



Macrofungi Distribution of Gevne Valley

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Abstract

The material of this study composes macrofungi specimens have been collected from different localities in Gevne valley between 2000-2003 particularly during the months of autumn and spring.

As a result of the field and laboratory studies, 110 taxa and 57 genus belong to 4 classes and 33 families have been identified. These are 12 species belong to *Ascomycota* and 98 species belong to *Basidiomycota*.

Key Words: Macrofungi, Distribution, Valley, Gevne, Turkey.

Gevne Vadisi'nin Makrofungus Dağılımı

Özet

Bu çalışmanın materyalini oluşturan makrofungus türleri, 2000-2003 yılları arasında özellikle ilkbahar ve sonbahar aylarında Gevne Vadisinin farklı lokalitelerinden toplanmıştır.

Arazi ve laboratuvar çalışmaları sonucunda, 33 familya ve 4 sınıfa ait 57 cins ve 110 takson belirlenmiştir. Bunlardan 12 tür *Ascomycota*, 98 tür *Basidiomycota*'ya aittir.

Anahtar Kelimeler: Makrofungus, Dağılım, Vadi, Gevne, Türkiye.

Introduction

Gevne valley is a place which is situated between Mediterranean and Central Anatolia (Map 1). The location of Gevne valley is between Konya and Antalya provinces, and it also situated along the Gevne stream. The length of the area is about 25 km and the width is 1000 m. The climate is typically Mediterranean region.

In the study area, the deciduous trees presents *Quercus cerris* L. var. *cerris*, *Q. trojana* P.B. Webb., *Populus sp.* and *Salix sp.* The coniferous trees presents *Abies cilicica* (Ant. & Kotschy) Carr. subsp. *isaurica* Coode & Cullen, *Cedrus libani* A. Rich., *Pinus nigra* Arn. subsp. *pallasiana* (Lamb.) Holmboe, *Pinus brutia* Ten, *Juniperus drupacea* Lab., *J. oxycedrus* L. subsp. *oxycedrus* and *J. excelsa* Bieb. (Duman et al 2000).

Materials and Methods

Macrofungi samples were removed from the ground with great care to avoid damage to the base and other parts (stipe, hymenium etc.). Soil was removed using a soft brush. Samples were placed in separate wicker containers to avoid mixing. Colour, locality and characteristics of habitat etc. were noted during the collection. Insecticide spray was used for protect to fresh samples for insect larvae damage. In the laboratory, morphological features and the spore properties of dry and fresh macrofungi specimens were studied and they were identified using identification keys (Watling, 1973). The orders determined using Moser (1983) and other related literature (Krieger, 1967; Phillips, 1981; Watling, 1982; Michael et al, 1983-1987; Breitenbach & Kränzlin, 1984-1995; Henning & Kreisel, 1987; Pegler, 1987; Dähncke, 1988, 1993; Watling & Gregory, 1989; Bresinsky & Besl, 1990; Ellis & Ellis, 1990;



Grünert & Grünert, 1984, 1991; Pacioni, 1993; Jordan, 1996; Smith & Smith 1996; Gerhardt, 1997; Pace, 1998). After macrofungi samples were identified and dried, they were preserved in polythene bags containing 5 g thymol crystals.

All macrofungi samples are kept at Selçuk University, Fungarium of Mushroom Application and Research Centre, in Konya.

Results

The collectors surnames (Kaşık, Aktaş, Öztürk, Doğan) are shortened as K, A, Ö, D and given with collecting number.

ASCOMYCOTA

Pezizomycetes

Pezizales

Morchellaceae

1. *Morchella conica* var. *conica* Pers.

Kaplanhanı village, in pine forest, 11.05.2002, K, A, Ö, D 1553.

2. *Morchella deliciosa* Fr.

The first bridge previous from Beyreli village, in pine forest, 11.05.2002, K, A, Ö, D 1560.

3. *Morchella esculenta* var. *umbrina* (Boud.)

