóra makromycetů. – In: Vicherek J. et al. (eds.), Flóra a vegetace na soutoku Moravy a Dyje, p. 25–82, Brno.
- BERKELEY M. J. and BROOME C. E. (1854): Notices of British fungi. – *Ann. Mag. Nat. Hist.*, N° 15, Ser. 2, 13: 396–457.
- BERKELEY M. J. et BROOME C. E. (1878): Notices of British fungi. – *Ann. Mag. Nat. Hist.*, N° 30, Ser. 5, 1: 17–30.
- BERKELEY M. J. et BROOME C. E. (1881): Notices of British fungi. – *Ann. Mag. Nat. Hist.*, N° 32, Ser. 5, 7: 123–131.
- BERKELEY M. J. et BROOME C. E. (1871): The Fungi of Ceylon. – *J. Linn. Soc.* 11: 494–567.
- BERNARD M. G. (1888): Note sur une Lépiote nouvelle. – *Bull. Soc. Mycol. France* 4: 51.
- BOLTON J. (1788): An history of fungusses growing about Halifax. Vol. 1. – 44 p. Halifax.
- BON M. (1978): Taxons nouveaux. – *Doc. Mycol.* 8(30–31): 69–71.
- BON M. (1979): Taxons nouveaux. – *Doc. Mycol.* 10(37–38): 89–92.
- BON M. (1985): Novitates. – *Doc. Mycol.* 16(61): 20, 46.
- BON M. (1993): Flore mycologique d'Europe, Vol. 3. Les Lepiotes. – 153 p. St. Valery-sur-Somme.
- BON M. and Boiffard J. (1974): Lepiotes de Vendée et de la Côte atlantique française. – *Bull. Soc. Mycol. France* 90(4): 287–306.
- BOUDIER M. E. (1902): Champignons nouveaux de France. – *Bull. Soc. Mycol. France* 18: 137–146 et Pl. 6.
- BRESADOLA G. (1881): *Fungi Tridentini*, ser. 1. – 114 p. Trento.
- BRESADOLA G. (1892): *Fungi Tridentini*, ser. 2. – 118 p. Trento.
- BRIDSON G. D. R. and Smith E. R. (1991): *Botanico-Periodicum-Huntianum/Supplementum*. – 1068 p. Pittsburgh. (*Supplement to the 1968 Edition*)
- BRUMMIT R. K. and POWELL C. E. (1992): *Authors of plant names*. – 730 p. London.
- CABI Bioscience databases. Internet version: <http://www.indexfungorum.org/Index.htm>.
- CANDUSSO M. and LANZONI G. (1990): *Fungi Europaei*, Vol. 4. *Lepiota*. – 743 p. Saronno.
- CEJP K. (1931): Dvě zajímavé bedly ze skleníků botanické zahrady. – *Mykologia* 8(4–5): 41–43.
- CEJP K. (1972): Bibliografie za padesát let (1922–1972). – *Minulostí Rokycanska* 10–11: 60–72.
- DERMEK A. and PILÁT A. (1974): *Poznávejme huby*. – 276 p., 133 tab. Bratislava.
- ENDERLE M. and KRIEGLSTEINER G. J. (1989): Die Gattung *Lepiota* (Pers.) S.F. Gray emend. Pat. in der Bundesrepublik Deutschland (Mitteleuropa). – *Z. Mykol.* 55(1): 43–104.
- FELLNER R. (1988): Přehled makromycetů sbíraných v průběhu exkursí semináře v Horním Bradle (Železné hory) ve dnech 6.–8.9. 1987. – In: Kuthan J. (ed.), *Houby bučin v Československu*, p. 48–51, Praha.

- FRIES E. (1821): *Systema mycologicum*, vol. 1. – 520 p. Lund.
- FRIES E. (1836–1838): *Epicrisis systematis mycologici seu synopsis hymenomycetum*. – 610 p. Uppsaliae et Lundae.
- FRIES E. (1857–1863): *Monographia Hymenomycetum Sueciae*. Uppsala.
- FRIES E. (1874): *Hymenomycetes Europaei sive epicriseos systematis mycologici editio altera*. – 756 p. Uppsala.
- GILLET C. C. (1874): *Les Hyménomycètes*. – 828 p. Alençon.
- HARMAJA H. (1979): Studies in the genus *Cystoderma*. – *Karstenia* 19(1): 25–29.
- HARMAJA H. (2002): *Amylolepiota*, *Clavicybe* and *Cystodermella*, new genera of the *Agaricales*. – *Karstenia* 42: 39–48.
