

A CHECKLIST OF APHYLLOPHORALES OF TURKEY

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Abstract

A complete list of 246 species belonging to 23 families of the order *Aphyllophorales* members which were identified by the authors and other scientists since 1932 in Turkey are presented of the 82 species identified by the authors, 22 species are recorded for the first time for macrofungi flora of Turkey. These are *Athelia neuhoffii* (Bres.) Donk, *Hyphoderma praetermissum* (Karst.) Erikss. & Strid, *Membranomyces spurius* (Bourd.) Jül., *Phanerochaete calotrichia* (Karst.) Erikss., *P. sordida* (Karst.) Erikss. & Ryv., *Piloderma byssinum* (Karst.) Jül., *Inonotus tamaricus* (Pat.) Maire, *Phellinus laevigatus* (Fr.) Bourd. & Galz., *P. viticola* (Schw. ex Fr.) Donk, *Asterostroma ochroleucum* Bres., *Gloeophyllum odoratum* (Wulf. ex Fr.) Imazeki, *Ischnoderma benzoinum* (Wahl. ex Fr.) Karst., *Pachyktospora tuberculosa* (Fr.) Kotl. & Pouz., *Perenniporia medulla-panis* (Fr.) Donk, *Physisporinus vitreus* (Pers. ex Fr.) Donk, *Tyromyces placenta* (Fr.) Ryv., *Ramaria abietina* (Pers. ex Fr.) Quél., *R. flaccida* (Fr.) Ricken, *R. gracilis* (Pers. ex Fr.) Quél., *R. obtusissima* (Peck.) Corner, *Stereum subtomentosum* Pouz. and *Thelephora caryophyllea* (Schaeff.) Fr.

The distribution, localities and reference numbers are given for the listed species in the text. Also, distributions, localities, and collection numbers are given for new records and other identified species by the authors.

Introduction

Studies on macrofungi of Turkey were first started by Pilat (1932, 1933, 1937) and followed by Lohwag (1957, 1959, 1964, 1965); Selik (1962, 1965, 1973 a, 1973 b); Selik & Aksu (1967). These scientists especially studied in Belgrad forest, Black Sea region, Marmara region, Ilgaz Mountain, Uludağ Mountain etc. Other scientists who studied the macrofungi flora of other regions are Abatay (1983, 1984, 1985, 1988 a, 1988 b); Afyon (1996 a, 1996 b, 1996 c, 1997, 2000); Afyon & Konuk (2002); Afyon *et al.*, (2000); Allı & Işıloğlu (2000); Altan *et al.*, (1986); Asan & Gücin (1990); Aşkun & Işıloğlu (1997); Baydar & Sesli (1994); Demirel (1994, 1996, 1998 a, 1998 b, 1999); Demirel & Işıloğlu (1993); Demirel & Nacar (2000); Demirel & Öztürk (1993, 1994); Demirel & Uzun (1996); Demirel *et al.*, (2002, 2003); Doğan *et al.*, (2000); Ertan (1992); Gezer & Köse (1999); Gezer (2000); Gücin (1982, 1984, 1987, 1988, 1990, 1991); Gücin *et al.*, (1990, 1995 a, 1995 b); Işıloğlu (1992, 1997, 2001); Işıloğlu & Gücin (1995); Işıloğlu & Öder (1995a, 1995b); Işıloğlu & Watling (1992); Karamanoğlu & Öder (1973); Kaşık (1994); Kaşık & Öztürk (1995); Kaşık *et al.*, (2000); Kaşık *et al.*, (2001); Kaya (2001); Kotlaba (1976); Niemala & Uotila (1977); Öder (1976, 1980, 1982, 1988a, 1988b); Öner (1972); Öztürk *et al.*, (1990, 2000, 2003); Öztürk & Kaşık (2000); Pekşen & Karaca Hatat (2000, 2003); Selik & Sümer (1982); Sesli (1993, 1998, 1999); Solak & Gücin (1990, 1992a, 1992 b); Solak *et al.*, (1999, 2002); Stojchev *et al.*, (1998); Sümer (1976, 1977, 1982, 1987); Turkecul (2003); Watling & Gregory (1977); Yıldız & Ertekin (1997); Yılmaz & Öder (1997); Yılmaz & Işıloğlu (2002).

The aim of this study was to determine the *Aphyllphorales* members in Turkey, to add new records and to give a complete list of all species including their distribution, habitat and reference numbers.

Materials and Methods

The specimens identified by the authors were collected in 1999-2001 in Karaman and Alanya provinces. Macrofungi specimens were removed from the base of trees and ground with great care to avoid damage. Samples were placed in separate wicker containers and colour, locality, hymenium types, shapes of samples, habitat and trees features were noted during the collection. Photograph of the specimens were taken using Zenit camera with a macro objective. Then the specimens were taken to the laboratory and examined microscopically, and some chemical reactions were used. The specimens were identified after reference to Breitenbach & Kränzlin (1986); Dähncke (1988, 1993); Ellis & Ellis (1990).

After macrofungi specimens were identified and dried, they were preserved in polythene bags containing thymol crystals. All macrofungi specimens are kept at Selçuk University, Mushroom Research and Application Centre, in Konya, Turkey.

Results

The new records identified by the authors are marked by an asterisk (*) and their distribution, collecting place, habitat, collecting date and collecting number are given. Also the other species identified by authors are marked by two asterisks (**) and their distribution, collecting place, habitat, collecting date and collection number are given. Distribution, habitat and reference numbers are given for the other species identified by the different scientists.

AURISCALPIACEAE

1. *Auriscalpium vulgare* S.F.Gray
Distribution: Bursa, on *Pinus nigra* Cons.
References: 44, 50.

BANKERACEAE

2. *Bankera fuligineoalba* (Schmidt: Fr.) Pouz.
Syn: *Hydnum fragile* Fr.
Distribution: Trabzon, in *Picea orientalis* forest.
Reference: 2.
3. *Bankera violascens* (A.& S.:Fr.) Pouz.
Distribution: Muğla, near the Dalaman stream on grass in pine forest.
Reference: 51.
4. *Hydnullum auratile* (Britz.) Maas Geesteranus
Distribution: Ordu-Fatsa, in pine forest.
Reference: 89.
5. *Hydnullum caeruleum* (Hornem.: Pers.) Karst.
Distribution: Ordu, in pine forest.
Reference: 89.

6. *****Hydnellum conrescens*** (Pers.: Schw.) Banker
 Syn: *Hydnellum zonatum* (Fr.) Karst.
 Distribution: Trabzon, in pine forest; Antalya-Alanya, in pine forest, 05.02.2000, *D* 368.
 Reference: 17, 75.
 7. *Hydnellum ferrugineum* (Fr.:Fr.) Karst.
 Distribution: Artvin, in conifer forest.
 Reference: 28.
 8. *Hydnellum peckii* Banker apud Peck
 Syn: *Hydnellum diabolium* Banker
 Distribution: Artvin, in conifer forest.
 References: 24, 28.
 9. *Hydnellum spongiosipes* (Peck.) Pouz.
 Syn: *Hydnum velutinum* Fr.
 Distribution: İstanbul, in pine forest.
 Reference: 71.
 10. *Phellodon melaleucus* (Sw.apud Fr.:Fr.) Karst.
 Syn: *Hydnum melaleucum* Sw. apud Fr.
 Distribution: Trabzon, in pine forest.
 Reference: 17.
 11. *****Phellodon niger*** (Fr.:Fr.) Karst.
 Distribution: Antalya, in pine forest, Antalya-Alanya, in pine forest, 05.03.2000, *D* 446.
 References: 36, 75.
 12. *****Phellodon tomentosus*** (L.:Fr.) Banker
 Syn: *Calodon tomentosus* (L.:Fr.) Maire
 Distribution: Trabzon, in pine forest; Antalya-Alanya, in pine forest, 05.02.2000, *D,Ö,K* 908.
 References: 17, 75.
 13. *****Sarcodon glaucopus*** Maas Geesteranus & Nannf.
 Syn: *Sarcodon amarescens* Quél.
 Distribution: Artvin, in conifer forest; Karaman-Başıyayla, in cedar forest, 30.10.1999, *D* 231.
 Reference: 25.
 14. *****Sarcodon imbricatus*** (L.: Fr.) Karst.
 Syn: *Hydnum squamosum* Schaeff.
 Distribution: Artvin, in conifer forest; Konya-Seydişehir, in cedar forest; Trabzon-Maçka, in conifer forest; Karaman-Sariveliler, in cedar forest, 22.11.1998, *D* 44.
 References: 3, 9, 87.
 15. *Sarcodon scabrosus* (Fr.) Karst.
 Distribution: Mersin and Muğla, in pine forest.
 References: 51, 53.
- BOLETOPSISIDIACEAE
16. *****Boletopsis leucomelaena*** Pers.
 Distribution: Manisa, in pine forest; Konya-Beyreli, in cedar forest; Antalya-Alanya, in pine forest, 20.01.2000, *D,Ö,K* 1134; Karaman-Sariveliler, in cedar forest, 22.11.1998, *D* 43.