S. Imai

Kaplanhanı village, in pine forest, 11.05.2002, K, A, Ö, D 1546.

4. *Morchella vulgaris* (Pers.) Boud.

Kaplanhanı village, in pine forest, 11.05.2002, K, A, Ö, D 1552.

5. *Mitrophora semilibera* (DC:Fr.) Lév.

Kaplanhanı village, among meadow, 11.05.2002, K, A, Ö, D 1554.

Helvellaceae

6. *Helvella acetabulum* (L.) Quéf.

Karapınar village, in fir forest, 19.05.2001, K, A, Ö, D 1316,1331. Between Sarımut village-Şifalı su place, in pine forest, 22.04.2002, K, A, Ö, D 1489.

7. *Helvella leucomelaena* (Pers.) Nannf.

Kaplanhanı village, in pine forest, 11.05.2002, K, A, Ö, D 1551. Frontier of Alanya district, in pine forest, 19.05.2001, K, A, Ö, D 1278.

Pezizaceae

8. *Peziza granulosa* Schumach.

Karapınar village, in pasture, 22.04.2002, K, A, Ö, D 1477.

Pyronemataceae

9. *Geopora sumneriana* (Cooke) M. Torre

Between Sarımut village-Şifalı su place, in oak forest, 22.04.2002, K, A, Ö, D 1468.

10. *Scutellinia scutellata* (L.: St. Amans)

Lambotte

Between Sarımut village-Şifalı su place, in oak forest, 22.04.2002, K, A, Ö, D 1489.

Caloscyphaceae

11. *Caloscypha fulgens* (Pers.) Boud.

Karapınar village, in fir forest, 22.04.2002, K, A, Ö, D 1467. The first bridge previous from Beyreli village, in fir forest, 11.05.2002, K, A, Ö, D 1559.

Leotiomycetes

Helotiales

Helotiaceae

12. *Bisporella citrina* (Batsch) Korf & S.E.

Carp.

Sarımut village, on dead branche of oak, 22.04.2002, K, A, Ö, D 1480.

BASIDIOMYCOTA

Dacrymycetes

Dacrymycetales

Dacrymycetaceae

13. *Dacrymyces variisporus* Mc Nabb

Sarımut village, on dead branche of pine, 22.04.2002, K, A, Ö, D 1474.

Agaricomycetes

Gomphales

Gomphaceae

14. *Ramaria flava* (Schaeff.: Fr.) Quéf.

Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 963. The first bridge previous from Beyreli village, in fir-pine mixed forest, 11.05.2002, K, A, Ö, D 1563. Kuş Yuvası place, in pine forest, 11.05.2002, K, A, Ö, D 1544.

15. *Ramaria flavescens* (Schaeff.) Petersen

Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 984.

**Thelephorales****Bankeraceae****16. *Sarcodon imbricatus* (L.) P. Karst.**

Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 971, 987.

17. *Boletopsis leucomelaena* (Pers.) Fayod

Beyreli village, in pine forest, 09.12.2000, K, A, Ö, D 1005. Frontier of Alanya district, in pine forest, 19.11.2000, K, A, Ö, D 963. Elmalı su place, 17.11.2001, K, A, Ö, D 1393.

Polyporales**Ganodermataceae****18. *Ganoderma carnosum* Pat.**

Elmalı su place, on stump of fir, 17.11.2001, K, A, Ö, D 1394.

Hymenochaetales**Hymenochaetaceae****19. *Phellinus hartigii* (Allesch. & Schnabl)**

Pat. Frontier of Alanya district, on trunk of fir, 19.11.2000, K, A, Ö, D 991.

20. *Phellinus igniarius* (L.) Quél.

Gevne place, on trunk of willow, 19.11.2000, K, A, Ö, D 990. Şifalı su place, on trunk of willow, 11.05.2002, K, A, Ö, D 1557.