- HEJTMÁNEK M. and LAZEBNÍČEK J. (1989): Docent RNDr. Bronislav Hlůza, CSc., šedesátiletý. – *Čes. Mykol.* 43(2): 110–114.
- HERINK J. (1959): Bělohnojník sírožlutý. *Leucocoprinus denudatus* (Rabenh.) Singer. – *Čes. Mykol.* 13(2): 108–116.
- HERINK J. (1961): Studie československých bedel (*Lepioteae* Fayod) I. – *Čes. Mykol.* 15(4): 217–234.
- HERINK J. (1962): Studie československých bedel (*Lepioteae* Fayod) II. – *Čes. Mykol.* 16(4): 219–236.
- HERINK J. (1975): Pracovní metody taxonomického studia bedel – *Lepiota* (Pers.) ex S.F. Gray (sensu lato). – In: Z. Radošová (ed.), *Sborník referátů přednesených na semináři "Metody studia taxonomie hub"*, Praha, 29. I. 1975, p. 57–65, Praha (ÚVTI).
- HLŮZA B. (1990): Bibliografický index 1.–12. roč. České mykologie (1947–1958). – *Acta Univ. Palack. Olomuc., Fac. Paedag., Biol.* 6, p. 9–50, Olomouc.
- HLŮZA B. (1996): Mykologické listy – obsah a index č. 1–50 (1980–1993). – *Mykol. Listy*, appendix, 61 p.
- HLŮZA B. (1997): Index Mykologických listů č. 51–60. – *Mykol. Listy* 63: 8–28.
- HLŮZA B. (1999): The contents and bibliographical index of vol. 1–8 of the journal *Mycologia* (Praha) 1924–1931. – *Czech Mycol.* 51(4): 209–271.
- HLŮZA B. (2000): Index Mykologických listů č. 61–70. – *Mykol. Listy* 72: 29–46.
- HLŮZA B. and ANTONÍN A. (1986): Bibliografie Mykologického zpravodaje. – *Acta Univ. Palack. Olomuc., Fac. Paedag., Biol.* 4, p. 7–96, Praha.
- HOLEC J. et al. (2006): Vědecké a muzejní zpracování vybraných skupin hub ze sbírek Národního muzea – katalog typů prof. J. Velenovského a komentovaný seznam druhů rodu *Lachnum* známých z území Čech. – Zpráva o výsledcích grantu MK ČR, depon. in: Národní muzeum, mykologické oddělení; MK ČR.
- HOLUB J. (1978): Bibliografické citace a zkratky. – *Zpr. Čs. Bot. Společ., suppl.* 1978(1): 1–85.
- HORA F. B. (1960): New check list of British Agarics and Boleti. Part IV. Validations, new species and critical notes. – *Trans. Br. Mycol. Soc.* 43(2): 440–459.
- HRUBY J. (1935): Beiträge zur Pilzflora Mährens und Schlesiens. (Fortsetzung 4) – *Verh. Naturforsch. Ver. Brünn* 66: 87–123.
- JOSSERAND M. (1974b): Notes critiques sur quelques champignons de la région Lyonnaise. – *Bull. Soc. Mycol. France* 90(3): 231–263.
- JOSSERAND M. (1990): *Lepiota ignivolvata*. – *Riv. Micol.* 33(1): 30.
- KALCHBRENNER K. and SCHULZER S. (1873): *Icones selectae Hymenomycetum Hungariae*. – Pest.
- KARSTEN P. A. (1879): *Rysslands, Finlands och den Skandinaviska halföns Hattsvampar*. Vol. 1. *Skifsvampar*. – *Bidrag Kännedom Finlands Natur Folk* 32: 1–571.
- KLÁN J. (1986): Makromycety xerothermních travinných porostů ČSR. – In: Kuthan J. (ed.), *Houby nelesních stanovišť ČSSR: pisky, stepi, černavy*, p. 14–22, Praha.
- KOTLABA F. (1959): K pětasedmdesátinám Rudolfa Veselého. – *Čes. Mykol.* 13(2): 65–73.
- KOTLABA F. et al. (1995): Červená kniha ohrožených a vzácných druhov rastlín a živočíchov SR a ČR. Vol. 4. (Red book of threatened and rare species of the Slovak and Czech Republics). – 221 p. Bratislava.
- KROMBOLZ J. V. (1831–1846): *Naturgetreue Abbildungen und Beschreibungen der essbaren, schädlichen und verdächtigen Schwämme*. – Pragae.

- KUMMER P. (1871): Der Führer in die Pilzkunde. – 146 p. Zerbst.
