

***Basidiomycetes* inhabiting the ornamental tree *Catalpa* (Bignoniaceae)**

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Abstract: Attention is paid to all basidiomycetous species hitherto known to occur on *Catalpa* as host plant. During 1955-1997 more than 20 new fungus-host associations from diverse species of *Catalpa* grown in Europe could be found by the author.

Zusammenfassung: Basidiomyzeten, die bisher von *Catalpa* als Wirtspflanze bekannt sind, werden aufgeführt. Dem Autor gelang es, 1955-1997 mehr als zwanzig neue Pilz-Wirt-Assoziationen von verschiedenen in Europa angepflanzten *Catalpa*-Arten zu finden.

Catalpa SCOP. (Bignoniaceae), called cigar-tree in the USA, a genus native to the United States of America [Southern *Catalpa* = *C. bignonioides* WALTER, Hardy *Catalpa* = *C. speciosa* (WARDER ex BARNEY) ENGELM.], West Indies and/or China. Common species of the genus are favoured as ornamental trees due to their showy panicles of flowers and long cigar-like pendent capsular fruits as well. In Europe, species of *Catalpa* are often cultivated as park- and street-trees.

OUDEMANS (1923) mentioned only four species of *Basidiomycetes* for *Catalpa*, i.e., *Polyporus distortus* (= *Abortiporus biennis*), *Pistillaria mucedina*, *Pistillaria mucoroides*, and *Polyporus distinctus* (nomen dubium). Six further basidiomycetous species collected on *Catalpa* were listed in the next host index by SEYMOUR (1929): *Exidia saccharina*, *Polyporus adustus* (= *Bjerkandera adusta*), *Schizophyllum commune*, *Stereum albobadium* (= *Dendrophora albobadia*), *Stereum versicolor*, and *Trametes sepium* (= *Antrodia albidia*). In her checklist of parasitic and saprophytic fungi BONTEA (1985) quoted with reference to PETRESCU (1962) only one basidiomycete (*Trametes versicolor*) for *Catalpa* (*C. bignonioides*) in Romania. A comparatively higher number, namely 12, of *Basidiomycetes* occurring on *Catalpa* in the USA appear in the recent index by FARR & al. (1989).

The present paper alphabetically lists all *Basidiomycetes* hitherto known on *Catalpa* as host plant. Special attention is paid herein to the collections and new observations of the author. New records for the host are marked by an asterisk. Specimens are preserved chiefly in PRM.

List of species

***Abortiporus biennis* (BULL.: FR.) SINGER**

≡ *Heteroporus biennis* (BULL.: FR.) LÁZARO

= *Abortiporus distortus* (SCHWEIN.: FR.) MURRILL

USA: reported from *C. bignonioides* (OUDEMANS 1923; PACLT 1946, 1951; GILBERTSON & RYVARDEN 1986). No record of this fungus for *Catalpa* is found in the US check-list by FARR & al. (1989)!

***Antrodia albida* (FR.: FR.) DONK**

≡ *Trametes albida* (FR.: FR.) BOURD. & GALZ.

= *Trametes sepium* BERK.

USA: listed for *Catalpa* (SEYMOUR 1929; PACLT 1946, 1951; ANONYMOUS 1960; GILBERTSON & RYVARDEN 1986; FARR & al. 1989).

***Armillaria mellea* (VAHL.: FR.) P. KUMM.**

USA: listed for catalpas by WESTCOTT (1950) in her plant disease handbook. The occurrence of *A. mellea* and its possible ecotypes in the USA was outlined for *Catalpa* and other host plants by FARR & al. (1989). Noted on *C. bignonioides* in California (RAABE 1967) and on *C. speciosa* in Washington State (ANONYMOUS 1960, HEPTING 1971, SHAW 1973).

***Athelia rolfsii* (CURZI) TU & KIMBR.**

≡ *Corticium rolfsii* CURZI

≡ *Pellicularia rolfsii* (CURZI) E. WEST

USA: listed for catalpas in its sclerotium-forming stage (*Sclerotium rolfsii* SACC.) (WESTCOTT 1950, ANONYMOUS 1960, FARR & al. 1989).

China: imperfect stage also noted on Chinese *Catalpa* species (CHEN 2002).

Athelia spec.

SW Slovakia: Topolčianky (near Zlaté Moravce), park around the castle, on humid and densely covered trunks of *C. bignonioides* cv. *nana*, 9. 8. 1974, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR. Possibly a new record for *Catalpa* as host plant.

***Bjerkandera adusta* (WILLD.: FR.) P. KARST.**

≡ *Gloeoporus adustus* (WILLD.: FR.) PILÁT

≡ *Tyromyces adustus* (WILLD.: FR.) MAIRE apud MAIRE & WERNER

Czech Republic: Praha, on *C. bignonioides*, PACLT (1947, 1951); - Bohemia, Hradec Králové, on *C. bignonioides*, PACLT (1947, 1951); - Bohemia, Plzeň, Sady 5. května, on living trunk of *C. speciosa*, 16. 4. 1975, leg. J. PACLT, det. F. KOTLABA; - Moravia, Kroměříž, on *Catalpa spec.*, before 1971, J. PACLT. - Moravia, Kyjov (near Hodonín), on stump of removed *Catalpa* tree, 23. 12. 1990, leg. J. PACLT, det. F. KOTLABA.