21. *Porodaedalea pini* (Brot.) Murrill

Beyreli village, on trunk of pine, 09.12.2000, K, A, Ö, D 1000.

Polyporales**Polyporaceae****22. *Pyrofomes demidoffii* (Lév.) Kotl. &**

Pouzar Kaplanhanı, on trunk of juniper, 11.05.2002, K, A, Ö, D 1548.

23. *Fomes fomentarius* (L.) J. Kickx f.

Şifalı su place, on trunk of poplar, 11.05.2002, K, A, Ö, D 1556.

24. *Trichaptum abietinum* (Dicks.)

Ryvarden Frontier of Alanya district, on dead branche of fir, 19.11.2000, K, A, Ö, D 988. Beyreli village, on dead branche of fir, 09.12.2000, K, A, Ö, D 1004. Junction of Kestel-Gökbek plateau, on dead branche of fir, 17.11.2001, K, A, Ö, D 1432.

Gloeophyllales**Gloeophyllaceae****25. *Gloeophyllum trabeum* (Pers.) Murrill**

Elmalı su place, on dead branche of fir, 17.11.2001, K, A, Ö, D 1392.

Gastrales**Gastraceae****26. *Geastrum fimbriatum* Fr.**

Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 974, 980, 992. Junction of Sarıveliler town, in pine forest, 09.12.2000, K, A, Ö, D 1021. Beyreli village, in fir forest, 18.11.2001, K, A, Ö, D 1449.

27. *Geastrum pectinatum* Pers.

Tosmur plateau, in fir-pine mixed forests, 18.11.2000, 18.11.2001, K, A, Ö, D 965, 1465. Beyreli village, in fir-pine mixed forests, 09.12.2000, K, A, Ö, D 1007. Elmalı su place, in fir forest, 17.11.2001, K, A, Ö, D 1387.

28. *Geastrum rufescens* Pers.

Beyreli village, Çayarası place, in fir forest, 09.12.2000, K, A, Ö, D 1008, 1031.

29. *Geastrum schmidelii* Vittad.

Junction of Sarıveliler town, in pine forest, 17.11.2001, K, A, Ö, D 1443.

30. *Geastrum triplex* Jungh.

Elmalı su place, in fir forest, 17.11.2001, K, A, Ö, D 1386.

Boletales**Rhizopogonaceae****31. *Rhizopogon roseolus* (Corda) Th. Fr.**

Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1388. Karapınar village, in pine forest, 19.05.2001, K, A, Ö, D 1321.

Boletaceae**32. *Boletus edulis* Bull.**

Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 976.

Suillaceae**33. *Suillus luteus* (L.) Roussel**

Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1378.

**Gomphidiaceae**

34. *Chroogomphus helveticus* (Singer) M.M. Moser
Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1396.

35. *Chroogomphus rutilus* (Schaeff.) O.K. Mill.
Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1395.

Agaricales**Schizophyllaceae**

36. *Schizophyllum commune* Fr.
Between Sarımut village-Şifalı su place, on dead wood of oak, 22.04.2002, K, A, Ö, D 1499.

Pleurotaceae

37. *Pleurotus ostreatus* (Jacq.: Fr.) Kumm.
Beyreli village, on trunk of poplar, 18.11.2001, K, A, Ö, D 1458.

Hygrophoraceae

38. *Ampulloclitocybe clavipes* (Pers.) Redhead, Lutzoni, Moncalvo & Vilgalys
Junction of Kestel-Gökbel plateau, in pine forest, 17.11.2001, K, A, Ö, D 1419.

39. *Hygrophorus erubescens* (Fr.) Fr.
Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 972.

Agaricaceae

40. *Agaricus campestris* L.
The first bridge previous from Beyreli village, in pasture, 11.05.2002, K, A, Ö, D 1562.

41. *Agaricus urinascens* (Jul. Schäff. & F.H. Møller) Singer var. *urinascens*
Tosmur plateau, in pasture, 18.11.2000, K, A, Ö, D 986.