- KUTHAN J. (1991): Houby rostoucí v prostředí ovlivněném činností člověka. – In: Kuthan J. (ed.), Houby rostoucí v prostředí ovlivněném činností člověka, p. A1-A11, Ostrava.
- KÜHNER R. and ROMAGNESI H. (1953): Flore analytique des champignons supérieurs. – 557 p. Paris.
- LANGE J. E. (1915): Studies in the Agarics of Denmark. Part II. *Amanita. Lepiota. Coprinus*. – Dansk Bot. Ark. 2(3): 13–31 et tab. I–II.
- LANGE J. E. (1923): Studies in the Agarics of Denmark. Part V. Ecological notes. The *Hygrophorei. Stropharia* and *Hypholoma*. Supplementary notes to parts I–III. – Dansk Bot. Ark. 4(4): 47–50 et tab. I–II.
- LANGE J. E. (1935–1940): Flora agaricina danica. Vol. 1–5. – Copenhagen.
- LANGE J. E. (1938): Studies in the Agarics of Denmark. Part XII. *Hebeloma, Naucoria, Tubaria, Galera, Bolbitius, Pluteolus, Crepidotus, Pseudopaxillus, Paxillus*. Additional descriptions and supplementary notes to part I–XI. – Dansk Bot. Ark. 9(6): 60–67.
- LASCH W. G. (1828): Enumeratio Agaricorum Marchiae Brandenburgicae, nondum in Floris nostratibus nominatorum, cum observationibus in cognitos et novorum descriptionibus. – Linnaea 3: 153–162.
- LASCH W. G. (1829): Enumeratio Hymenomycetum pileatorum Marchiae Brandenburgicae, nondum in Floris nostratibus nominatorum, cum observationibus in cognitos et novorum descriptionibus. – Linnaea 4: 518–553.
- LAZEBNÍČEK J. (1989): Ing. Jan Kuthan – šedesátiletý. – Čes. Mykol. 43(2): 115–121.
- LAZEBNÍČEK J. (1999): Professor RNDr. Bronislav Hlůza, CSc. – 70 years. – Czech Mycol. 52(1): 89–91.
- LAWRENCE G. H. M. et al. (eds.) (1968): Botanico-Periodicum-Huntianum. – 1063 p. Pittsburgh.
- LOCQUIN M. (1944): Notes sur les Lépiotes (I). – Bull. Soc. Mycol. France 60: 38–42.
- LOCQUIN M. (1945d): Notes sur les Lépiotes (II). – Bull. Soc. Linn. Lyon 14: 44–63, 82–100.
- LOCQUIN M. (1946): Notes sur les Lépiotes III. Synonymie des espèces figurées dans la Flora Agaricina Danica de Lange. – Bull. Soc. Linn. Lyon 15(3): 17–18.
- MALENÇON G. and BERTAULT R. (1970): Flore des Champignons Supérieurs du Maroc. – 601 p. Rabat.
- ORTON P. D. (1960): New check list of British Agarics and Boleti. Part III. Notes on genera and species in the list. – Trans. Br. Mycol. Soc. 43(2): 285.
- PECK C. H. (1903): New species of Fungi. – Bull. Torrey Bot. Club 30: 95.
- PAPOUŠEK T. (ed.) (2004): Velký fotoatlas hub z jižních Čech. – 819 p. České Budějovice.
- PERSOON C. H. (1797): Tentamen dispositionis methodicae Fungorum in classes, ordines, genera et familias. Cum supplemento adjecto. – 76 p. Lipsiae.
- PERSOON C. H. (1801): Synopsis Methodica Fungorum. – 706 p. Göttingen.
- PILÁT A. (1948): Velenovskýi species novae Basidiomycetum quas in opere “České houby”, annis 1920–22 in lingua bohémica edito, descripsit. – Opera Bot. Čech. 6: 1–301.
- PILÁT A. (1952): Klíč k určování našich hub hřibovitých a bedlovitých. – 772 p. Praha (“1951”).
- PILÁT A. (1953): Hymenomycetes novi vel minus cogniti Českoslovakiae II. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B) vol. 9, no. 2: 1–109.
- PILÁT A. (1955): Hymenomycetes novi vel minus cogniti Českoslovakiae III. – Sborn. Nár. Mus. v Praze, Řada B, Přír. Vědy (Acta Musei Nationalis Pragae, Ser. B), vol. 11, no. 2: 1–32.
- PILÁT A. (1969): Houby Československa ve svém životním prostředí. – 264 p. Praha.
- PILÁT A. (1972): Skleníková bedla: bedla žlutá – *Lepiota lutea* (Sow. ex Secr.) Godfrin. – Živa 20(1): 20.