References: 45, 74, 75.

CANTHARELLACEAE

17. *Cantharellus aurantiacus* Fr.

Distribution: İstanbul, in oak forest.

Reference: 71.

18. ***Cantharellus cibarius* Fr.

Distribution; Zonguldak; Artvin; Sinop, in oak and beech forests; Trabzon and Bursa, in deciduous forest; Antalya-Alanya, in oak forest, 06.02.2000, *D,Ö,K 1344*.

References: 4, 11, 26, 33, 44, 46, 67, 69, 72, 82, 87, 91, 92, 96, 101.

19. *Cantharellus ferruginascens* Orton

Distribution: Artvin and Trabzon, in beech forest.

References: 26, 87.

20. *Cantharellus lutescens* Fr.

Distribution: Trabzon, under *Picea orientalis*.

Reference: 87.

21. *Cantharellus tubaeformis* Fr.

Syn: *Cantharellus infundibuliformis* (Scop.) Fr.

Distribution: İstanbul, in oak forest; Trabzon, in spruce forest.

References: 72, 87.

22. *Craterellus cornicopioides* Pers.

Syn: *Pseudocraterellus sinuosus* (Fr.) Reid

Craterellus crispus Fr.

Distribution: Trabzon, in conifer forest.

Reference: 17.

CLAVARIACEAE

23. *Clavaria cristata* (Holmsk.) Schröt

Distribution: Trabzon, in beech forest.

References: 3, 79.

24. *Clavaria pallida* (Schaeff.) Ricken

Distribution: Trabzon, in conifer forest; Ilgaz Mountain, in conifer forest.

References: 4, 78.

25. *Clavaria pyxidata* Pers.

Syn: *Clavicornia pyxidata* (Pers. ex Fr.) Doty

Distribution: Ilgaz mountain, in fir forest.

Reference: 79.

26. *Clavaria vermicularis* Fr.

Distribution: Trabzon, in conifer forest.

Reference: 87.

27. ***Clavariadelphus pistillaris* (Fr.) Donk.

Syn: *Clavaria pistillaris* Linn.

Distribution: Bolu, under fagus trees; Antalya-Alanya, in pine forest, 20.01.2001, *D 1127*.

References: 1, 2, 75, 101.

28. *Clavariadelphus truncatus* (Quél.) Donk.

Distribution: Adana-Osmaniye Zorkun Plateau, in cedar forest.

References: 4, 51.

29. *Clavulinopsis argillacea* Pers.: Fr.

- Distribution: Bursa-İnegöl, in *Pinus nigra* forest.
Reference: 54.
30. *Clavulinopsis corniculata* (Fr.) Corner
Distribution: Samsun, in mixed deciduous forest.
Reference: 77.
31. *Clavulinopsis helvola* (Fr.) Corner
Distribution: Samsun, in mixed deciduous forest.
Reference: 77.
- CLAVULINACEAE
32. *Clavulina cinerea* (Fr.) Schroet.
Distribution: Zonguldak and Samsun, in mixed deciduous forest; Ordu, in pine forest.
References: 11, 77, 89.
33. *Clavulina cristata* (Fr.) Schroet.
Distribution: Trabzon and Ordu-Fatsa, in pine forest; Bitlis, in poplar trees.
References: 17, 89, 59.
34. *Clavulina rugosa* (Fr.) Schroet
Syn: *Clavaria rugosa* Bull.:Fr.
Distribution: Trabzon and Artvin-Ardanuç, in conifer forest; Bartın-Amasra, İncirli, in deciduous forest; Balıkesir-Değirmenboğazı, in mixed conifer forest.
References: 3, 12, 26, 104.
- CONIOPHORACEAE
35. *Coniophora puteana* (Schum. ex Fr.) Karst.
Distribution: Trabzon and İstanbul-Belgrad forest, on oak trees.
References: 17, 89, 98.
- CORTICIACEAE
36. *Athelia neuhoffii* (Bres.) Donk
Distribution: Antalya-Alanya, Çayarası place, on cedar branch, 05.05.2001, D 1164.
37. *Byssocorticium atrovirens* (Fr.) Sing.
Distribution: Bolu, in mixed conifer forest.
Reference: 99.
38. *Corticium cebennense* Bourd
Distribution: Ilgaz Mountain, on deciduous trees.
Reference: 80.
39. *Corticium centrifugum* (Lév.) Bres.
Distribution: Ilgaz Mountain, on deciduous trees.
Reference: 80.
40. *Corticium confluens* (Fr.) Fr.
Distribution: Ilgaz Mountain, on deciduous trees.
Reference: 80.
41. *Corticium leave* Pers.
Distribution: Ilgaz Mountain, on deciduous trees.
Reference: 80.
42. *Corticium subcoronatum* Höhn. & Litsch
Distribution: Ilgaz Mountain, on deciduous trees.
Reference: 80.
43. *Corticium submutabile* Höhn. & Litsch.

- Distribution: Ilgaz Mountain, on deciduous trees.
Reference: 80.
44. *Grandinia brinkmanni* (Bres.) Bourd. & Galz.
Distribution: Ilgaz Mountain, on deciduous trees.
Reference: 79.
45. *Grandinia granulosa* (Pers.: Fr.) Fr.
Syn: *Hyphodontia aspera* (Fr.) Erikss.
Kneiffiella aspera (Fr.) Jül.
Distribution: Ilgaz Mountain, on deciduous trees.
Reference: 79.
46. *Grandinia helvetica* (Pers.) Fr.
Distribution: Ilgaz Mountain, on deciduous trees.
References: 79, 80.
47. **Hyphoderma praetermissum* (Karst.) Erikss. & Strid
Distribution: Antalya-Alanya, on oak trees, 20.01.2001, D,Ö,K 1190.
Reference: 75.
48. *Hyphodermella corrugata* (Fr.) Erikson & Ryv.
Distribution: Black sea region, on broadleaved trees.
Reference: 100.
49. **Membranomyces spurius* (Bourd.) Jül.
Syn: *Clavulicium spurium* (Bourd.) Erikss. & Hjorst.
Distribution: Karaman-Başyayla, on cedar branch, 29.10.2000, D 1016.
50. *Merulius tremellosus* Fr.
Distribution: Belgrad forest, on oak trees; Denizli, on deciduous trees.
References: 63, 83.
51. *Mycoacia uda* (Fr.) Donk
Syn: *Acia uda* (Fr.) Karst.
Distribution: İstanbul, on oak trees.
Reference: 100.
52. *Peniophora aurantiaca* (Bres.) v.Höhn. & Litsch.
Distribution: Ordu, on *Alnus* sp.
Reference: 89.
53. *Peniophora cinerea* (Fr.) Cooke
Distribution: Ilgaz Mountain, on broadleaved trees.
Reference: 80.
54. *Peniophora corticalis* (Schrad.) Fr.
Distribution: İstanbul, on oak tree branches.
References: 63, 83.
55. *Peniophora glebulosa* Bres.
Distribution: Ilgaz Mountain, on broadleaved trees.
Reference: 80.
56. *Peniophora heterogenea* Bourd. & Galz.
Distribution: Ilgaz Mountain, on broadleaved trees.
Reference: 80.
57. *Peniophora livida* Burt
Distribution: Ilgaz Mountain, on broadleaved trees.
Reference: 80.
58. *Peniophora lycii* (Pers.) Höhn & Litsch