42. *Agaricus pampeanus* Speg.
Kaplanhanı village, in pasture, 11.05.2002, K, A, Ö, D 1545.

43. *Coprinus comatus* (O.F. Müll.) Pers.
Kuş yuvası place, in pasture, 11.05.2002, K, A, Ö, D 1481.

44. *Bovista plumbea* Pers.
Şifalı su place, in pasture, 11.05.2002, K, A, Ö, D 1555.

45. *Lycoperdon molle* Pers.
Frontier of Alanya district, in pine forest,

19.11.2000, K, A, Ö, D 989.

46. *Lycoperdon perlatum* Pers.
Beyreli village, in fir-pine mixed forest, 09.12.2000, 18.11.2001, K, A, Ö, D 1013, 1466.

47. *Lycoperdon utriforme* Bull.
Çayarası place, in pasture, 09.12.2000, K, A, Ö, D 1028.

Tricholomataceae

48. *Clitocybe gibba* (Pers.: Fr.) P. Kumm.
Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1363.

49. *Lepista nuda* (Bull.) Cooke
Junction of Kestel-Gökbel plateau, in pine forest, 17.11.2001, K, A, Ö, D 1400.

50. *Melanoleuca cognata* (Fr.) Konr. & Maubl.
Kaplanhanı village, in fir forest, 11.05.2002, K, A, Ö, D 1547.

51. *Melanoleuca excissa* (Fr.) Singer
Sarımut village, in pasture, 22.04.2002, K, A, Ö, D 1487.

52. *Melanoleuca humilis* (Pers.) Pat.
Karapınar village, in pasture, 17.11.2001, K, A, Ö, D 1442.

53. *Melanoleuca melaleuca* (Pers.) Murrill
The first bridge previous from Beyreli village, in fir-pine mixed forest, 11.05.2002, K, A, Ö, D 1561.

54. *Melanoleuca stridula* (Fr.) Singer
Junction of Kestel-Gökbel plateau, in pasture, 17.11.2001, K, A, Ö, D 1407. Sarımut village, in pasture, 22.04.2002, K, A, Ö, D 1476.

55. *Omphalina rivulicola* (J. Favre) Lamoure
Beyreli village, in meadows, 09.12.2000, K, A, Ö, D 1012.

56. *Tricholoma apium* Jul. Schäff.
Tosmur plateau, in pine forest, 18.11.2000, K, A, Ö, D 969.

57. *Tricholoma batschii* Gulden
Beyreli village, in pine forest, 09.12.2000, K, A, Ö, D 1011. Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1391.

58. *Tricholoma imbricatum* (Fr.) P. Kumm.
Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1381.



59. *Tricholoma myomyces* (Pers.) J.E. Lange
Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 973. Beyreli village, in pine forest, 09.12.2000, K, A, Ö, D 1006, 1015. Junction of Kestel-Gökbek plateau, in pine forest, 17.11.2001, K, A, Ö, D 1417. The first bridge previous from Beyreli village, in pine forest, 11.05.2002, K, A, Ö, D 1564.

60. *Tricholoma radotinense* Pilat & Charvat
Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 958,962. Beyreli village, in pine forest, 09.12.2000, 18.11.2001, K, A, Ö, D 1016, 1464. Junction of Kestel-Gökbek plateau, in pine forest, 17.11.2001, K, A, Ö, D 1423.

61. *Tricholoma scalpturatum* (Fr.) Quél.
Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 961, 979, 982. Beyreli village, in fir-pine mixed forest, 09.12.2000, K, A, Ö, D 1009.

62. *Tricholoma stans* (Fr.) Sacc.
Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1422.

63. *Tricholoma virgatum* (Fr.) P. Kumm.
Junction of Kestel-Gökbek plateau, in pine forest, 17.11.2001, K, A, Ö, D 1428.