USA: reported also from *Catalpa spec.* (SEYMOUR 1929, PACLT 1946, 1951) and *C. speciosa* (ANONYMOUS 1960, FARR & al. 1989).

***Cerrena unicolor* (BULL.: FR.) MURRILL**

≡ *Trametes unicolor* (BULL.: FR.) PILÁT

≡ *Polystictus unicolor* (BULL.: FR.) LLOYD

Czech Republic: Moravia, Brno, on *C. bignonioides*, PACLT (1946, 1951).

NE China: on *Catalpa spec.* in two provinces: Jilin and Heilongjiang (TAI 1979). Most recently listed in the compendium of Chinese fungi by TENG (1996).

****Chondrostereum purpureum* (PERS.: FR.) POUZAR**

SW Slovakia: Bratislava, Petržalka, park J. Král'a, on stump of removed *C. speciosa*

tree, 11.-12. 9. 1993, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR.

****Coniophora arida* (FR.) P. KARST.**

W Slovakia: Topol'čany, on stump of removed *C. bignonioides*, 15. 11. 1974, leg. J. PACLT, det. F. KOTLABA, PRM 768628.

***Coprinus micaceus* (BULL.: FR.) FR.**

Czech Republic: Praha, on *C. erubescens* CARRIÈRE, PACLT (1951); - Moravia, Brno, on *C. bignonioides*, PACLT (1946); - Moravia, Přerov, on *C. bignonioides*, PACLT (1951).

SW Slovakia: Piešť'any, on *C. bignonioides*, PACLT (1951).

***Coriolopsis gallica* (FR.: FR.) RYVARDEN**

≡ *Trametes gallica* FR.: FR.

= *Trametella extenuata* (DURIEU & MONT.) DOMAŇSKI

≡ *Trametella gallica* (FR.) TEIXEIRA

SW Slovakia: Rakovice (near Piešť'any), horticultural park, on *C. bignonioides*, 24. 5. 1971, leg. J. PACLT, det. F. KOTLABA.

Catalpa bignonioides is listed as new host plant for *Trametes gallica* by KOTLABA (1984) solely on basis of the above specimen.

***Dacrymyces stillatus* (NEES) FR.**

= *Dacrymyces deliquescens* (BULL.) DUBY, nom. dub.

Czech Republic: Praha, on *C. bignonioides*, PACLT (1946, 1951).

***Dendrophora albobadia* (SCHWEIN.: FR.) CHAMURIS**

≡ *Stereum albobadium* (SCHWEIN.: FR.) FR.

≡ *Peniophora albobadia* (SCHWEIN.: FR.) BOIDIN

USA: on catalpas (SEYMOUR 1929, ANONYMOUS 1960, FARR & al. 1989).

***Dendrophora erumpens* (BURT) CHAMURIS**

≡ *Stereum erumpens* BURT

≡ *Peniophora erumpens* (BURT) BOIDIN

USA: on *C. bignonioides*, Rhode Island (CHAMURIS 1988, FARR & al. 1989).

***Exidia saccharina* FR.**

USA: on *Catalpa* (SEYMOUR 1929; PACLT 1946, 1951). No record of this fungus is found in the United States checklist by FARR & al. (1989)!

***Flammulina velutipes* (CURTIS: FR.) SINGER**

E Slovakia : Košice, sad gen. Petrova, on trunk of living *C. speciosa*, 7. 11. 1977, leg. J. PACLT.

SW Slovakia: Bratislava, Petržalka, park J. Král'a, on stump of removed *C. speciosa* tree, 11.-12. 9. 1993, leg. J. PACLT, det. F. KOTLABA.

Czech Republic: Moravia, Kyjov (near Hodonín), on stump of removed *Catalpa* tree, 23. 12. 1990, leg. J. PACLT, det. F. KOTLABA.

USA: on *Catalpa* (ANONYMOUS 1926; PACLT 1946, 1951; FARR & al. 1989). The find in Indiana State belongs to *C. speciosa* as host plant (ANONYMOUS 1960).