- Distribution: İstanbul-Belgrad forest, on oak trees.
Reference: 100.
59. *Peniophora malenconii* Boidin & Lanquetin
Distribution: Not known.
Reference: 60.
60. *Peniophora pallidula* (Bres.) Bres.
Distribution: Ilgaz Mountain, on broadleaved trees.
Reference: 80.
61. *Peniophora quercina* (Fr.) Cooke
Distribution: İstanbul, on oak trees.
References: 8.
62. *Peniophora rufomarginata* (Pers.) Litsch
Distribution: İstanbul-Belgrad forest, on oak trees.
Reference: 100.
63. *Peniophora subcremea* Bres.
Distribution: Ilgaz Mountain, on broadleaved trees.
Reference: 80.
64. **Phanerochaete calotrichia* (Karst.) Erikss.
Distribution: Antalya-Alanya, on pine trees, 05.02.2000, *D* 353.
65. **Phanerochaete sordida* (Karst.) Erikss. & Ryv.
Syn: *Peniophora cremea* Bres.
Distribution: Alanya-Yeşilköy, on oak trees, 03.12.1999, *D* 343.
Reference: 75.
66. *Phlebia merismoides* Fr.
Distribution: Trabzon, on oak trees.
Reference: 100.
67. *Phlebiopsis gigantea* (Fr.) Jül.
Syn: *Peniophora gigantea* (Fr.) Massee
Phlebia gigantea (Fr.) Donk
Distribution: Bursa, on poplar trees; Ilgaz Mountain, on broadleaved trees.
References: 46, 80, 91.
68. **Piloderma byssinum* (Karst.) Jül.
Syn: *Piloderma bicolor* Peck.
Distribution: Antalya-Alanya district, on pine tree, 05.02.2000, *D* 357.
69. *Piloderma croceum* Erikss. & Hjortst.
Distribution: Ilgaz Mountain, on fir trees.
Reference: 80.
70. ***Pulcherricium caeruleum* (Fr.) Parm.
Distribution: Ordu, on hazelnut and oak trees; Antalya-Alanya, on oak tree, 21.01.2001, *D* 1220.
References: 60, 75, 89.
71. *Trechispora farinacea* (Pers. ex Fr.) Liberta
Syn: *Cristella farinacea* (Pers. ex Fr.) Donk.
Distribution: İstanbul, on oak trees.
Reference: 100.
72. *Vuilleminia comedens* (Nees: Fr.) Maire
Distribution: Ilgaz Mountain, on oak trees.
Reference: 80.
- CYPHELLACEAE

73. *Flagelloscypha minutissima* (Burt) Donk
Distribution: Denizli-Bekilli, on conifer trees.
Reference: 70.
FISTULINACEAE
74. *Fistulina hepatica* Schaeff. Fr.
Distribution: İstanbul and Bolu, on oak trees.
References: 3, 4, 44, 65, 83, 96, 98, 99.
GANODERMATACEAE
75. *Ganoderma adspersum* (Schulz.) Donk.
Distribution: Muğla, on *Liquidamber orientalis*; Antalya, in pine forest; Samsun, in mixed deciduous forest; Edirne, on willow trees.
References: 13, 36, 60, 65, 77, 95.
76. ***Ganoderma applanatum* (Pers. ex Wallr.) Pat.
Distribution: Konya, on poplar trees; Muğla, on *Liquidamber orientalis*; Trabzon, Artvin and Malatya, on *Morus alba*; İstanbul, on deciduous trees; Antalya-Alanya, on poplar tree; Karaman-Bucakkışla village, on poplar tree, 22.04.2000, *D 478*.
References: 1, 2, 8, 13, 17, 25, 26, 39, 42, 44, 59, 63, 65, 75, 83, 84, 85, 91, 98, 99.
77. ***Ganoderma carnosum* Pat.
Distribution: Karabük, on soil in coniferous forest; Antalya-Alanya, on poplar tree, 05.03.2000, *D 449*.
References: 23, 75.
78. ***Ganoderma lucidum* (Fr.) P. Karst.
Distribution: Isparta, on deciduous trees; Muğla, on *Liquidamber orientalis*; Artvin and Erzurum, on oak trees; İstanbul and Samsun, in mixed deciduous forest; Antalya-Alanya, on poplar tree, 05.03.2000, *D 450*.
References: 1, 2, 7, 13, 15, 24, 25, 32, 43, 44, 51, 61, 63, 65, 75, 77, 83, 84, 87, 91, 95, 98, 99.
79. *Ganoderma pfefferi* Bres.
Distribution: Bolu, on beech trees.
Reference: 99.
80. *Ganoderma resinaceum* Boud.in Pat.
Distribution: Artvin and İstanbul, on oak trees; Edirne, on poplar trees.
References: 26, 46, 83, 95, 98.
GOMPHACEAE
81. ***Gomphus clavatus* S.F.Gray
Syn: *Nevrophyllum clavatum* (Fr.) Pat.
Distribution: Adana-Feke, Çataloluk plateau, in cedar forest; Karaman-Ermenek, in cedar forest, 31.10.1999, *D 248*.
Reference: 51, 57.
82. *Gomphus stereoides* Corner
Distribution: Ordu-Gölköy, in *Picea orientalis* forest.
References: 89.
HERICIACEAE
83. ***Creolophus cirrhatus* (Pers. ex Fr.) Karst.
Distribution: Zonguldak, on poplar trees, Karaman-Bayır village, on poplar trees, 22.04.2000, *D 480*.
Reference: 11.
84. *Hericium coralloides* (Scop. ex Fr.) Pers.

Syn: *Hericium erinaceum* (Bull. ex Fr.) Pers.

Hericium ramosum (Bull. ex Mer.) Letel

Hericium alpestre Pers.

Distribution: Düzce, on *Fagus orientalis* trees; Giresun, in conifer forest; Kastamonu, on beech trees; Malatya-Pötürge, on oak trees.

References: 3, 39, 68, 83.

HYDNACEAE

85. *Hydnum diversidens* Fr.

Distribution: Bursa, in conifer forest.

Reference: 3.

86. *Hydnum imbricatum* L.:Fr.

Distribution: Bursa, in conifer forest.

Reference: 3.

87. *Hydnum molle* Fr.

Distribution: Bursa, in conifer forest.

Reference: 3.

88. ***Hydnum repandum* L.: Fr.

Distribution: Antalya and Balıkesir in pine forest; Manisa, Osmaniye and Samsun, in mixed deciduous forest; İstanbul, Trabzon and Giresun, in spruce forest; Ordu, in beech forest; Ilgaz mountain, in fir forest; Antalya-Alanya, in pine forest, 05.02.2000, D,Ö,K 898.

References: 5, 36, 45, 51, 75, 77, 79, 82, 87, 88, 89, 94, 96, 101.

89. ***Hydnum rufescens* Fr.

Distribution: Antalya, in pine forest; Samsun, in mixed deciduous forest; İstanbul, in oak forest; Antalya-Alanya, in pine forest, 05.02.2000, D,Ö,K 924 .

References: 36, 75, 77, 101.

HYMENOCHAETACEAE

90. *Coltricia perennis* (L.:Fr.) Murr.

Distribution: West Anatolia, in pine forest; Uludağ, in fir forest.

References: 44, 46.

91. *Hymenochaete fuliginosa* (Pers.) Bres.

Distribution: Ilgaz Mountain, on deciduous trees.

Reference: 79.

92. *Hymenochaete mougeotii* (Fr.) Cooke

Distribution: İstanbul-Belgrad forest, on dead oak trees.

References: 63, 83.

93. ***Hymenochaete rubiginosa* (Dicks.:Fr.) Lév.

Distribution: İstanbul and Bolu, on oak trees; Antalya-Alanya, on oak tree, 05.03.2000, D 443.

References: 1, 2, 61, 63, 75, 83, 97, 99.

94. *Inonotus cuticularis* (Fr.) P. Karst.

Distribution: Edirne, on *Juglans regia*.

References: 60, 95.

95. *Inonotus dryadeus* (Pers. ex Fr.) Murr.

Distribution: Tunceli, on poplar trees; Bitlis, on oak trees.

References: 27, 59.

96. ***Inonotus hispidus* (Fr.) P. Karst.

