

Checklist of some pleurotoid fungi (Agaricomycetidae, Basidiomycetes) of Estonia

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Abstract: 10 pleurotoid species in four genera of Agaricomycetidae (Basidiomycetes) from the families *Pleurotaceae* (*Pleurotus* 5 species; Agaricales), *Tricholomataceae* (*Phyllotopsis* 1 species; Agaricales) and *Polyporaceae* (*Lentinus* 3, *Neolentinus* 1 species; Polyporales) have been recorded in Estonia. A checklist of these species with ecological, phenological and distribution data are presented.

Kokkuvõte: Mõnede Eesti pleurotoidsete seeneliikide (Agaricomycetidae, Basidiomycetes) kriitiline nimestik.

Esitatakse nimestik koos ökoloogiliste, fenoloogiliste ja levikuliste andmetega pleurotoidsete viljakehadega kandseente 10 liigi kohta kolme sugukonna neljast perekonnast: servikulised, *Pleurotaceae* (servik, *Pleurotus* 5 liiki; Agaricales), heinikulised, *Tricholomataceae* (kuldkülik, *Phyllotopsis* 1 liik; Agaricales) ja torikulised, *Polyporaceae* (hammaslehtik, *Lentinus* 3, koldhammaslehtik, *Neolentinus* 1 liik; Polyporales).

INTRODUCTION

The checklist contains 10 pleurotoid species belonging to families *Polyporaceae* (*Lentinus* 3, *Neolentinus* 1 species), *Pleurotaceae* (*Pleurotus* 5 species) and *Tricholomataceae* (*Phyllotopsis* 1 species) recorded in Estonia. All species included in the list have been proved by relevant exsiccates in mycological Herbarium TAA (M) of the Institute of Agricultural and Environmental Sciences of the Estonian University of Life Sciences. It is not only a list of species, it also provides data on the ecology, phenology and distribution of the species in Estonia. The following data are given on each species: (1) the Latin name with a reference to the initial source; (2) most important synonyms; (3) reference to most important coloured pictures (iconography) in mycological literature used in identifying Estonian fungal species; (4) data on the ecology, phenology and distribution; (5) references to herbarium specimens available in Estonia, using the international abbreviation of the fungal collection TAA (M).

Abbreviations of iconography are following: BK (Breitenbach & Kränzlin, 1991), C (Cetto, 1979), CD (Courtecuisse & Duhem, 2000), DD (Dähnecke & Dähnecke, 1980), Hag (Hagara, 1987), Kal (Kalamees, 2000), KL (Kalamees &

Liiv, 2005), MHK (Michael, Hennig & Kreisel, 1979), Phil (Phillips, 1981), RH (Ryman & Holmasen, 1984).

LIST OF SPECIES

LENTINUS Fr., Syst. orb. veg.: 77. 1825

Syn.: *Panus* Fr. 1838.

L. CYATHIFORMIS (Schaeff.) Bres., Iconographia Mycologica 11 (Tab. 501-550): tab. 511. 1929

Icon.: C 693; CD 138.

Ecol. & Distr.: In parks, on rotten deciduous wood, July, very rare; only one locality: Harju Co., Tallinn, 1953, T. Leisner; deciduous-wood saprobiont.

Material studied: TAA(M) 3969; 185237.

L. SUAVISSIMUS Fr., Meth. Grund. Mod. Pflanzensoziol.: 13. 1836

Syn.: *Panus suavissimus* (Fr.) Singer. 1951.

Icon.: BK 3, 239, DD: 17.

Ecol. & Distr.: In paludified mixed forests, on edges of fens, in brushwoods, particularly in willow shrubs, on dry branches of willows, February to November, rather rare; deciduous-wood saprobiont.