Physalacriaceae

64. *Armillaria tabescens* (Scop.) Emel
Sarımüt village, on stump of oak, 17.11.2001, K, A, Ö, D 1441.

65. *Oudemansiella melanotricha* (Dörfelt) M.M. Moser

Beyreli village, Çayarası place, on stump of fir, 09.12.2000, K, A, Ö, D 998,1033. Karapınar village, Sarımüt village, on stump of fir, 11.05.2002, K, A, Ö, D 1433, 1438.

66. *Strobilurus esculentus* (Wulfen) Singer
The first bridge previous from Beyreli village, in pine forest, 11.05.2002, K, A, Ö, D 1565.

67. *Strobilurus stephanocystis* (Kühner & Romagn. ex Hora) Singer
Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1385.

Marasmiaceae

68. *Gymnopus ocior* (Pers.) Antonín & Noordel.

Beyreli village, in fir-pine mixed forest, 18.11.2001, K, A, Ö, D 1448.

Mycenaceae

69. *Mycena hiemalis* (Osbeck) Quél.
Junction of Kestel-Gökbek plateau, in oak forest, 17.11.2001, K, A, Ö, D 1403.

70. *Mycena inclinata* (Fr.) Quél.
Çayarası place, in oak forest, 09.12.2000, K, A, Ö, D 1030. Karapınar village, in oak forest, 17.11.2001, K, A, Ö, D 1431.

71. *Mycena metata* (Secr. ex Fr.) P. Kumm.
Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1401,1402.

72. *Mycena parabolica* (Fr.) Quél.
Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1379.

73. *Mycena polygramma* (Bull.) Gray
Beyreli village, in pine forest, 18.11.2001, K, A, Ö, D 1452.

74. *Mycena sanguinolenta* (Alb. & Schwein.) P. Kumm.
Beyreli village, in fir-pine forest, 09.12.2000, K, A, Ö, D 1017.

75. *Mycena silvae-nigrae* Maas Geest. & Schwöbel
Junction of Kestel-Gökbek plateau, in pine forest, 17.11.2001, K, A, Ö, D 1404.

76. *Xeromphalina campanella* (Batsch) Maire
Elmalı su place, in pine forest, 17.11.2001, K, A, Ö, D 1398. The first bridge previous from Beyreli village, in pine forest, 11.05.2002, K, A, Ö, D 1558.

Psathyrellaceae

77. *Coprinopsis atramentaria* (Bull.) Redhead, Vilgalys & Moncalvo
Sarımüt village, in pasture, 22.04.2002, K, A, Ö, D 1479.

78. *Coprinellus micaceus* (Bull.) Vilgalys, Hopple & Jacq. Johnson
Kaplanhanı, on dead wood of oak, 11.05.2002, K, A, Ö, D 1550.

79. *Psathyrella candolleana* (Fr.) Maire
Near the Gevne bridge, in meadows, 19.05.2001, K, A, Ö, D 1317.

80. *Psathyrella teprophylla* (Romagn.) M.M. Moser
Near the Gevne bridge, in meadows, 19.05.2001, K, A, Ö, D 1318.

**Bolbitiaceae**

81. *Conocybe semiglobata* Kühner & Watling

Junction of Kestel-Gökbek plateau, in pine forest, 17.11.2001, K, A, Ö, D 1409.

Strophariaceae

82. *Agrocybe dura* (Bolton) Singer

Near the Gevne bridge, in meadows, 19.05.2001, K, A, Ö, D 1319.

83. *Agrocybe paludosa* (J.E. Lange) Kühner & Romagn.

Sarımut village, in meadows, 19.05.2001, K, A, Ö, D 1309.

84. *Stropharia semiglobata* (Batsch) Quéf.

Beyreli village, in meadows, 18.11.2001, K, A, Ö, D 1455.

85. *Hebeloma eburneum* Malençon

Beyreli village, in pine forest, 09.12.2000, K, A, Ö, D 1002.

86. *Hebeloma mesopheum* (Pers.) Quéf.