- Syn: *Polyporus hispidus* (Bull.) Fr.
 Distribution: Muğla, on apple trees; Artvin and Van, on *Juglans regia* trees; Erzurum, on *Malus* and *Juglans* sp.; Giresun, on ash trees; İzmir, on *Morus* sp; Karaman-Sariveliler, on poplar tree, 22.11.1998, D 32
 References: 13 15, 25, 30, 32, 39, 41, 45, 48, 58, 59, 60, 65, 88, 93, 95.
97. *Inonotus midus-pici* Pil.
 Distribution: Edirne, on *Juglans regia* trees.
 Reference: 95.
98. ***Inonotus radiatus* (Fr.) P. Karst.
 Distribution: İstanbul-Belgrad forest, on *Alnus* sp., Muğla-Ula, on *Pistacia* sp; Karaman-Sariveliler, on cedar tree, 22.11.1998, D 35.
 References: 61, 13.
99. ***Inonotus rheades* (Pers.) P. Karst.
 Syn: *Inonotus vulpinus* (Fr.) P. Karst.
 Distribution: İstanbul-Belgrad forest, on poplar trees; Karaman-Ermenek, on willow tree, 28.04.2000, D 507.
 References: 83, 98.
100. **Inonotus tamaricus* (Pat.) Maire
 Distribution: Karaman-Bucakkışla, on *Tamarix* sp., 29.05.1999, D 188.
 Reference: 33.
101. *Inonotus vulpinus* (Fr.) Quél.
 Distribution: İstanbul, on poplar trees.
 References: 83, 98.
102. *Phellinus configus* (Pers.: Fr.) Pat.
 Distribution: Edirne, on *Robinia pseudacacia*.
 Reference: 95.
103. *Phellinus friesianus* (Bres.) B. & G.
 Distribution: İstanbul, on *Robinia* sp.
 References: 63, 83.
104. *Phellinus fulvus* (Scop.) Pat.
 Distribution: İstanbul-Belgrad forest, on *Prunus institia*.
 Reference: 63.
105. ***Phellinus hartigii* (All.& Schn.) Bond.
 Distribution: İstanbul-Belgrad forest, on pine trees; Bolu-Abant, on fir trees; Karaman-Bucakkışla, on poplar tree, 31.10.1998, D 10.
 References: 83, 61.
106. ***Phellinus igniarius* (L.:Fr.) Quél.
 Distribution: Muğla, on willow trees; Trabzon, Van, Ağrı and Antalya, on almond trees; Elazığ, on *Amygdalus communis*; Konya, on *Betula* sp.; Niğde, Bitlis, Samsun and İzmir, on willow trees; Karaman-Ermenek, on cedar tree, 24.04.1999, D 184.
 References: 13, 17, 22, 31, 36, 41 42, 44, 48, 100, 58, 59, 60, 65, 76, 93.
107. **Phellinus laevigatus* (Fr.) Bourd.& Galz.
 Distribution: Karaman-Bucakkışla, on willow tree, 15.06.1999, D 209.
108. ***Phellinus nigricans* (Fr.) Karst.
 Distribution: Erzurum, on poplar trees; Malatya and Bitlis, on oak trees; Karaman-Sariveliler, on *Platanus* sp., 15.06.1999, D 209.
 References: 32, 48, 59.
109. *Phellinus pilatii* Cerny. Sulogtr.

- Distribution: Edirne, on *Populus canescens*.
Reference: 95.
110. ***Phellinus pini* (Brot.: Fr.) Ames
Distribution: Muğla, Antayla, Manisa, Bursa and Balıkesir, on pine trees; Antalya-Alanya, on pine tree, 10.12.2000, *D* 1116.
References: 13, 36, 44, 45, 53, 75, 91, 94.
111. ***Phellinus punctatus* (Fr.) Pilát.
Distribution: İstanbul-Belgrad forest, on *Robinia* sp; Karaman-Bucakkışla, on willow tree, 30.05.1999, *D* 205.
Reference: 61.
112. *Phellinus ribis* (Schum.:Fr.) Karst.
Syn: *Phylloporia ribis* (Fr.) Ryv.
Distribution: Antalya-Kemer.
Reference: 36.
113. *Phellinus rimosus* (Berk.) Pilát
Distribution: Muğla, on fir trees.
References: 53, 60.
114. ***Phellinus robustus* (Karst.) Bourd. & Galz.
Distribution: Muğla, on *Amygdalus* sp.; Tunceli and İstanbul-Belgrad forest, on oak trees; Bursa, on fir trees; Balıkesir, on pine trees; Karaman-Bucakkışla, on poplar tree, 01.11.1998, *D* 13.
References: 13, 27, 46, 63, 75, 83, 91, 94.
115. ***Phellinus torulosus* (Pers.) Bourd. & Galz.
Distribution: Antalya-Alanya, on *Arbutus* sp., 03.12.1999, *D* 315; Malatya, Elazığ and Manisa, on oak trees; İstanbul, on oak and chestnut trees; Trabzon, on *Evonymus europaeus*; Bursa, on *Platanus* sp.; İzmir, Balıkesir and Edirne, on *Robinia pseudoacacia*.
References: 15, 36, 39, 41, 45, 46, 60, 61, 63, 65, 83, 84, 85, 91, 93, 94, 95.
116. *Phellinus tremulae* (Bond.) Bond. & Borisov
Distribution: Bolu, and Düzce, on *Populus tremula*.
References: 65, 83.
117. ***Phellinus tuberculosus* (Baumg.) Niemelä
Syn: *Phellinus pomaceus* (Pers.: S.F.Gray) Maire
Distribution: Muğla, Artvin, Tunceli, Van, Malatya, Elazığ, Manisa, Konya, Bitlis and Bursa, *Prunus* sp.; Karaman-Pınarbaşı village, on plum tree, 24.11.2000, *D* 1034.
References: 13, 26, 27, 30, 39, 41, 45, 48, 55, 59, 60, 65, 91.
118. **Phellinus viticola* (Schw.:Fr.) Donk
Syn: *Phellinus isabellinus* (Fr.) Bourd. & Galz.
Fomes tenuis P. Karst.
Distribution: Karaman-Ermenek, Damlaçalı place, on cedar tree, 01.06.2000, *D* 839.
119. ***Phellinus vorax* (Harkness) Černý
Distribution: Ordu, on hornbeam; Karaman-Sariveliler, on fir tree, 22.11.1998, *D* 34.
References: 89.
120. ***Pyrofomes demidoffii* (Lév.) Kotl. & Pouzar
Distribution: İçel-Erdemli, on *Juniperus excelsa*; Karaman-Sariveliler, on *Juniperus excelsa*, 23.10.1999, *D* 216.

LACHNOCLADIACEAE

121. **Asterostroma ochroleucum* Bres.

Distribution: Antalya-Alanya, İncekum place, on pine tree, 04.03.2000, D 427.

122. *Vararia ochroleuca* (Bourd. & Galz.) Donk

Distribution: İstanbul, on deciduous trees.

Reference: 100.

POLYPORACEAE

123. *Abortiporus biennis* (Bull.:Fr.) Sing.

Syn: *Daedalea biennis* Bull.: Fr.

Heteroporus biennis (Bull.:Fr.) Laz.

Distribution: Artvin-Ardanuç, on soil in broadleaved forest; Muğla-Akyaka, on soil

Reference: 25, 51.

124. *Albatrellus cristatus* (Pers.: Fr.) Kotl. & Pouz.

Distribution: Trabzon-Maçka, on *Picea orientalis*.

Reference: 87.

125. *Antrodia albida* (Fr.) Donk

Syn: *Trametes sepium* Berk.

Distribution: Bolu, on fir trees.

Reference: 99.

126. *Antrodia malicola* (Berk. & Curt) Donk

Syn: *Coriellus malicola* (Berk. & Curt.) Murr.

Distribution: Bolu, on fir trees.

Reference: 99.

127. *Antrodia serialis* (Fr.) Donk.

Syn: *Trametes serialis* Fr.

Distribution: Uludağ, on fir trees.

References: 61, 83.

128. *Antrodia variiformis* (Peck.) Donk.

Distribution: Bolu, on fir trees.

Reference: 99.

129. *Aurantioporus fissilis* (Berk. & Curt.) Jahn

Syn: *Tyromyces fissilis* (Berk. & Curt.) Donk

Spongipellis fissile (Berk. & Curt.) Murr.

Distribution: Konya-Ilgın, on deciduous trees.

Reference: 10.

130. ***Bjerkandera adusta* (Fr.) Karst.

Syn: *Gloeoporus adustus* (Willd.: Fr.) Pilát

Polyporus adustus (Willd.) Fr.