Ganoderma australe* (FR.) PAT.**= *Ganoderma adpersum* (SCHULZER) DONK**Netherlands (?)**: on catalpas (KEIZER 2005).*Gloiothele lactescens* (BERK.) HJORTSTAM**≡ *Gloeocystidiellum lactescens* (BERK.) BOIDIN**S Slovakia**: Nové Zámky, little park in front of Latin school, on living *C. erubescens* tree, 3. 11. 1980, leg. J. PACLT, det. Z. POUZAR.****Haplotrichum capitatum* LINK****C Slovakia**: Zvolen, on living trunk of *C. speciosa*, 18. 6.1975, leg. J. PACLT, det. F. KOTLABA.Imperfect stage of *Botryobasidium candicans* J. ERIKSS.***Helicobasidium brebissonii* (DESM.) DONK**= *Helicobasidium purpureum* PAT.**USA**: listed for catalpas as teleomorph by WESTCOTT (1950). Noted also for *Catalpa* spec. in its anamorphic, sclerotium-forming stage [*Rhizoctonia crocorum* (PERS.: FR.) DC.] from Ohio (ANONYMOUS 1960, HEPTING 1971, FARR & al. 1989), the pathogen of the disease being known as Violet Root Rot.***Heterobasidion annosum* (FR.: FR.) BREF.**≡ *Fomes annosus* (FR.: FR.) COOKE= *Trametes radiciperda* HARTIG**Czech Republic**: Moravia, Kroměříž, on *C. bignonioides*; PACLT (1961); - Moravia, Kyjov (near Hodonín), on living trunk of *C. speciosa*, 23. 10. 1975, leg. J. PACLT, det. F. KOTLABA.*Heterobasidion annosum* listed by OUDEMANS (1923) as *Polyporus distinctus* SCHWEIN. from roots ("radix") of *C. bignonioides* in Carolina is unknown to FARR & al. (1989) and others. For the nomenclature of *Heterobasidion annosum* see DONK (1960).***Hohenbuehelia nigra* (SCHWEIN.: FR.) SINGER**≡ *Pleurotus niger* (SCHWEIN.: FR.) SACC.**USA**: restricted to the temperate North America and noted from *C. bignonioides* in Georgia (HANLIN 1966, FARR & al. 1989).****Hyphoderma praetermissum* (P. KARST.) J. ERIKSS.**≡ *Peniophora praetermissa* P. KARST.= *Hyphoderma tenue* (PAT.) DONK= *Corticium tenue* PAT.**Czech Republic**: Moravia, Násedlovice (near Hodonín), on *C. bignonioides*, 17. 10. 1975, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR.**Hungary**: Debrecen, on *C. bignonioides*, 5. 7. 1974, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR.****Hyphodontia arguta* (FR.) J. ERIKSS.**≡ *Grandinia arguta* (FR.) JÜLICH≡ *Odontia arguta* (FR.) QUÉL.

Czech Republic: Moravia, Lednice (near Břeclav), on living *C. bignonioides*, 11. 10. 1971, leg. J. PACLT, det. Z. POUZAR; - Moravia, Luhačovice, on trunk of living *C. bignonioides*, 16. 10. 1975, leg. J. PACLT, det. Z. POUZAR.

SW Slovakia: Piešťany, on *C. bignonioides*, 30. 8. 1991 and 9. 9. 1997, both samples leg. J. PACLT, det. F. KOTLABA.

****Hypochnicium bombycinum* (SOMMERF.: FR.) J. ERIKSS.**

Czech Republic: Moravia, Hodonín, hospital area, on living *C. bignonioides*, 23. 10. 1975, leg. J. PACLT, det. F. KOTLABA.

***Irpex lacteus* (FR.: FR.) FR.**

= *Polyporus tulipiferae* (SCHWEIN.) OVERH.

Canada: on *Catalpa* spec.; GINNS (1986).

****Laetiporus sulphureus* (BULL.: FR.) MURRILL**

Czech Republic: Moravia, Židlochovice, castle area, on living *C. bignonioides*, 7. 9. 1976, leg. J. PACLT, det. F. KOTLABA.

Only one decomposed basidiocarp was available for determination. The occurrence of this common fungus on *Catalpa* seems to be exceptional.

****Leucogyrophana* spec.**

W Slovakia: Nové Mesto nad Váhom, on living *C. speciosa*, 26. 4. 1988, leg. J. PACLT, det. F. KOTLABA.

***Mycena galericulata* (SCOP.: FR.) S. F. GRAY**

SW Slovakia: Piešťany, on *C. bignonioides*, 7. 11. 1972, leg. J. PACLT.

Hungary: Debrecen, on *C. bignonioides*, 4. 7. 1974, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR.

Czech Republic: Moravia, Lednice (near Břeclav), on *C. bignonioides*, 11. 10. 1971, J. PACLT; - Moravia, Kroměříž, Podzámecká zahrada, on *C. bignonioides*, 1. 9. 1976, 22. 9. 1986 and 2. 10. 1988, J. PACLT, PRM 802575, 842607, 865118; - Moravia, Židlochovice, castle area, on living *C. bignonioides*, 30. 7. 1979, J. PACLT.

Early records of this fungus on *Catalpa bignonioides* included two Bohemian localities: Praha (PACLT 1943, 1946) and Turnov (PACLT 1951).

***Oligoporus balsameus* (PECK) GILB. & RYVARDEN**

≡ *Postia balsamea* (PECK) JÜLICH

= *Tyromyces kymatodes* DONK

W Slovakia: Topolčany, on stump of removed *C. bignonioides*, 15. 11. 1974, leg. J. PACLT, det. F. KOTLABA, PRM 768969.

Czech Republic: Bohemia, Poděbrady, on living *C. bignonioides*, 14. 9. 1988, leg. J. PACLT, det. F. KOTLABA, PRM 865080; - Moravia, Strážnice (near Hodonín), park around the castle, on living *C. bignonioides*, 18. 3. 1976 (PRM 796418) and 15. 4. 1989, leg. J. PACLT, det. F. KOTLABA; - Moravia, Kroměříž, Podzámecká zahrada, on *C. bignonioides*, 22. 9. 1986, 2. 10. 1988 and 15. 11. 1991, leg. J. PACLT, det. F. KOTLABA, PRM 842584, 869325.

Catalpa bignonioides is listed as new host plant by KOTLABA (1984) solely on basis of the above specimens.