- PILÁT A. and UŠÁK O. (1952): Naše houby. – 335 p. Praha.
- PILÁT A. and UŠÁK O. (1959): Naše houby II. Kritické druhy našich hub. – 345 p. Praha.
- POUZAR Z. (1966): Inž. Zdeněk Schaefer šedesátníkem. – Čes. Mykol. 20(4): 244–247.
- POUZAR Z. (1987): RNDr. František Kotlaba, CSc., šedesátníkem. – Čes. Mykol. 41(3): 172–184.
- POUZAR Z. (1997): Dr. František Kotlaba septuagenarian. – Czech Mykol. 50(2): 143–150.
- POUZAR Z. and URBAN Z. (1985): RNDr. Mirko Svrček, CSc., šedesátníkem. – Čes. Mykol. 39(4): 243–249.
- QUÉLET L. (1872): Les Champignons du Jura et des Vosges. – Mém. Soc. Émul. Montbéliard, sér. II, 5: 43–332.

- QUÉLET L. (1873): Les Champignons du Jura et des Vosges. II^e Partie. I. Hyméniés (2^e supplément). II. Péridiés. III. Cupulés. – Mém. Soc. Émul. Montbéliard, sér. II, 5: 333–427.
- QUÉLET L. (1879): Diagnoses nouvelles de quelques espèces critiques de Champignons. – Bull. Soc. Bot. France 26: 45–54.
- QUÉLET L. (1881): Quelques espèces critiques ou nouvelles de la Flore Mycologique de France. – C. R. Ass. Franç. Av. Sci. 9: 661–675 (“1880”).
- QUÉLET L. (1885): Quelques espèces critiques ou nouvelles de la Flore Mycologique de France. – C. R. Ass. Franç. Av. Sci. 13: 277–286 (“1884”).
- QUÉLET L. (1898): Quelques espèces critiques ou nouvelles de la Flore Mycologique de France. – C. R. Ass. Franç. Av. Sci. 26(2): 446–453 (“1897”).
- QUÉLET L. (1886): Enchiridion fungorum. – 352 p. Paris.
- QUÉLET L. (1888): Flore mycologique de la France et des pays limitrophes. – 492 p. Paris.
- QUÉLET L. et BATAILLE F. (1902): Flore monographique des Amanites et des Lépiotes. – 88 p. Paris.
- RABENHORST L. (1887): Fungi Europaei exsiccati. – Hedwigia 6(3): 45–48.
- REA C. (1922): British Basidiomycetae. – 799 p. Cambridge.
- REID D. A. (1958): New or interesting records of British Hymenomycetes. II. – Trans. Brit. Mycol. Soc. 41(4): 419–445.
- RICKEN A. (1915): Die Blätterpilze (*Agaricaceae*). Deutschlands und der angrenzenden Länder, besonders Oesterreichs und der Schweiz. – 480 p. Leipzig.
- ROMAGNESI H. and LOCQUIN M. (1944): Notes sur quelques espèces rares de *Lepiota*. – Bull. Soc. Mycol. France 60: 52–59.
- SACCARDO P. A. (1887): Sylloge fungorum omnium hucusque cognitorum. Vol. 5. – p. 27–73. Padua.
- SACCARDO P. A. (1891): Sylloge fungorum omnium hucusque cognitorum. Vol. 9. – p. 3–11. Padua.
- SARTORY A. and MAIRE L. (1924): Champignons Tchécoslovaques. Espèces nouvelles du genre *Lepiota* décrites par Velenovsky. – Ann. Soc. Linn. Lyon. 71: 45–56.
- SCHAEFFER J. C. (1762): Fungorum qui in Bavaria et Palatinatu circa Ratisbonam nascuntur icones nativis coloribus expressae. Vol. 1. – Regensburg.
- SCHULZER S. (1885): Einige neue Pilz-Species und Varietäten aus Slavonien. – Hedwigia 24(4): 129–151.
- SCHWALB K. (1891): Das Buch der Pilze. – 218 p., tab. 1–18. Wien.
- SCOPOLI J. A. (1872): Flora Carniolica. Vol. 2. – 496 p. Vienna.
- SKALICKÝ V. and HOLUB J. (1979): Seznam vybraných botanických periodik a jejich zkratk. – Zpr. Čs. Bot. Společ., suppl. 1979(1): 1–121.
- SMITH A. H. and SINGER R. (1948): Notes on the genus *Cystoderma*. – Mycologia 40: 454–460.