Distribution: Malatya and Muğla, on pine trees; Bitlis, on poplar trees; İzmir; Antalya; İstanbul, on oak trees; Trabzon, on acacia; Bursa and Balıkesir, mixed forest; Kırklareli, Edirne, on *Populus nigra*; Karaman-Bucakkışla, on poplar tree, 31.05.2000, D 798.

References: 1, 2, 15, 44, 46, 52, 53, 59, 63, 71, 75, 83, 84, 91, 94, 95, 101.

131. *Buglossoporus pulvinus* (Pers.) Donk

Distribution: Bolu, on oak tree.

Reference: 65.

132. ***Cerrena unicolor* (Fr.) Murr.

Syn: *Daedalea unicolor* Bull.:Fr.

Daedalea cinerea Fr.

Trametes unicolor (Bull.: Fr.) Cooke

- Distribution: Bitlis, on oak trees; Giresun, on *Acer* sp.; Büyükdere, on *Acer negundo*; Karaman-Ermenek, on *Aesculus* sp., 28.10.2000, *D* 1028.
References: 59, 61, 88.
133. ***Coriolopsis gallica* (Fr.) Ryv.
Syn: *Trametella extenuata* (Dur. & Mont.) Domanski
Distribution: Bolu, on deciduous tree; Antalya-Alanya, on poplar tree, 05.03.2000, *D* 455.
References: 75, 83.
134. *Daedalea quercina* L.: Fr.
Syn: *Lenzites quercina* (L.) Quél.
Distribution: İstanbul, on oak trees; Giresun, on *Alnus* sp.; Bolu, on oak trees.
References: 61, 63, 65, 83, 88, 89, 98, 99.
135. *Daedalea juniperina* (Murrill) Murrill
Distribution: South Anatolia-Bürücek plateau, on *Juniperus excelsa*.
References: 83.
136. *Daedaleopsis confragosa* (Bolt.: Fr.) Schroet.
Syn: *Trametes rubescens* (A. & S.: Fr.) Fr.
Distribution: Kırklareli, on *Salix alba*; Samsun, in mixed deciduous forest.
References: 65, 77, 95.
137. *Datronia mollis* (Sommerf.) Donk
Distribution: Ordu, on *Alnus* sp.
Reference: 89.
138. *Dendropolyporus umbellatus* (Pers.: Fr.) Jül.
Syn: *Polyporus umbellatus* Fr.
Grifola umbellata (Pers.: Fr.) Donk
Distribution: Trabzon and Ordu, under oak trees.
References: 3, 17, 89.
139. ***Fomes fomentarius* (L.: Fr.) Fr.
Distribution: Konya and Isparta, on poplar trees and *Prunus* sp.; Muğla, on *Liquidamber orientalis*; Bursa, İzmir, Kırklareli, Tokat, Diyarbakır, Antalya, Malatya, Elazığ, Manisa, Mersin, Erzurum, Van and Ağrı on poplar trees; Niğde and Bitlis, on willow trees; Bursa, Antalya and Samsun, in mixed deciduous forest; Ordu, on beech trees.
References: 1, 2, 6, 7, 8, 9, 13, 14, 15, 16, 22, 30, 31, 32, 36, 39, 41, 42, 44, 45, 46, 48, 51, 55, 58, 59, 61, 63, 65, 72, 75, 77, 85, 89, 91, 93, 94, 98, 101, 103, 118.
140. *Fomes annosus* (Fr.) Cooke
Distribution: İstanbul-Belgrad forest, on conifer trees.
References: 2, 61, 83.
141. *Fomes juniperinus* V.Schrenk
Distribution: Taurus Mountain, on *Juniperus foetidissima*.
Reference: 83.
142. *Fomitopsis pinicola* (Fr.) Karst.
Syn: *Polyporus marginatus* Pers.: Fr.
Ungulina marginata (Pers.: Fr.) Fr.
Distribution: Artvin, on fir tree; Erzurum, on *Picea orientalis*; Bursa, on pine trees.
References: 21, 24, 32, 44, 46, 65, 91.
143. ***Gloeophyllum abietinum* Fr.: Fr.
Syn: *Lenzites abietina* (Bull.: Fr.) Fr.

- Distribution: İstanbul-Belgrad forest and Bolu, on conifer trees; Karaman-Ermenek, on cedar tree, 13.11.1999, *D* 292.
References: 1, 2, 61, 65.
144. **Gloeophyllum odoratum* (Wulf.: Fr.) Imazeki
Syn: *Osmoporus odoratus* (Fr.) Sing.
Distribution: Antalya-Alanya, on pine tree, 20.01.2000, *D,Ö,K* 1125.
Reference: 75.
145. ***Gloeophyllum sepiarium* (Wulf.: Fr.) Karst.
Syn: *Lenzites sepiaria* (Wulf.: Fr.) Fr.
Distribution: Muğla and İzmir, on pine trees; Trabzon, on spruce trees; İstanbul-Belgrad forest, on conifer trees; Karaman-Ermenek, on fir tree, 23.04.1999, *D* 182.
References: 1, 2, 13, 61, 71, 84, 99.
146. ***Gloeophyllum trabeum* (Pers.: Fr.) Murrill
Syn: *Lenzites trabea* (Pers.: Fr.) Fr.
Distribution: Muğla, on pine trees; Konya, on cedar trees; Antalya-Alanya, on pine trees; Karaman-Ermenek, on cedar tree, 24.04.1999, *D* 177.
References: 13, 74, 75, 99.
147. *Hapalopilus rutilans* (Pers.: Fr.) Karst.
Syn: *Hapalopilus nidulans* (Fr.) Karst.
Distribution: Zonguldak, on beech trees.
Reference: 11.
148. *Heterobasidion annosum* (Fr.) Bref.
Syn: *Trametes radiciperda* R. Hartig
Distribution: East black sea, on fir tree; Artvin-Ardanuç, on conifer trees; Muğla, Sandras Mountain, on pine trees.
References: 1, 25, 49.
149. **Ischnoderma benzoinum* (Wahl.: Fr.) Karst.
Distribution: Antalya-Alanya, Çukur plateau, on pine tree, 10.12.2000, *D,Ö,K* 1054.
150. *Laetiporus sulphureus* (Fr.) Murr.
Syn: *Polyporus sulphureus* (Bull.: Fr.) Fr.
Distribution: Konya, Isparta, Muğla and Elazığ, on willow tree; Eskişehir, on *Ulmus* sp.; İstanbul, on chestnut trees; Bursa and Samsun, in mixed deciduous forest; Giresun, on spruce trees; Bursa, on oak trees; Edirne, on *Robinia pseudoacacia*.
References: 1, 2, 4, 5, 6, 7, 8, 9, 13, 38, 41, 43, 44, 45, 51, 55, 61, 63, 64, 72, 77, 82, 83, 85, 88, 91, 93, 95, 104, 183.
151. ***Laricifomes officinalis* (Vill.: Fr.) Kotl. & Pouz.
Syn: *Fomitopsis officinalis* (Fr.) Bond. & Sing.
Distribution: Antalya-Elmalı, on cedar tree; Karaman- Başyayla, on cedar tree, 23.10.1999, *D* 224.
Reference: 83.
152. ***Lenzites betulina* (L.: Fr.) Fr.
Syn: *Trametes betulina* (L.: Fr.) Pil.
Distribution: Zonguldak, Ordu and Erzurum, on oak trees; Artvin and Bursa, on beech trees; Antalya and İstanbul, on deciduous trees; Samsun, on mixed deciduous trees; Trabzon, on hornbeam trees; Antalya-Alanya, on oak tree, 20.01.2001, *D* 1124.
References: 1, 2, 11, 26, 32, 36, 44, 46, 63, 65, 75, 77, 83, 84, 89, 91, 97, 99.