GILBERTSON & RYVARDEN (1987) rejected *Postia* Fr. 1856 as a nomen nudum and *Postia* KARSTEN 1881 as a later homonym of *Postia* BOISS. & BLANCH. 1875 (*Saxifragaceae*). According to JÜLICH (1984) and FARR & al. (1989), *Postia* Fr., however of 1874, would be the oldest generic name for the species causing a brown rot and having a monomitic hyphal system "with clamped generative hyphae".

Polyporus catalpae is a possible synonym either of *Oligoporus balsameus* or *Phellinus gilvus*.

***Peniophora cinerea* (PERS.: FR.) COOKE**

Czech Republic: Praha, on *C. bignonioides*; PACLT (1946, 1951); - Bohemia, Libochovice, on *C. speciosa*; PACLT (1948, 1951).

SW Slovakia: Hlohovec (near Trnava), on living *C. bignonioides*, 17. 7. 1989, leg. J. PACLT, det. F. KOTLABA.

****Peniophora incarnata* (PERS.: FR.) P. KARST.**

S Slovakia: Marcelová (near Komárno), on *C. bignonioides*, 16. 7. 1973, leg. J. PACLT, det. Z. POUZAR.

SW Slovakia: Zlaté Moravce, on *C. speciosa*, 18. 6. 1975, leg. J. PACLT, det. F. KOTLABA.

C Slovakia: Handlová (near Prievidza), on *C. erubescens*, 14. 11. 1974, leg. J. PACLT, det. F. KOTLABA.

****Peniophora lycii* (PERS.) HÖHN. & LITSCH.**

Czech Republic: Moravia, Slavkov u Brna, on living *C. bignonioides*, 21. 8. 1966, leg. J. PACLT, det. F. KOTLABA; - Moravia, Vizovice, on dead twigs of living *C. speciosa*, 18. 9. 1975, leg. J. PACLT, det. Z. POUZAR; - Brno, on living trunk of *C. speciosa*, 3. 11. 1975, leg. J. PACLT, det. Z. POUZAR.

W Slovakia: Ilava, Klobošice, on wood of living *C. erubescens*, 30. 5. 1975, J. PACLT.

SW Slovakia: Piešťany, on living *C. bignonioides*; 31. 5. 1975, leg. J. PACLT, det. Z. POUZAR, PRM 873047; Trnava, on stump of removed *C. erubescens*, 12. 8. 1979, leg. J. PACLT, det. Z. POUZAR, PRM 821814.

Hungary: Debrecen, on living *C. bignonioides*, 5. 7. 1974, leg. J. PACLT, det. Z. POUZAR, PRM 741804.

****Peniophora violaceolivida* (SOMMERF.) MASSEE**

SW Slovakia: Hlohovec (near Trnava), on *C. bignonioides*, 3. 12. 1975, leg. J. PACLT, det. Z. POUZAR, PRM 796406.

****Perenniporia medulla-panis* (JACQ.: FR.) DONK**

= *Poria medullaris* S. F. GRAY

Czech Republic: Moravia, Lednice (near Břeclav), on living *C. bignonioides*, 16. 6. 1955, leg. J. PACLT, det. F. KOTLABA, PRM 809625.

***Phanerochaete sordida* (P. KARST.) J. ERIKSS. & RYVARDEN**

= *Corticium cremeum* BRES.

= *Peniophora cremea* (BRES.) SACC. & SYD.

Czech Republic: Praha, on *C. bignonioides*; PACLT (1946, 1951).

***Phellinus conchatus* (PERS.: FR.) QUÉL.**

Czech Republic: Moravia, Lednice (near Břeclav), on living *C. bignonioides*, 7. 8. 1969, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR, PRM 678855; - - 11. 10. 1971, leg. J. PACLT, det. F. KOTLABA, PRM 715636.

Catalpa bignonioides is listed as new host plant for *Phellinus conchatus* by KOTLABA (1984) solely on basis of the above specimens.

***Phellinus contiguus* (PERS.: FR.) PAT.**

SW Slovakia: Piešťany, on a decorticated part of the trunk of a living *C. bignonioides*, 31. 7. 1972, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR, PRM 718063.

Catalpa bignonioides is listed as a new host plant for *Phellinus contiguus* by KOTLABA (1984) solely on basis of the above specimen.

***Phellinus gilvus* (SCHWEIN.: FR.) PAT.**

USA: on catalpas (GILBERTSON & RYVARDEN 1987). Causing a uniform white rot of dead wood of hardwoods and a heart rot of living trees. *Polyporus catalpae* SCHRENK 1902 possibly is a synonym either of *Phellinus gilvus* or *Oligoporus balsameus*.

***Phellinus punctatus* (FR.) PILÁT**

≡ *Poria punctata* (FR.) P. KARST.

Czech Republik: Moravia, Lednice (near Břeclav), on living *C. bignonioides*, 1. 10. 1971, leg. J. PACLT, det. F. KOTLABA.

First reported for *Catalpa* by KOTLABA (1984) based on this specimen from Lednice.

***Pholiota squarrosa* (BATSCH: FR.) P. KUMM.**

Czech Republic: Praha, on *C. bignonioides* cv. *aurea*, PACLT (1946, 1951); - Moravia, Brno, on *C. bignonioides*, PACLT (1946, 1951).