- STAFLEU F. A. and COWAN R. S. (1976–1988): Taxonomic Literature. A selective guide to botanical publications and collections with data, commentaries and types. (2nd ed.). – Bohn, Scheltema and Holkema, Utrecht.
- STAFLEU F. A. and MENNEGA E. A. (1992–1998): Taxonomic Literature. A selective guide to botanical publications and collections with data, commentaries and types. 2nd enlarged edition. Supplements 1–5. – Königstein.
- SVRČEK M. (1985): Mykoflora Prahy a nejbližšího okolí. – Natura Pragensis. Studie o přírodě Prahy, Praha, 4: 1–83.
- SVRČEK M. (1986): K sedmdesátinám MUDr. Josefa Herinka. – Čes. Mykol. 40(2): 101–104.
- SVRČEK M. (2000): Nové a vzácné lupenaté houby (*Agaricales*) z jižních Čech VI. – Sborn. Jihočes. Muzea České Budějovice – Přír. Vědy. 40: 23–31.
- ŠEBEK S. (1986): Houby některých nelesních stanovišť ve středním Polabí. – In: Kuthan J. (ed.), Houby nelesních stanovišť ČSSR: písky, stepi, černavy, p. 7–13, Praha.
- URBAN Z. and PRÁŠIL K. (1996): To the 70th birthday of RNDr. Mirko Svrček, CSc. – Czech Mycol. 49(1): 53–58.
- VELENOVSKÝ J. (1920–1922): České houby. Vol. 1–5. – 950 p. Praha.
- VELENOVSKÝ J. (1940): Novitates mycologicae. – 211 p. Praha (“1939”).
- VELENOVSKÝ J. (1947): Novitates mycologicae novissimae. – 158 p. Praha.

- VELLINGA E. C. (1992): Notulae ad floram agaricinam neerlandicam – XVIII. Some notes on *Cystolepiota* and *Lepiota*. – *Persoonia* 14: 407–415.
- VELLINGA E. C. (2000): Notulae ad floram agaricinam neerlandicam – XXXVIII. *Leucoagaricus* subgenus *Sericeomyces*. – *Persoonia* 17(3): 473–480.
- VELLINGA E. C. (2001): *Macrolepiota* Sing., *Leucocoprinus* Pat., *Leucoagaricus* (Locq. ex) Sing., *Lepiota* (Pers.: Fr.) S.F. Gray, *Cystolepiota* Sing., *Melanophyllum* Velen. – In: Noordeloos M.E., Kuyper T.W. and Vellinga E.C., Flora agaricina neerlandica, vol. 5: 64–162, Rotterdam.
- VELLINGA E. C. (2002): New combinations in *Chlorophyllum*. – *Mycotaxon* 83: 415–417.
- VELLINGA E. C. et DE KOK R. P. J. (2002b): Proposal to conserve the name *Chlorophyllum* Masee against *Endoptychum* Czern. (*Agaricaceae*). – *Taxon* 51: 563–564.
- VELLINGA E. C. (2003): Type studies in *Agaricaceae* – *Chlorophyllum rachodes* and allies. – *Mycotaxon* 85: 259–270.
- VELLINGA E. C. (2003b): Notes on *Chlorophyllum* and *Macrolepiota* (*Agaricaceae*) in Australia. – *Australian Systematic Botany* 16: 361–370.
- VELLINGA E. C. (2004): Nomenclatural overview of Lepiotaceous fungi. Version 1.0.
- VELLINGA E. C. (2006): Nomenclatural overview of Lepiotaceous fungi. Version 2.1. Internet version: http://plantbio.berkeley.edu/~bruns/ftp/vellinga_nomencl_feb2006.pdf
- VELLINGA E. C. and HULSER H. A. (1993): Notulae ad floram agaricinam neerlandicam – XXI. *Lepiota* section *Stenosporae*. – *Persoonia* 15(2): 223–240.
- VELLINGA E. C. and HUIJSER H. A. (1998): Notes on *Cystolepiota*: sections *Cystolepiota* and *Pulverolepiota*. – *Persoonia* 16(4): 513–526.
- VELLINGA E. C., DE KOK R. P. J. and BRUNS T. D. (2003): Phylogeny and taxonomy of *Macrolepiota* (*Agaricaceae*). – *Mycologia* 95(3): 442–456.
- VESELÝ R., KOTLABA F. and POUZAR Z. (1972): Přehled československých hub. – 421 p. Praha.
- WASSER S. P. (1978): Novi taksonomični kombinaciji ta novi taksoni v rodini *Agaricaceae* Fr. – *Ukr. Bot. Journal* 35(5): 516–518.