153. *Lenzites warnieri* Dur. & Mont.
Distribution: Kırklareli, on oak trees.
References: 15, 65, 95.
154. *Leptoporus adustus* (Wuilld.) Quél.
Distribution: İstanbul-Belgrad forest, on dead deciduous tree barks.
Reference: 63.
155. *Leptoporus floriformis* (Quél.) B. & G.
Distribution: İstanbul-Belgrad forest, on pine trees.
Reference: 63.
156. *Meripilus giganteus* (Pers.) Karst.
Syn: *Polyporus giganteus* Pers.: Fr.
Distribution: İstanbul, under oak trees; Kozak plateau, under pine trees, Bitlis, under oak trees; Bolu, under fir trees; Konya-Ilgın, in mixed forest.
References: 5, 44, 59, 65, 74, 99.
157. *Oligoporus sericeomollis* (Romell) M. Bondartseva
Distribution: Bolu, on fir trees.
Reference: 100.
158. **Pachyktospora tuberculosa* (Fr.) Kotl. & Pouz.
Distribution: Karaman-Ermenek, on cedar tree, 11.06.2000, Doğan 932.
159. ***Perenniporia fraxinea* (Fr.) Ryv.
Syn: *Fomitopsis sytisina* (Berk.) Bond. & Sing
Haploporus cytisinus (Berk.) Dom.
Distribution: Edirne-Karaağaç, on *Robinia pseudoacacia*; Antalya-Alanya, on pine tree, 05.03.2000, D 451.
References: 75, 95.
160. **Perenniporia medulla-panis* (Fr.) Donk
Syn: *Polyporus unitus* Pers.
Poria medullaris S.F.Gray
Distribution: Karaman-Başyayla, on cedar trees, 29.10.2000, D 1021
161. ***Perenniporia ochroleuca* (Berk.) Ryv.
Distribution: Antalya-Alanya, on pine tree, 03.12.1999, D 319.
References: 24, 75.
162. *Perenniporia tenuis* (Schwein.) Ryvarden
Distribution: Not known.
Reference: 60.
163. *Phaeolus schweinitzii* (Fr.) Pat.
Distribution: Bolu, under fir tree; İstanbul, under pine tree; Bolu, under fir tree.
References: 65, 83, 99.
164. **Physisporinus vitreus* (Pers.: Fr.) Donk
Syn: *Rigidiporus vitreus* (Fr.) Donk
Podoporia vitrea (Fr.) Donk
Distribution: Karaman-Ermenek, on cedar tree, 28.10.2000, D 980.
165. ***Polyporus arcularius* Batsch: Fr.
Syn: *Polyporus anisoporus* Del. & Mont.in Mont
Distribution: Artvin and Eskişehir, Antalya, Kırklareli, Edirne and İstanbul, on oak trees; Bursa, on deciduous branches; Antalya-Alanya, on pine tree, 20.05.2001, D, Ö, K 1360.
References: 15, 25, 43, 44, 46, 65, 75, 86, 91, 95.

166. *Polyporus badius* (Pers.: S.F.Gray) Schw.
 Syn: *Polyporus picipes* Fr.
 Distribution: Artvin; Ağrı, on poplar tree; Erzurum, on willow tree.
 References: 25, 31, 32.
167. *Polyporus brumalis* (Pers.) Fr.
 Distribution: Muğla, on *Platanus*; Artvin, on poplar tree; Mersin; Bursa; Kırklareli; Tokat; Balıkesir; Antalya-Alanya, on pine tree, 20.02.2001, *D,Ö,K 1360*.
 References: 13, 15, 26, 44, 46, 51, 72, 75, 93, 101, 104.
168. *Polyporus confluens* Alb.u.Schw.
 Distribution: Black sea region, on fir tree.
 Reference: 3.
169. *Polyporus frondosus* Mich. & Fr.
 Distribution: Konya; on poplar tree; Aksaray; Niğde; Tokat.
 References: 3, 6, 8, 55, 56, 58, 101.
170. *Polyporus fulvus* Scop
 Distribution: İstanbul-Belgrad forest, on oak tree.
 References: 1, 2.
171. *Polyporus meridionalis* (David) Jahn
 Distribution: Erzurum, on dead branches; Bitlis.
 References: 32, 59.
172. *Polyporus montanus* (Quél.) Cost.& Dufl
 Distribution: Bolu, on deciduous trees.
 Reference: 99.
173. *Polyporus mori* Pollini: Fr.
 Distribution: Eskişehir, on *Salix* sp.
 Reference: 43.
174. *Polyporus pargamenus* Fr.
 Distribution: İstanbul; Bolu, on deciduous forest.
 References: 61, 99.
175. *Polyporus rhizophilus* (Pat.) Sacc.
 Distribution: Van; Bitlis, in step.
 References: 22, 59.
176. *Polyporus squamosus* Fr.
 Distribution: Konya, Isparta, Zonguldak, Van, Ağrı and Erzurum, on poplar and willow trees; Muğla, on *Juglans*; Eğirdir, on deciduous trees; Eskişehir; Malatya; Niğde; Bitlis and Samsun, in mixed deciduous forest; Bursa, on beech trees; Kırklareli; Tokat.
 References: 1, 2, 4, 5, 6, 7, 8, 9, 11, 13, 15, 22, 31, 32, 35, 43, 48, 52, 55, 58, 59, 77, 83, 85, 87, 91, 95, 96, 101.
177. *Polyporus stipticus* (Pers.) Fr.
 Distribution: Denizli, on pine tree.
 Reference: 86.
178. *Polyporus tuberaster* (Pers.: Fr.) Fr.
 Syn: *Polyporus forquignoni* (Quél.) Sacc.
Polyporus lentus Berk.
 Distribution: İstanbul, on oak trees,
 Reference: 100.

179. *Polyporus varius* Pers.: Fr.
Syn: *Polyporus elegans* (Bull.) Fr.
Distribution: Kırklareli, Bolu, on broadleaved trees.
References: 15, 44, 83, 95, 99.
180. *Polyporus versatilis* Rom.
Distribution: İstanbul, on poplar trees.
Reference: 83.
181. *Postia caesia* (Schröd.: Fr.) Karst.
Syn: *Tyromyces caesioides* (Schröd.: Fr.) Murrill
Distribution: Black sea region, on conifer trees.
Reference: 100.
182. ***Postia stiptica* (Pers.: Fr.) Jül.
Syn: *Tyromyces stipticus* (Pers.: Fr.) Kotl. & Pouz.
Distribution: Balıkesir, on pine tree; Karaman-Bucakkışla, on pine tree, 31.05.2000, D 770.
References: 16, 75.
183. ***Postia tephroleuca* (Fr.) Jül.
Syn: *Tyromyces tephroleucus* (Fr.) Donk
Distribution: Ordu, on hornbeam stump; Karaman-Sarıveliler, on pine tree, 31.10.1999, D 247.
Reference: 89.
184. *Pycnoporus cinnabarinus* (Jacq.: Fr.) Karst.
Syn: *Trametes cinnabarina* (Jacq.: Fr.) Fr.
Distribution: Elazığ, on pine tree.
Reference: 41.
185. *Rigidiporus ulmarius* (Sow.: Fr.) Imazeki
Distribution: Samsun, in mixed deciduous forest.
References: 60, 65, 77.
186. ***Schizophora paradoxa* (Schröd.: Fr.) Donk
Syn: *Polyporus versiporus* Pers.
Distribution: İstanbul, on deciduous trees; Antalya- Alanya, on oak tree, 04.03.2000, D 426.
References: 75, 100.
187. *Spongipellus delectans* (Peck) Murrill
Distribution: Muğla-Yatağan on poplar trees.
Reference: 13.
188. *Spongipellus spumeus* (Sow.: Fr.) Pat.
Distribution: İstanbul-Belgrad forest, on beech trees.
Reference: 63.
189. *Trametes colliculosa* (Pers.) L. & N.
Distribution: İstanbul-Belgrad forest, on oak trees.
Reference: 63.
190. ***Trametes gibbosa* (Pers.: Fr.) Fr.
Distribution: Isparta, on oak tree; Zonguldak, İstanbul, on deciduous trees; Trabzon, Bursa, on pine trees; Karaman-Pınarbaşı village, on poplar tree, 24.11.2000, D 1038.
References: 1, 2, 7, 11, 61, 63, 65, 83, 87, 91.
191. ***Trametes hirsuta* (Wulf.: Fr.) Pil.
Distribution: Zonguldak, on deciduous trees; Konya; Giresun, on beech trees; Kırklareli, on poplar tree; Antalya-Alanya, on pine tree, 27.05.2000, D 755.
References: 11, 65, 75, 88, 95.

