

Macrofungal diversity of Adiyaman Province (Turkey)

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Abstract —This study was carried out on the macrofungal specimens collected from Adiyaman province of Turkey during 2001–2009; a total of 189 taxa were identified. Including the 33 taxa previously reported, a list of 222 taxa belonging to 98 genera of 42 families has been compiled. Three taxa, *Conocybe pilosella*, *Coprinopsis gonophylla*, and *Stropharia melanosperma* are new records for the macromycota of Turkey. The complete list is available on: <http://www.mycotaxon.com/resources/weblists.html>.

Key words — biodiversity, mushrooms

Introduction

According to available records, studies on the macromycota of Turkey started in the first quarter of 20th century and there has been an increase in the number of such studies, especially in the last three decades. By the end of 2008, about 1814 macromycete taxa reported from Turkey in 416 published studies by foreign and Turkish researchers have been compiled in checklists (Solak et al. 2007, Sesli & Denchev 2008). Solak et al. (2009) and Kaya (2009a) also added to the list. Considering the macrofungal diversity estimates of Mueller et al. (2007) regarding the plant/macrofungus ratios of temperate regions, there is still much to be done to obtain the overall macrofungal data of Turkey. To date, Kaya et al. (2004) and Kaya (2005, 2009b,c) have published studies with data on collections from Besni, Gölbaşı, Tut districts, and Nemrut Mount National Park within Adiyaman. The current study was based on macrofungi collected from the rest of Adiyaman province and aims to determine the fungal diversity of the region and contribute to the knowledge of the macromycota of Turkey.

Adiyaman is a Southeastern Anatolian vilayet of Turkey with a surface area of 7614 km² situated in C7 square according to Davis' grid square system (Davis 1965). The central district is located on the foothills of the Southeastern Taurus Mountains. The province generally has a very rough terrain and the land, which generally descends from north to south, is broken up by many deep gorges. The province is bordered by the Taurus Mountains to the north and the river Euphrates to the south. Adiyaman has a Mediterranean climate (Emberger's formula; Akman 1999) characterized by cold rainy winters and dry summers, with an annual average temperature of 17.2°C

and annual rainfall of ~685 mm. The river Euphrates, Atatürk Dam Lake, and many streams that flow into the lake from the southern foothills of Taurus Mountains are among the important hydrologic factors affecting the climate for macrofungal growth. The plant cover in Adiyaman is a mixture of Mediterranean, Southeastern, and Eastern vegetation. Forest areas are characterised mainly by *Quercus* and planted *Pinus brutia* populations. Members of the genera *Pistacia*, *Rhus*, *Paliurus*, *Prunus*, *Morus*, *Crataegus*, *Acacia*, *Cedrus*, *Amygdalus*, *Nerium*, and *Rosa* are other representative tree populations in the region. Various species of *Salix*, *Populus*, *Platanus*, and *Tamarix* are dominant along the river and stream banks.