W Slovakia: Topolčany, on *C. bignonioides*, 15. 11. 1974, J. PACLT.

****Pholiota spec.***

Czech Republic: Moravia, Brno, town park Lužánky, on *C. speciosa*, 24. 11. 1992, leg. J. PACLT, det. F. KOTLABA. A species of *Pholiota* different from *P. squarrosa*.

***Pistillaria mucedina* BOUD.**

Listed by OUDEMANS (1923) from the bark ("cortex") of *C. bignonioides*.

***Pistillaria mucoroides* BOUD.**

Listed by OUDEMANS (1923) from the bark ("cortex") of *C. bignonioides*.

***Pluteus cervinus* (SCHAEFF.: FR.) P. KUMM.**

= *Pluteus atricapillus* (BATSCH: FR.) FAYOD

Czech Republic: Praha, on *C. bignonioides*; PACLT (1951).

****Pluteus nanus* (PERS.: FR.) P. KUMM.**

SW Slovakia: Bratislava, Petržalka, park J. Král'a, on stump of removed *C. speciosa* tree, 11.-12. 9. 1993, leg. J. PACLT, det. F. KOTLABA.

***Polyporus catalpae* SCHRENK**

USA: described as causing a brown butt rot (named also heart rot) in living trees of Hardy *Catalpa* (*C. speciosa*) (SCHRENK 1902). Listed, however, as *P. catalpae* HEDG-COOK by MÜNCH (1932: 373). Within N American polypores the same type of rot in living trees is known in *Oligoporus balsameus* and *Phellinus gilvus*.

***Prosopidium spec.* (Pucciniaceae)**

Santo Domingo: on the West Indian *Catalpa longissima* (JACQ.) DUMONT-COURSET; GÓMEZ MENOR (1935).

****Psathyrella spec.***

SW Slovakia: Bratislava, Petržalka, park J. Král'a, on stump of removed *C. speciosa* tree, 11.-12. 9. 1993, leg. J. PACLT, det. F. KOTLABA.

***Radulomyces confluens* (FR.: FR.) M. P. CHRIST.**

≡ *Cerocorticium confluens* (FR.: FR.) JÜLICH & STALPERS

Czech Republic: Bohemia, Libochovice, on *C. speciosa*, PACLT (1948, 1951); - Bohemia, Liberec, on *C. ovata* G. DON, 11. 9. 1979, J. PACLT; - Moravia, Břeclav, on *C. bignonioides*, 26. 2. 1976, J. PACLT; - Moravia, Kroměříž, Květná zahrada, on stump of removed *C. bignonioides* tree, 18. 11. 1991, leg. J. PACLT, det. F. KOTLABA.

SW Slovakia: Vráble (near Nitra), on *C. speciosa*, 11. 6. 1974, J. PACLT; - Bratislava, Staré Mesto, Medická zahrada, on *C. bignonioides*, 5. 3. 1975 and 1. 4. 1976, on dead *C. erubescens*, 23. 6. 1979, J. PACLT; - Hlohovec (near Trnava), on *C. speciosa*, 18. 7. 1981 and 24. 4. 1992, leg. J. PACLT, det. F. KOTLABA; - Ivanka p. D. (near Bratislava), park around the castle, on dead twig of living *C. erubescens* tree, 24. 9. 1983, leg. J. PACLT, det. F. KOTLABA; - Bratislava, Staré Mesto, Medická zahrada, on living *C. bignonioides*, 5. 3. 1995, leg. J. PACLT, det. Z. POUZAR, PRM 873041.

S Slovakia: Nové Zámky, on *C. bignonioides*, 12. 5. 1975, J. PACLT; - Komárno, on *C. speciosa*, 31. 8. 1988, leg. J. PACLT, det. F. KOTLABA.

W Slovakia: Nové Mesto nad Váhom, on *Catalpa spec.*, 6. 6. 1975, J. PACLT.

C Slovakia: Zvolen, on *C. bignonioides*, 18. 6. 1975, J. PACLT.

Hungary: Nyíregyháza, on *C. bignonioides*, 2. 7. 1974, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR.

Ukraine: Užhorod, on *C. bignonioides*, 21. 4. 1993, leg. J. PACLT, det. F. KOTLABA.

****Rigidoporus spec.***

Czech Republic: Moravia, Kroměříž, Podzámecká zahrada, on living *C. bignonioides*, 22. 9. 1986, leg. J. PACLT, det. F. KOTLABA.

***Schizophyllum commune* FR.: FR.**

SW Slovakia: Bratislava, Staré Mesto, Mlynská dolina, on dieback-diseased trees of *C. bignonioides*, 1953-1954, J. PACLT.

S Slovakia: Nové Zámky, on *C. bignonioides*, autumn 1950 and 17. 7. 1973, J. PACLT.

USA: on catalpas (SEYMOUR 1929, ANONYMOUS 1960, FARR & al. 1989).

China: on *C. ovata* (CHEN 2002).

***Schizopora carneolutea* (RODW. & CLEL.) KOTL. & POUZAR**

= *Schizopora phellinoides* (PILÁT) DOMAŇSKI

SW Slovakia: Hlohovec (near Trnava), on living trunk of *C. erubescens*, 8. 10. 1996, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR, PRM 889597.