192. *Trametes hispida* Bagl.
Distribution: İstanbul, on *Juglans* trees; İstanbul-Kilyos, on *Morus* sp.; Bolu, on beech trees.
References: 61, 71, 83, 99.
193. ***Trametes multicolor* (Schaeff.) Jülich
Distribution: Eskişehir and Uludağ, on poplar trees; Karaman-Bucakkışla, on poplar tree, 19.05.2000, *D* 646.
References: 43, 46, 75.
194. *Trametes pini* var. *abietes* Karst.
Syn: *Fomes pini* (Thore: Fr.) Karst.
Distribution: İzmir, on pine trees.
Reference: 71.
195. ***Trametes pubescens* (Schum.: Fr.) Pil.
Distribution: Artvin and Erzurum, on poplar trees; Malatya; Antalya-Alanya, on oak tree, 05.02.2000, *D* 369.
References: 25, 26, 32, 48, 75.
196. ***Trametes suaveolens* (L.: Fr.) Fr.
Distribution: Van and Uludağ, on poplar trees; Karaman-Ermenek, on willow tree, 28.10.2000, *D* 998.
References: 22, 61, 75, 83.
197. ***Trametes versicolor* (Fr.) Pil.
Distribution: Muğla, *Liquidamber orientalis* and on *Cupressus* sp.; Balıkesir, Bitlis, Artvin and Erzurum; Konya, on poplar trees; Antalya-Alanya, on oak trees, 20.05.2001, *D* 453; Samsun, on hazelnut trees; İzmir; Kırklareli, Edirne; Balıkesir.
References: 13, 16, 25, 32, 44, 48, 53, 55, 59, 65, 75, 77, 89, 93, 95, 104.
198. ***Trichaptum abietinum* (Fr.) Ryv.
Syn: *Hirschporus abietinus* (Dicks.: Fr.) Donk
Polyporus abietinus Dicks.
Distribution: İstanbul-Belgrad forest, on conifer trees; Muğla-Fethiye, on cedar trees; Düzce, on fir trees; Karaman-Başıyayla, on fir tree, 23.10.1999, *D* 219.
References: 44, 57, 61, 74, 75, 83.
199. ***Trichaptum fusco-violaceum* (Ehrenb.: Fr.) Ryv.
Distribution: Manisa and Malatya-Pötürge, on conifer tree; Karaman-Sarıveliler, on fir trees, 23.04.1999, *D* 169.
References: 39, 45.
200. *Tyromyces chioneus* (Fr.: Fr.) P. Karst.
Syn: *Polyporus albellus* Peck.
Distribution: İzmir, on pine trees.
Reference: 71.
201. *Tyromyces mollis* (Pers.: Fr.) Pilát
Syn: *Leptoporus mollis* (Fr.) Kotl. & Pouz.
Distribution: İstanbul, on pine trees.
Reference: 100.
202. **Tyromyces placenta* (Fr.) Ryv.
Distribution: Karaman-Başıyayla, Katranlı place, on fir tree, 29.10.2000, *D* 1014.
RAMARIACEAE
203. **Ramaria abietina* (Pers.: Fr.) Quél.
Syn: *Ramaria ochraceo-virens* (Jungh.) Donk
Distribution: Karaman-Ermenek, Damlaçalı place, in cedar forest, 11.06.2000, *D* 921.

204. *Ramaria aurea* (Schaeff.: Fr.) Quél.
Distribution: Samsun, in mixed deciduous forest; Giresun and Bolu, in conifer forest.
References: 4, 77, 88, 101.
205. *Ramaria bataillei* (Maire) Corner
Distribution: Mersin-Tarsus, in conifer forest.
Reference: 52.
206. *Ramaria botrytis* (Fr.) Ricken
Distribution: Trabzon, Adana and Muğla, in conifer forest.
References: 3, 17, 44, 52.
207. **Ramaria flaccida* (Fr.) Ricken
Distribution: Antalya-Alanya, in pine forest, 20.01.2000, *D,Ö,K 1160*.
208. ***Ramaria flava* (Schaeff.) Quél.
Distribution: Zonguldak; Artvin; Manisa; Muğla; Samsun, in mixed deciduous forest; Bursa, in pine forest; Karaman-Ermenek, in cedar forest, 11.06.2000, *D 925*.
References: 3, 11, 25, 44, 45, 46, 52, 77, 91, 92.
209. *Ramaria formosa* (Fr.) Quél.
Distribution: Manisa, Artvin, Adana, Muğla, Samsun and Bolu, in mixed deciduous forest.
References: 25, 44, 45, 46, 52, 77, 101.
210. **Ramaria gracilis* (Pers.: Fr.) Quél.
Distribution: Antalya-Alanya, in pine forest, 10.12.2000, *D,Ö,K 1047*.
211. *Ramaria largentii* Marr & Stuntz
Syn: *Clavaria aurea* Schaeff.
Distribution: Bartın, in conifer forest.
Reference: 12.
212. *Ramaria lutea* (Vitt.) Schild
Distribution: Artvin, in conifer forest.
Reference: 24.
213. **Ramaria obtusissima* (Peck) Corner
Distribution: Karaman-Ermenek, Damlaçalı place, in cedar forest, 31.10.1999, *D 246*.
214. *Ramaria stricta* (Fr.) Quél.
Distribution: İstanbul-Belgrad forest, in mixed forest; Artvin-Karçal Mountain, in conifer forest; Denizli-Bekilli and Kastamonu, in pine forest.
References: 24, 37, 68, 87, 100.
215. *Ramaria versatilis* Quél.
Distribution: Adana-Feke, in cedar forest.
Reference: 52.
- SCHIZOPHYLLACEAE
216. *Plicaturopsis crispa* (Fr.) Reid
Syn: *Plicatura faginea* Karst.
Distribution: Uludağ, in conifer forest.
Reference: 46.
- SPARASSIDACEAE
217. *Sparassis crassa* Woulf.: Fr.
Distribution: West Anatolia, in conifer forest.
Reference: 44.

218. *Sparassis crispa* Wulf.: Fr.
Distribution: Erzurum, Kastamonu, İzmir and Balıkesir, in pine forest; Bolu, in deciduous forest.
References: 3, 14, 44, 68, 93, 94, 96, 99.
219. *Sparassis laminosa* Fr.
Distribution: West Black sea, in conifer forest.
Reference: 3
STECCHERINACEAE
220. *Steccherinum ochraceum* (Pers. apud Gmelin: Fr.) S.F. Gray
Distribution: Bolu, on beech trees.
Reference: 99.
221. *Steccherinum septentrionale* (Fr.) Banker.
Distribution: Bolu, on beech trees.
Reference: 99.
STEREACEAE
222. **Chondrostereum purpureum* (Fr.) Pouz.
Syn: *Stereum purpureum* Fr.: Fr.
Distribution: İstanbul, on poplar, elm and beech trees; Ilgaz Mountain, on hornbeam trees; Ordu, on *Alnus* sp.; Bolu, on deciduous forest.
References: 1, 2, 61, 62, 63, 79, 83, 84, 89, 97, 99.
223. *Stereum frustulosum* Pers.
Distribution: İstanbul and Trabzon, on oak trees; Bolu, on deciduous trees.
References: 1, 2, 63, 83, 84, 97, 99.
224. *Stereum gausapatum* Fr.: Fr.
Distribution: İstanbul, on beech trees; Samsun, in mixed deciduous forest.
References: 1, 2, 61, 63, 65, 77, 83, 97.
225. **Stereum hirsutum* (Willd.: Fr.) S.F.Gray
Distribution: Muğla, on *Arbutus*; Balıkesir, in pine forest; Malatya, Muğla and Kırklareli, on oak trees; İstanbul, on poplar trees; Samsun, in mixed deciduous forest; Trabzon and Ordu, on hazelnut and hornbeam trees; Giresun, on beech trees; Antalya-Alanya, on pine trees, 10.12.2000, *D,Ö,K 1058*.
References: 1, 2, 13, 16, 36, 39, 52, 53, 61, 63, 65, 75, 77, 83, 84, 85, 88, 89, 93, 95, 97, 99, 104.
226. *Stereum insignitum* Quéf.
Distribution: Muğla, on *Liquidamber orientalis*; Bursa, on beech trees.
References: 13, 15, 46, 65, 91, 95.
227. **Stereum ochraceoflavum* (Schw.) Ellis
Syn: *Stereum rameale* (Pers.: Fr.) Burt
Distribution: Antalya-Alanya, on pine tree, 05.02.2000, *D,Ö,K 902*.
Reference: 75.
228. *Stereum ostrea* (Blume & Nees: Fr.) Fr.
Distribution: İzmir, on oak and pine trees.
Reference: 93.
229. **Stereum rugosum* (Pers.: Fr.) Fr.
Distribution: Muğla, on *Amygdalus*; Antalya-Alanya, on pine tree, 25.02.2000, *D,C,Ö 903*; Mut-Göksu village, on poplar tree, 18.02.2000, *D 420*.
References: 13, 75.
230. **Stereum sanguinolentum* (Alb.& Schw.: Fr.) Fr.
Distribution: Bursa-İnegöl and Ilgaz mountain, on poplar trees; Karaman-Başyayla, on fir tree, 23.10.1999, *D 220*.