- Material studied: TAA(M) 70710, 74539, 74923, 74961, 80534, 80651, 81370, 114892, 142471, 145665, 157015, 171736; 176089.
- L. TORULOSUS (Pers.: Fr.) Lloyd, Mycol. Writ. 4, Lett. 47: 13. 1913
Syn.: *L. conchatus* (Bull.: Fr.) J.Schröt. ap. E. Cohn 1889, *Panus conchatus* (Bull.: Fr.) Fr. 1838, *P. torulosus* (Pers.: Fr.) Fr. 1838. Icon.: BK 3, 241; CD 135; DD: 20; KL 55; MHK 3, 93; Phil: 187; RH: 207.
Ecol. & Distr.: On clear-cut areas, in parks, in forests (especially in *Filipendula* site types), on rotten stumps, trunks and branches of deciduous trees (particularly *Betula* spp. and *Populus tremula*), exceptionally on stumps of conifer trees (*Pinus sylvestris*: Harju Co., Naissaar Island), usually on cut surface of stumps, often in large tufts, June to October; rather rare; deciduous-wood saprobiont.
Material studied: TAA(M) 374, 1386, 81052, 114401, 142028, 142300, 142308, 142472, 142738, 146918, 147793, 150440, 151625, 172886; 176108; 176282; 176311; 177582.
- NEOLENTINUS Redhead & Ginns, Trans. Mycol. Soc. Japan 26: 357. 1985
- N. LEPIDEUS (Fr.: Fr.) Redhead & Ginns, Trans. Mycol. Soc. Japan 26 (3): 357. 1985
Syn.: *Lentinus lepideus* (Fr.: Fr.) Fr., Epicr. syst. mycol. (Upsaliae): 390. 1838, *L. squamosus* (Schaeff.) Quéf. 1888. Icon.: BK 3, 238; DD: 22; KL 54; MHK 3, 99; RH: 208.
Ecol. & Distr.: On clear-cut areas, road sides, heaths, rarer in forests, on stumps, particularly on wooden constructions, railway sleepers, telegraph poles, on dead wood of conifer trees, June to October, rather rare; conifer-wood saprobiont.
Material studied: TAA(M) 70001, 70012, 71226, 72182, 81565, 81566, 113407, 142039, 143854, 145685a, 171731, 174582; 175849; 182073; 182593; 182824.
- PHYLLOTOPSIS E.J. Gilbert & Donk ex Singer, Beihefte Bot. Centralbl. 56: 143. 1936
- PH. NIDULANS (Pers.: Fr.) Singer, Revue Mycol., Paris 1: 76. 1936.
Icon.: BK 3, 393; CD 153; KL 56; RH 205.
Ecol. & Distr.: In forests, on clear-cut areas, on rotten wood, trunks and stumps of deciduous and conifer trees (one find on the fruitbody of *Fomes fomentarius*; TAA(M) 121657), all the year round, especially from late autumn to early spring, rather rare; wood saprobiont.
Material studied: TAA(M) 680, 861, 73411, 105972, 118259, 121657, 144353, 146366, 146509, 147574, 147990; 162552, 164567, 165096, 167207, 172678; 175713; 176651; 177745; 177761.
- PLEUROTUS (Fr.) P. Kumm., Führ. Pilzk. (Zwickau): 24, 104. 1871
- P. CALYPTRATUS (Lindblad) Sacc., Syll. Fung. 5: 341. 1887.
Icon: Kal 34.
Ecol. & Distr.: In forests, parks, on rotten trunks and branches of deciduous trees, particularly on *Populus tremula*, one find on *Betula pendula*, mostly in tufts, April to October, rather rare; deciduous-wood (predominantly *Populus tremula*) saprobiont.
Material studied: TAA(M) 80011, 123936, 128057, 141163; 142163, 143534, 146330, 174549; 175367; 177567; S. Veldre 83-43b.
- P. CORNUCOPIAE (Paulet) Rolland, Acta Phytogeogr. Suec.: pl. 44, fig. 36. 1910.
Syn.: *P. sapidus* (Schulzer) Sacc. 1887.
Icon.: C 688; CD 149; MHK 3, 92; Phil 184.
Ecol. & Distr.: In forests, mainly on broad-leaved trees, very rare; two localities in Estonia: Valga Co., Karula, Puustuse, on trunk of *Populus tremula*, April 26 1983 (S. Veldre) and Hiiu Co., in Köpu peninsula, Hirmuste (V. Kastianje); deciduous-wood saprobiont.
Material studied: TAA(M) 141158, 163111.
- P. DRYINUS (Pers.: Fr.) P. Kumm., Führ. Pilzk. (Zwickau): 101. 1871
Syn.: *P. corticatus* (Fr.: Fr.) P. Kumm. 1871.
Icon.: BK 3, 395; C 684; CD 146; DD 16; KL 53; MHK 3, 91; RH 206.
Ecol. & Distr.: In forests, parks, mainly on dead and live stumps and trunks of deciduous trees, more seldom on conifer trees (2 finds on *Picea abies*), May to November, rather common; wood saprobiont.
Material studied: TAA(M) 3023, 77174, 79403, 80362, 80720, 106017, 122516, 123773, 127903, 128100, 141239, 145503,

146975, 147333, 147988; 152655, 157732, 157981; 157982; 163073, 171530; 172179, 176242; 178626; 182715; 182893; 183190; 183278; 185667; 189309, 189318.

- P. *OSTREATUS* (Jacq.: Fr.) P. Kumm., Führ. Pilzk. (Zwickau):104. 1871, var. *OSTREATUS*
P. salignus (Schrad.) P. Kumm. 1871, *P. ostreatus* var. *salignus* (Pers.: Fr.) Konrad & Maubl. 1937.

Icon.: C 252, 685; CD 147; DD 18, 19; KL 52; MHK 1, 110; Phil 183; RH 206.

Ecol. & Distr.: In forests, parks, gardens, groves, on live and dead wood, stumps and trunks of conifer and deciduous trees, mostly in tufts (in tile clusters), all the year round, especially from late autumn to early spring, in particular in warm winters, rather rare; wood saprobiont.

Material studied: TAA(M) 34221, 70765, 76636, 114870, 126991; 126992, 135647, 137737, 142824, 147569, 157761; 162017, 162018, 163001; 175016; 175745; 176682; 177442; 177763.

- P. *PULMONARIUS* (Fr.: Fr.) Quél., Mém. Soc. Émul. Montbéliard 2, ser. 5: 11. 1872.

Icon.: CD 148; Hag 85; Phil 185; RH 207.

Ecol. & Distr.: In forests, on wood of deciduous and conifer trees, May, July to September, December, common; wood saprobiont.

Material studied: TAA(M) 93854, 106890, 114023, 114639, 121706, 123977, 126843, 128027, 128127, 128258, 143535, 143543, 143736, 143738, 143847, 144121, 146743, 146766, 146902, 146964, 151908, 152341, 163005, 164940, 171899, 172158, 172791; 174835; 174837; 176106, 176174; 176215; 176232; 176671; 177042; 177581; 181042; 181435.

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