A first note of this specimen on *Catalpa* was published by KOTLABA (1997 a).

***Schizopora paradoxa* (SCHRAD.: FR.) DONK**

= *Poria versipora* (PERS.) BAXTER

= *Xylodon versiporus* (PERS.) BOUD.

= *Schizopora versipora* (PERS.) TEIXEIRA

Czech Republic: Praha, on *C. bignonioides*, PACLT (1947, 1951); - Moravia, Násedlovice (near Hodonín), on *C. bignonioides*, 17. 10. 1975, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR; - Silesia, Ostrava, Vítkovice, copious on living *C. bignonioides* trees, 25. 10. 1976, leg. J. PACLT, det. F. KOTLABA.

SW Slovakia: Piešťany, on *C. bignonioides*, 7. 11. 1972, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR; - Vráble (near Nitra), on *C. speciosa*, 11. 6. 1974, leg. J. PACLT, det. F. KOTLABA; - Hlohovec (near Trnava), on *C. erubescens*, 15. 7. 1994, leg. J. PACLT, det. F. KOTLABA; - Nitra, on *C. speciosa*, 28. 9. 1981, 27. 7. 1994, leg. J. PACLT, det. F. KOTLABA.

S Slovakia: Marcelová (near Komárno), on *C. bignonioides*, 16. 7. 1973, leg. J. PACLT, det. Z. POUZAR.

***Schizopora radula* (PERS.: FR.) HALLENB.**

Czech Republic: Moravia, Kroměříž, Podzámecká zahrada, on living *Catalpa spec.*, 28. 12. 1990, leg. J. PACLT, det. F. KOTLABA.

C Slovakia: Handlová (near Prievidza), on *C. speciosa*, 17. 8. 1991, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR, PRM 873055.

S Slovakia: Komárno, on *C. bignonioides*, 17. 2. 1992, leg. J. PACLT, det. F. KOTLABA.

SW Slovakia: Hlohovec (near Trnava), on *C. erubescens*, 8. 10. 1996, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR, PRM 889595.

Austria: Wien, Leopoldstadt, Prater, on *C. bignonioides*, 28. 9. 1995, leg. J. PACLT, det. F. KOTLABA, PRM 886009.

Two of the above Slovakian localities of *S. radula* on *Catalpa* were already mentioned by KOTLABA (1997 b).

***Stereum hirsutum* (WILL.: FR.) S. F. GRAY**

Czech Republic: Praha, on *C. bignonioides*, PACLT (1946); - Bohemia, Plzeň, on *C. speciosa*, PACLT (1951).

C Slovakia: Zvolen, on living trunk of *C. speciosa*, 15. 10. 1974 and 18. 6. 1975, J. PACLT.

SW Slovakia: Hlohovec (near Trnava), on *C. bignonioides*, 12. 8. 1979; - on *C. speciosa*, 18. 7. 1981 and 24. 4. 1992, leg. J. PACLT, det. F. KOTLABA; - Pezinok (near Bratislava), Cajla, on living *C. erubescens*, 2. 8. 1995, leg. J. PACLT, det. F. KOTLABA, PRM 886013.

USA: on *Catalpa spec.* (ANONYMOUS 1960, FARR & al. 1989).

****Stereum ochraceoflavum* (SCHWEIN.) ELLIS**

= *Thelephora ramealis* (PERS.: FR.) SCHWEIN.

= *Stereum rameale* (PERS.: FR.) BURT

SW Slovakia: Hlohovec (near Trnava), on living *C. speciosa*, 3. 12. 1975, leg. J. PACLT, det. F. KOTLABA.

***Stereum ostrea* (BLUME & NEES: FR.) FR.**

= *Stereum fasciatum* (SCHWEIN.) FR.

USA: listed for *Catalpa* spec. (ANONYMOUS 1960, FARR & al. 1989).

***Stereum versicolor* (SCHWEIN.: FR.) FR.**

USA: on *Catalpa* spec. (SEYMOUR 1929; PACLT 1946, 1951). This species is not registered in the United States checklist by FARR & al. (1989)!

***Thanatephorus cucumeris* (FRANK) DONK**

Listed for catalpas in its anamorphic, sclerotium-forming stage (*Rhizoctonia solani* KÜHN) (WESTCOTT 1950, ANONYMOUS 1960, ALFIERI & al. 1984, FARR & al. 1989), the pathogen of the Rhizoctonia Blight.

***Trametes hirsuta* (WULFEN: FR.) PILÁT**

Czech Republic: Praha, on *C. bignonioides*, PACLT (1946, 1951); - Bohemia, Plzeň, on *C. ovata*, PACLT (1946, 1951).

SW Slovakia: Bratislava, Staré Mesto, Mlynská dolina, on *C. bignonioides*, accomplishing the succession of the dieback-diseased trees (primary pathogen: *Tubercularia confluens* PERS. ex CORDA), 1957, J. PACLT; - Bratislava, Staré Mesto, on dead *C. erubescens*, 23. 6. 1979, J. PACLT.

C. Slovakia: Handlová (near Prievidza), on living *C. erubescens*, 29. 6. 1977, leg. J. PACLT, det. F. KOTLABA.

USA: on catalpas (MANEVAL 1937, PACLT 1943, GILBERTSON & RYVARDEN 1987); *C. speciosa* being noted by ANONYMOUS (1960) and FARR & al. (1989).