References: 72, 79.

231. **Stereum subtomentosum* Pouz.

Distribution: Mut, on pine tree, 10.04.1999, *D* 84.

THELEPHORACEAE

232. **Thelephora caryophyllea* (Schaeff.) Fr.

Distribution: Karaman-Bucakkışla, under poplar trees, 30.05.1999, *D* 207.

233. *Thelephora palmata* Scopoli: Fr.

Distribution: Samsun, in mixed deciduous forest; Ordu, in pine forest.

References: 77, 89.

234. *Thelephora specula* Fr.:Fr.

Distribution: Zonguldak, in pine forest; Samsun, in deciduous forest.

References: 11, 77.

235. *Thelephora terrestris* Fr.

Distribution: West Anatolia, in conifer forest; Balıkesir, in pine forest.

References: 44, 94.

236. *Tomentella cinerascens* (P.Karst.) Höhn. & Litsch.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

References: 79.

237. *Tomentella ferruginea* (Pers.) Pat.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

Reference: 79.

238. *Tomentella fuliginea* (Burt) Bourd. & Galz.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

Reference: 79.

239. *Tomentella mucidula* (P.Karst.) Höhn. & Litsch.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

References: 79.

240. *Tomentella ochraceo-olivacea* Litsch.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

Reference: 79.

241. *Tomentella pilatii* Litsch.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

Reference: 79.

242. *Tomentella ruttneri* Litsch.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

Reference: 79.

243. *Tomentella spongiosa* (Schw.) Bourd. & Galz.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

Reference: 79.

244. *Tomentella subclavigera* Litsch.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

Reference: 79.

245. *Tomentella umbrina* (Fr.) Litsch.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

Reference: 79.

246. *Tomentellina bombycina* (P. Karst.) Bourd. & Galz.

Distribution: Ilgaz Mountain, on mixed conifer and hardwood trees.

Reference: 79.

Results and Discussion

In this study, 246 species are listed. 82 species are identified and of them 22 species are recorded for the first time for Turkish macrofungi flora by the authors.

The major distribution of the species belong to *Polyporaceae* (32.1 %), *Corticaceae* (15.6 %) and *Hymenochaetaceae* (12.4 %) followed by *Thelephoraceae* (6.4 %), *Bankeraceae* (5.6 %), *Ramariaceae* (5.2 %), *Stereaceae* (4 %), *Clavariaceae* (3.6 %), *Cantharellaceae* (2.4%), *Ganodermataceae* (2.4 %), *Hydnaceae* (2 %), *Clavulinaceae*, *Gomphaceae*, *Hericiaceae* and *Sparassidaceae* (1.2 %), *Steccherinaceae* and *Lachnocladiaceae* (0.8 %), *Auriscalpiaceae*, *Boletopsidiaceae*, *Coniophoraceae*, *Cyphellaceae*, *Fistulinaceae* and *Schizophyllaceae* (0.4 %).

The distribution of species on habitats were shown in Fig. 1. The most spread habitat are Pine forest (56 species) and Oak forest (54 species) followed by Mixed Deciduous forest (50 species), Conifer forest (34 species), Poplar tree (31 species), Fir forest (24 species), Beech forest (20 species), Cedar forest (18 species), Willow tree (15 species), Spruce forest (10 species), *Platanus* sp., *Liquidambar orientalis* and *Picea orientalis* (8 species), *Prunus* sp., (6 species), *Alnus* sp., (5 species), *Robinia* sp. And *Morus* sp. (4 species), *Arbutus* (3 species), Apple and *Tamarix* sp., (1 species).

The species distribution is parallel to habitat, because the most spreading plants in Turkey are Pine, oak and other deciduous trees. These forests are very common in Marmara, Black sea, Aegean sea and Mediterranean region. The other common plants are Cedar, Fir and Spruce. Poplar and willow trees are very abundant near the river and stream.

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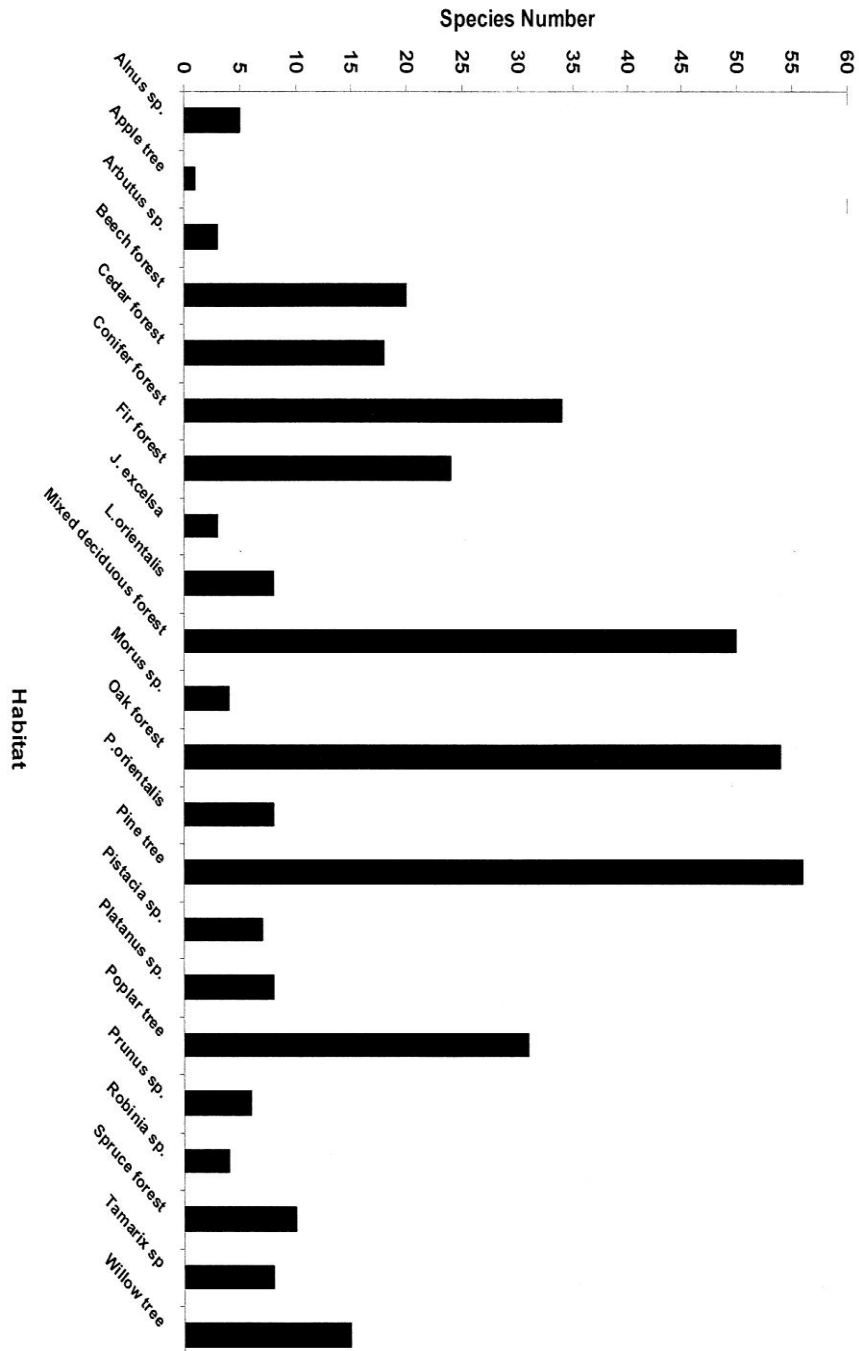


Fig. 1. Distribution of species on Habitats.

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