Karapınar village, in fir forest, 20.05.2001, K, A, Ö, D 1320.

87. *Hebeloma sinapizans* (Fr.) Sacc.

Karapınar village, in fir forest, 20.05.2001, K, A, Ö, D 1323.

88. *Galerina atkinsoniana* A.H.Sm.

Elmalı su place, in fir forest, 17.11.2001, K, A, Ö, D 1362.

89. *Galerina badipes* (Fr.) Kühner

Junction of Sarıveliler town, on cone of pine, 19.05.2001, K, A, Ö, D 1295.

90. *Galerina clavus* Romagn.

Elmalı su place, in fir forest, 17.11.2001, K, A, Ö, D 1376.

91. *Gymnopilus penetrans* (Fr.) Murrill

Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 975.

Inocybaceae

92. *Inocybe abietis* Kühner

Karapınar village, in fir forest, 20.05.2001, K, A, Ö, D 1335.

93. *Inocybe rimosa* (Bull.) P. Kumm.

Junction of Sarıveliler town, in pine forest, 09.12.2000, K, A, Ö, D 1022.

94. *Inocybe fuscidula* Bres.

Karapınar village, in pine forest, 20.05.2001,

K, A, Ö, D 1330.

95. *Inocybe geophylla* (Fr.) P. Kumm.

Elmalı su place, in fir forest, 17.11.2001, K, A, Ö, D 1365.

96. *Inocybe hirtella* Bres.

Elmalı su place, in fir forest, 17.11.2001, K, A, Ö, D 1364.

97. *Inocybe erubescens* A. Blytt

Junction of Kestel-Gökbek plateau, in pine forest, 17.11.2001, K, A, Ö, D 1412.

98. *Inocybe whitei* (Berk. & Broome) Sacc.

Beyreli village, in fir-pine mixed forests, 09.12.2000, K, A, Ö, D 1026.

99. *Inocybe queletii* Konrad

Near the Gevne stream, in fir-pine mixed forest, 19.05.2001, K, A, Ö, D 1315.

Cortinariaceae

100. *Cortinarius albidus* subsp. *europaeus* (M.M. Moser) Quadr.

Tosmur plateau, in fir-pine mixed forest, 18.11.2000, K, A, Ö, D 977, 985. Frontier of Alanya district, in pine forest, 19.11.2000, K, A, Ö, D 994.

101. *Cortinarius flavopallidus* (M.M. Moser) M.M. Moser

Beyreli village, in fir-pine mixed forests, 09.12.2000, K, A, Ö, D 999.

102. *Cortinarius melanotus* Kalchbr.

Tosmur plateau, in fir-pine mixed forests, 18.11.2000, K, A, Ö, D 964, 968, 970.

103. *Cortinarius subvalidus* Rob. Henry.

Beyreli village, in fir-pine mixed forests, 09.12.2000, K, A, Ö, D 1001.

Russulales**Russulaceae**

104. *Lactarius deliciosus* (L.) Gray.

Frontier of Alanya district, in pine forest, 19.05.2001, K, A, Ö, D 1281.

105. *Lactarius salmonicolor* R. Heim & Leclair

Elmalı su place, in pine forest, 19.11.2001, Elmalı su, K, A, Ö, D 1373.

106. *Russula delica* Fr.

Elmalı su place, in pine forest, 19.11.2001, Elmalı su, K, A, Ö, D 1368.



107. *Russula emetica* (Schaeff.) Pers.
Frontier of Alanya district, in pine forest,
19.05.2001, K, A, Ö, D 1280.

108. *Russula erythropus* Fr. ex Pelt.
Elmalı su place, in pine forest, 17.11.2001, K,
A, Ö, D 1397.

Stereaceae

109. *Stereum hirsutum* (Willd.) Pers.
Tosmur plateau, on trunk of oak, 18.11.2000,
K, A, Ö, D 981. Between Sarımut village-Şifalı su
place place, on dead branche of oak, 22.04.2002, K,
A, Ö, D 1491.