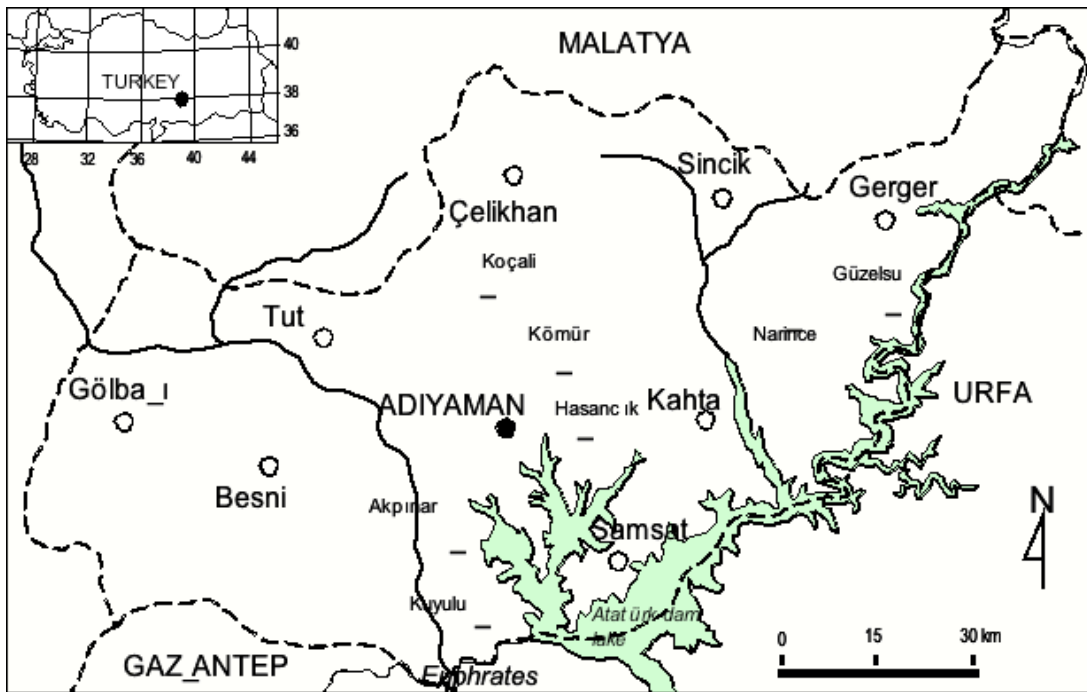


Figure 1. Macrofungi collecting area

Materials and methods

Periodic fungal inventories were conducted between October 2001 and May 2009; macrofungal samples were collected from 110 localities in Adiyaman Province, Turkey. The majority of collection sites were in naturally growing oak forests, planted pine forests, meadows, pastures, and streamsides. During field studies, color photographs of the specimens were taken for macroscopic descriptions and placed in specially prepared paper boxes together with the recorded field data. Macroscopic and microscopic investigations were carried out later in the herbarium. Measurements of basidiospores and other microscopic structures were made from slide preparations mounted in

3% KOH. Specimens were identified according to Phillips (1981), Moser (1983), Miller & Miller (1988), Breitenbach & Kränzlin (1984–2005), Candusso & Lanzoni (1990), Buczacki (1992), Jordan (1995), Bessette et al. (1997), and Antonín & Noordeloos (1997) or comparisons with our previously identified samples and VANF herbarium collections. Fruit bodies were preserved by drying on a specially designed low heat electric dryer and deposited in the fungarium of Adıyaman University Education Faculty, Adıyaman, Turkey.

Results

Determined 189 taxa are listed alphabetically with habitat, locality, collection date, and accession numbers (K: Kaya). Author citations are abbreviated according to <http://www.indexfungorum.org/AuthorsOfFungalNames.htm> and the systematics of the taxa are in accordance with Cannon & Kirk (2007), Kirk et al. (2008), and Index Fungorum (www.speciesfungorum.org; accessed 29 May 2009). The 33 taxa previously found and reported in the province (Kaya et al. 2004, Kaya 2005, 2009b,c), were added to the list together with their references. The checklist currently contains 222 taxa representing 98 genera and 42 families. *Conocybe pilosella* (Pers.) Kühner 1935, *Coprinopsis gonophylla* (Quél.) Redhead et al. 2001 and *Stropharia melanosperma* (Bull. ex Pers.) Gillet 1878, are new records for the macromycota of Turkey. Newly recorded taxa are marked by an asterisk (*).

Fungi

Ascomycota

Pezizales

Caloscyphaceae

1. *Caloscypha fulgens* (Pers.) Boud.: In needle litter under *Abies* sp., locality 107, 10.05.2009, K. 6375.

Helvellaceae

2. *Helvella acetabulum* (L.) Quél.: Under *Populus* sp., locality 4, 24.04.2005, K. 2760; in *Quercus* sp. forest, locality 47, 09.05.2009, K. 6280.
3. *Helvella costifera* Nannf.: In *Pinus brutia* forest, locality 18, 24.03.2001, K. 1292; locality 103, 15.03.2009, K. 6074.
4. *Helvella lacunosa* Afzel.: In grass on flood plain, locality 14, 17.03.2001, K. 1251; locality 39, 25.04.2003, K. 2088.
5. *Helvella leucomelaena* (Pers.) Nannf.: In *Pinus brutia* forest, locality 18, 11.03.2001, K. 1286; locality 52, 25.03.2001, K. 1309; locality 3, 11.04.2003, K. 1968; locality 19, 25.04.2003, K. 2076; locality 3, 25.03.2005, K. 2658; locality 17, 08.03.2009, K. 5985; locality 103, 15.03.2009, K. 6069; locality 89, 15.03.2009, K. 6076; locality 108, 10.05.2009, K. 6364.