NE China: province Hebei, on *Catalpa* spec. (TAI 1979).

China: on *C. speciosa*, CHEN (2002).

Japan: on *C. speciosa*, KOBAYASHI (2007).

***Trametes versicolor* (L.: FR.) PILÁT**

Czech Republic: Praha, on *C. erubescens*, PACLT (1948); - Bohemia, Plzeň, on *C. bignonioides* cv. *aurea*, PACLT (1948); - Moravia, Kroměříž, Podzámecká zahrada, on *C. bignonioides*, 10. 9. 1959, J. PACLT, PRM 519065; - Lednice (near Břeclav), on *C. bignonioides*, 7. 8. 1969, J. PACLT; - Brno, Palackého tř., vila Marie, on *C. bignonioides*, 27. 10. 1976, J. PACLT; - Šternberk (near Olomouc), on *C. bignonioides*, 29. 11. 1976, J. PACLT; - Moravský Písek (near Břeclav), massive attack on only one of *C. bignonioides* trees, 15. 4. 1994, leg. J. PACLT, det. F. KOTLABA & Z. POUZAR, PRM 882086; - Bohemia, Litomyšl, on *C. speciosa*, 21. 9. 1977, J. PACLT.

E Slovakia: Košice, on *C. speciosa*, 14. 9. 1972 and 11. 11. 1974, J. PACLT.

S Slovakia: Nové Zámky, on *C. bignonioides*, 17. 7. 1973, J. PACLT.

C Slovakia: Zvolen, on *C. speciosa*, 15. 10. 1974, J. PACLT; - Handlová (near Prievidza), on *C. speciosa*, 10. 9. 1987, J. PACLT.

W Slovakia: Trenčín, park gen. M. R. Štefánika, on *C. bignonioides*, 24. 1. 1977, J. PACLT.

SW Slovakia: Rakovice (near Piešťany), horticultural park, on stump of removed *C. bignonioides* tree, 30. 4. 1993, leg. J. PACLT, det. F. KOTLABA, PRM 878593.

Poland: Kórnik (near Poznań), Arboretum Kórnickie, on *C. erubescens* cv. *purpurea*, 1972, leg. H. STRAUS, det. F. KOTLABA.

Ukraine: Crimea, on *C. bignonioides*, DUDKA & al. (2004).

USA: on catalpas (SCHRENK 1902; STEVENS 1912 a, b; PACLT 1946; ANONYMOUS 1960; GILBERTSON & RYVARDEN 1987; FARR & al. 1989; SINCLAIR & LYON 2005).

****Trametes versicolor* f. *pruni-avium* (PILÁT) KOTL.**

≡ *Trametes hirsuta* f. *pruni-avium* PILÁT

Serbia: Beograd, on living *C. speciosa*, 26. 4. 1968, leg. J. PACLT, det. F. KOTLABA.

A peculiar form collected so far on *Prunus avium* and *Malus* as the only known host plants (KOTLABA 1962) prior to the present record. It is characterised by smaller, thick, compact and less coloured basidiocarps.

****Trechispora farinacea* (PERS.: FR.) LIBERTA**

= *Hypochnus sphaerosporus* MAIRE

SW Slovakia: Piešťany, on living *C. bignonioides*, 31. 5. 1975, leg. J. PACLT, det. F. KOTLABA.

****Tulasnella spec.***

W Slovakia: Topol'čany, on stump of removed *C. bignonioides*, 15. 11. 1974, leg. J. PACLT, det. F. KOTLABA, PRM 771813.

Perithecia in fresh state were vividly pink-(rose-)coloured.

****Uthatabasidium fusisporum* (SCHROETER) DONK**

≡ *Hypochnus fusisporus* SCHROETER

C Slovakia: Zvolen, on living trunk of *C. speciosa*, 15. 10. 1974, leg. J. PACLT, det. F. KOTLABA.

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References

- ALFIERI, S. A. Jr., LANGDON, K. R., WEHLBURG, C., KIMBROUGH, J. W., 1984: Index of plant diseases in Florida (revised). – Florida Dept. Agric. Consumer Serv., Div. Pl. Ind. Bull. **11**.
- ANONYMOUS, 1926: List of diseases of economic plants. – Washington D. C.: Dept. Agriculture Bull. **1366**.
- 1960: Index of plant diseases in the United States. – Washington D. C.: Dept. Agriculture, handbook **165**.
- BONTEA, V., 1985: Ciuperci parasite și saprofite din România I. – Bucharest: Editura Academiei Republicii Socialiste România.
- CHAMURIS, G. P., 1988: The nonstipitate stereoid fungi in the northeastern United States and adjacent Canada. – Mycol. Mem. **14**.
- CHEN, M.-M., 2002: Forest fungi phytogeography. Forest fungi phytogeography of China, North America, and Siberia and international quarantine of tree pathogens. – Sacramento, California: Pacific Mushroom Research Center.