110. *Stereum sanguinolentum* (Alb. &
Schwein.) Fr.

Beyreli village, on dead of branche of oak,
19.05.2001, K, A, Ö, D 1277.

Discussion

With this study, 110 macrofungi taxa have
been determined. Of these, 12 belong to *Ascomycota*
and 98 belong to *Basidiomycota*.

The distrubition of 110 species into the
families are as follows: *Pezizaceae*, *Caloscyphaceae*,
Helotiaceae, *Dacrymycetaceae*, *Ganodermataceae*,
Gloeophyllaceae, *Boletaceae*, *Suillaceae*,
Schizophyllaceae, *Rhizopogonaceae*, *Pleurotaceae*,

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Marasmiaceae, *Bolbitiaceae* 1; *Helvellaceae*,
Pyronemataceae, *Gomphaceae*, *Gomphidiaceae*,
Bankeraceae, *Hygrophoraceae*, *Stereaceae* 2;
Hymenochaetaceae, *Polyporaceae* 3;
Physalacriaceae, *Psathyrellaceae*, *Cortinariaceae*
4; *Morchellaceae*, *Geastraceae*, *Russulaceae* 5;
Agaricaceae, *Mycenaceae*, *Inocybaceae* 8;
Strophariaceae 10 and *Tricholomataceae* 16.

The distribution of species as their habitats are
given table 1.

As the Table 1, most of the samples have been
determined in pine forest (55) and the most
widespread family is *Tricholomataceae*. The
member of *Tricholomataceae* family grows in pine
forest (13), fir-pine mixed forest (5), fir forest (5) and
pasture-meadow (5). Of this, *Strophariaceae* family
follows as fir-pine mixed forest (1), fir forest (4), pine
forest (2) and pasture-meadow (3).

The other families members separately grows
on the different habitats and they are not abundant on
specific habitats.

Acknowledgements

This project, which is project number
2000/028, has been supported by the Selçuk
University Research Council.



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Table 1. The distribution of families as their habitats.

FAMILIES	HABITATS							
	Mixed (Fir-Pine)	Fir	Pine	Oak	Juniper	Willow	Poplar	Pasture- meadow
<i>Morchellaceae</i>			4					1
<i>Helvellaceae</i>		1	3					
<i>Pezizaceae</i>								1
<i>Pyronemataceae</i>				2				
<i>Caloscyphaceae</i>		2						
<i>Helotiaceae</i>				1				
<i>Dacrymycetaceae</i>			1					
<i>Gomphaceae</i>	3		1					
<i>Bankeraceae</i>	1		2					
<i>Ganodermataceae</i>		1						
<i>Hymenochaetaceae</i>		1	1			2		
<i>Polyporaceae</i>		3			1		1	
<i>Gloeophyllaceae</i>		1						
<i>Schizophyllaceae</i>				1				
<i>Gaeastraceae</i>	3	4	2					
<i>Rhizopogonaceae</i>			2					
<i>Boletaceae</i>	1							
<i>Suillaceae</i>			1					
<i>Gomphidiaceae</i>			2					
<i>Pleurotaceae</i>							1	
<i>Hygrophoraceae</i>	1		1					
<i>Tricholomataceae</i>	5	1	13					5
<i>Agaricaceae</i>	1		1					6
<i>Physalacriaceae</i>		4	2	1				
<i>Marasmiaceae</i>	1							
<i>Mycenaceae</i>	1		7	3				
<i>Psathyrellaceae</i>				1				3
<i>Bolbitiaceae</i>			1					
<i>Strophariaceae</i>	1	4	2					3
<i>Inocybaceae</i>	2	3	3					
<i>Cortinariaceae</i>	7		1					
<i>Russulaceae</i>			5					
<i>Stereaceae</i>				3				
TOTAL	27	25	55	12	1	2	2	19