6. *Helvella leucopus* Pers.: On sandy soil on floodplain, locality 14, 17.03.2001, K. 1249; locality 52, 11.04.2002, K. 1561; locality 75, 21.03.2009, K. 6115; among grass under *Populus* sp., locality 39, 26.04.2003, K. 2094.
7. *Helvella queletii* Bres.: In grass on flood plain, locality 20, 18.03.2001, K. 1266.

Morchellaceae

8. *Mitrophora semilibera* (DC.) Lév.: Under *Populus* sp., locality 20, 18.03.2001, K. 1264; locality 58, 09.05.2009, K. 6334; under *Salix* sp. on floodplain, locality 52, 26.03.2009, K. 6140.
9. *Morchella deliciosa* Fr.: Under *Populus* sp., locality 39, 25.04.2003, K. 2090; locality 4, 24.04.2005, K. 2762.
10. *Morchella elata* Fr.: In *Pinus brutia* forest, locality 3, 27.03.2001, K. 1315; under *Populus* sp., locality 58, 09.05.2009, K. 6340.
11. *Morchella rigida* (Krombh.) Boud.: Under *Populus* sp. on flood plain, locality 20, 03.04.2001, K. 1362; locality 58, 08.05.2003, K. 2262; under *Salix* sp. on floodplain, locality 52, 26.03.2009, K. 6139; locality 54, 09.05.2009, K. 6349.
12. *Morchella vulgaris* Pers.: (Kaya 2009b).
13. *Verpa bohemica* (Krombh.) J. Schröt.: On woody debris, locality 52, 13.03.2005, K. 2638.
14. *Verpa conica* (O.F. Müll.) Sw.: Under *Crataegus* sp. in mixed forest, locality 52, 25.03.2001, K. 1305; under *Salix* sp., locality 34, 01.05.2003, K. 2173; locality 67, 08.04.2009, K. 6223.

Pezizaceae

15. *Peziza arenaria* Osbeck: Among grass, locality 14, 12.03.2005, K. 2627.
16. *Peziza granulosa* Schumach.: On soil under in *Pinus brutia* forest, locality 3, 02.05.2003, K. 2178; on woody debris, locality 51, 08.04.2009, K. 6229.
17. *Peziza violacea* Pers.: On soil among grass on floodplain, locality 52, 26.03.2009, K. 6124.
18. *Sarcosphaera coronaria* (Jacq.) Boud.: In *Pinus brutia* forest, locality 103, 15.03.2009, K. 6066.

Pyronemataceae

19. *Geopora arenicola* (Lév.) Kers: Among grass, locality 18, 24.03.2001, K. 1281; among grass in *Pinus brutia* forest clearing, locality 102, 30.03.2008, K. 5217; locality 103, 28.02.2009, K. 5909; locality 17, 08.03.2009, K. 5981; locality 90, 14.03.2009, K. 6057; locality 52, 26.03.2009, K. 6146; on soil among grass, locality 85, 28.03.2009, K. 6148.
20. *Geopora sumneriana* (Cooke) M. Torre: Under *Cedrus* sp., locality 3, 27.03.2001, K. 1316; locality 53, 09.05.2009, K. 6355; locality 109, 10.05.2009, K. 6380.
21. *Scutellinia scutellata* (L.) Lambotte: On damp soil, locality 3, 23.02.2002, K. 1632.
22. *Tarzetta cupularis* (L.) Svrček: On woody debris, locality 26, 28.03.2001, K. 1318.