- DONK, M. A. 1960: Generic names proposed for *Polyporaceae*. – *Persoonia* **1**: 173-302.
- DUDKA, I. O., HELUTA, V. P., TYKHONENKO, Y. Y., ANDRIANOVA, T. V., HAYOVA, V. P., PRYDIUK, M. P., DZHAGAN, V. V., ISIKOV, V. P., 2004: Fungi of the Crimean Peninsula. – Kyiv: M. G. Kholodny Inst. Bot., Natl. Acad. Sci. Ukraine.
- FARR, D. F., BILLS, G. F., CHAMURIS, G. P., ROSSMAN, A. Y., 1989: Fungi on plants and plant products in the United States. – St. Paul, Minnesota: APS Press.
- GILBERTSON, R. L., RYVARDEN, L., 1986: North American polypores 1. – Oslo: Fungiflora.
- — 1987: North American polypores 2. – Oslo: Fungiflora.
- GINNS, J. H., 1986: Compendium of plant disease and decay fungi in Canada 1960-1980. – Res. Branch Canad. Agricult. Publ. **1813**: 416.
- GÓMEZ MENOR, J., 1935: Insectos que atacan el roble. – Rev. Agric. Comercio (Santo Domingo) **27**: 2109-2110.
- HANLIN, R. T., 1966: Host index to the *Basidiomycetes* of Georgia. – Georgia Agric. Exp. Station, Mimeo Ser., n. s., **260**: 1-30.
- HEPTING, G. H., 1971: Diseases of forest and shade trees of the United States. – Washington, D. C.: Dept. Agriculture, handbook **386**.
- JÜLICH, W., 1984: Die Nichtblätterpilze, Gallertpilze und Bauchpilze. *Aphylophorales, Heterobasidiomycetes, Gastromycetes*. – In GAMS, H., (Fund.): Kleine Kryptogamenflora IIb/1, Basidiomyceten 1. Teil. – Jena: G. Fischer.
- KEIZER, G. J., 2005: Encyklopedie Houby, 2nd edn. – Dobřejičovice: Rebo.
- KOBAYASHI, T., 2007: Index of fungi inhabiting woody plants in Japan. Host, distribution and literature. – Japan: Zenkoku-Noson-Kyoku Kyokai Publishing Co.
- KOTLABA, F., 1962: Mykózy ovocných stromů působené vyššími houbami stopkovýtrusými (*Basidiomycetes*). – In: Zemědělská fytopatologie **4**: 98-176, 3 col. plates. – Praha: ČSAZV, Státní zemědělské nakladatelství.
- 1984: Zeměpisné rozšíření a ekologie chorošů (*Polyporales* s. l.) v Československu. – Praha: Academia.
- 1997 a: Common polypores (*Polyporales* s. l.) collected on uncommon hosts. – Czech Mycol. **49**: 169-188.
- 1997 b: Some uncommon or rare polypores (*Polyporales* s. l.) collected on uncommon hosts. – Czech Mycol. **50**: 133-142.
- MANEVAL, W. E., 1937: A list of Missouri fungi. – Univ. Missouri Stud. **12**(3): 1-150.
- MÜNCH, E., 1932: *Hymenomycetinae*. – In SORAUER, P., (Fund.): Handbuch der Pflanzenkrankheiten, 5. edn., **3**: 297-404. – Berlin: Parey.
- OUDEMANS, C. A. J. A., 1923: Enumeratio systematica fungorum 4. – The Hague: Nijhoff.
- PACLT, J., 1946: K fytopathologii katalp. – Příroda (Brno) **38**: 153-158.
- 1947: *Catalpa* – strom viržinkový. – Čsl. Zahradník **2**: 218-219.
- 1948: Rozšíření a choroby katalp v ČSR. – Čsl. Zahradník **3**: 40-41.
- 1951: Fungus and related diseases of the genus *Catalpa* (*Bignoniaceae*). – Sydowia **5**: 160-168.
- 1961: Schicksal und Pathologie der Kremsierer *Catalpa/Padus*-Koalition. – Deutsche Baumschule **13**: 128.
- PETRESCU, M., 1962: Contribuții la cunoașterea microflorei din rezervația dendrologică Simeria. – Rev. Pădurilor **77**: 41-46.
- RAABE, R. D., 1967: Some previously unreported hosts of *Armillaria mellea* in California, II. – Pl. Disease Reporter **51**: 390.
- SCHRENK, H. VON, 1902: Diseases of the Hardy *Catalpa*. – Bull. US Dept. Agric. **37**: 49-58.
- SEYMOUR, A. B., 1929: Host index of the fungi of North America. – Cambridge, Mass.: Harvard University Press.
- SHAW, C. G., 1973: Host fungus index for the Pacific Northwest, I. Hosts. – Washington State Agric. Exper. Bull. **76**: 1-121.
- SINCLAIR, W. A., LYON, H. H., 2005: Diseases of trees and shrubs. 2nd edn. – Ithaca: Cornell University Press.
- STEVENS, N. E., 1912 a: Wood-rots of the Hardy *Catalpa*. – Phytopathology **2**: 114-119.
- 1912 b: *Polystictus versicolor* as a wound parasite of *Catalpa*. – Mycologia **4**: 263-270.
- TAI, F. L., 1979: Sylloge Fungorum Sinicorum. – Beijing: Science Press, Academia Sinica.
- TENG, S. C., 1996: Fungi of China. – Ithaca, NY: Mycotaxon Ltd.
- WESTCOTT, C., 1950: Plant disease handbook. – New York, Toronto, London: Van Nostrand.

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