Basidiomycota

Agaricales

Agaricaceae

23. *Agaricus bitorquis* (Quél.) Sacc.: Among grass in *Pinus brutia* forest clearing, locality 03, 02.04.2009, K. 6181.
24. *Agaricus campestris* L.: In manured meadow, locality 14, 11.01.2001, K. 1089; locality 43, 27.03.2006, K. 3478; locality 84, 12.03.2009, K. 6054; locality 73, 14.03.2009, K. 6055; on manured soil in garden, locality 43, 27.03.2006, K. 3478; locality 48, 21.11.2007, K. 4938; in pasture, locality 61, 16.11.2008, K. 5430.
25. *Agaricus xanthoderma* Genev.: (Kaya et al. 2004).
26. *Bovista plumbea* Pers.: In pasture, locality 29, 18.03.2001, K. 1256; locality 10, 05.05.2001, K. 1438.
27. *Coprinus comatus* (O.F. Müll.) Pers.: Among grass, locality 18, 24.03.2001, K. 1283; locality 92, 20.03.2001, K. 1273; locality 32, 25.03.2001, K. 1301; locality 41, 03.03.2002, K. 1506; locality 33, 26.10.2008, K. 5315; locality 85, 28.03.2009, K. 6147; locality 13, 30.03.2009, K. 6176; In *Pinus brutia* forest, locality 27, 07.04.2002, K. 1537; locality 3, 07.04.2005, K. 2663; locality 102, 02.04.2009, K. 6184.
28. *Coprinus heterothrix* Kühner: On damp soil in mixed forest, locality 3, 30.11.2003, K. 2461.
29. *Crucibulum laeve* (Huds.) Kambly: On dead *Populus* sp. twigs, locality 4, 14.01.2001, K. 1121.
30. *Cyathus olla* (Batsch) Pers.: On remains of grass, locality 3, 30.03.2001, K. 1327; locality 14, 31.10.2008, K. 5332; locality 91, 19.11.2008, K. 5489; on *Eleagnus* sp. stump, locality 10, 14.04.2001, K. 1414.
31. *Cyathus stercoreus* (Schwein.) De Toni: (Kaya 2005).
32. *Cystodermella cinnabarina* (Alb. & Schwein.) Harmaja: In *Pinus brutia* forest, locality 3, 22.11.2005, K. 3209.
33. *Cystodermella granulosa* (Batsch) Harmaja: Among leaf litter under *Quercus* sp., locality 61, 04.12.2008, K. 5719.
34. *Lepiota cristata* (Bolton) P. Kumm.: Among herbs on floodplain, locality 75, 19.11.2007, K. 4925.
35. *Lepiota erminea* (Fr.) Gillet: Among grass in *Pinus brutia* forest, locality 3, 10.04.2001, K. 1405; under *Quercus* sp., locality 61, 16.11.2008, K. 5442.
36. *Lepiota lilacea* Bres.: On rotting wood among grass, locality 91, 26.11.2008, K. 5546.
37. *Leucoagaricus leucothites* (Vittad.) Wasser: In grass at *Pinus brutia* forest edge, locality 42, 30.10.2002, K. 1914; locality 52, 15.11.2003, K. 2441; locality 45, 13.10.2004, K. 2536; locality 102, 13.12.2006, K. 4324; locality 23, 12.10.2008, K. 5240; in meadow at stream bank, locality 11, 18.10.2008, K. 5259.
38. *Lycoperdon molle* Pers.: In grass, locality 27, 25.11.2002, K. 1944; among grass in *Quercus* sp. forest, locality 80, 19.11.2007, K. 4928; locality 61, 16.11.2008, K. 5439; locality 68, 29.11.2008, K. 5631; locality 9, 04.12.2008, K. 5705; locality 72, 20.12.2008, K. 5884; locality 37, 01.11.2006, K. 3911.
39. *Lycoperdon perlatum* Pers.: (Kaya 2009b).
40. *Macrolepiota excoriata* (Schaeff.) M.M. Moser: Among grass in *Pinus brutia* forest clearing, locality 3, 01.12.2003, K. 2474; among grass in *Quercus* sp. forest, locality 67, 08.11.2008, K. 5404; locality 77, 23.11.2008, K. 5529.

41. *Macrolepiota mastoidea* (Fr.) Singer: In *Pinus brutia* forest, locality 3, 04.12.2005, K. 3310.
 42. *Tulostoma brumale* Pers.: On sandy soil on floodplain, locality 63, 19.04.2009, K. 6358.

Amanitaceae

43. *Amanita vaginata* (Bull.) Lam. var. *alba* Gillet: (Kaya 2009c).

Bolbitiaceae

44. *Bolbitius vitellinus* (Pers.) Fr. On decaying straw remains, locality 38, 26.04.2003, K. 2106.
 45. *Conocybe albipes* Hauskn.: In manured grass, locality 29, 17.03.2001, K. 1254; locality 45, 24.04.2003, K. 2073; locality 14, 12.03.2005, K. 2622; locality 104, 30.03.2008, K. 5219; locality 28, 17.05.2008, K. 5237; locality 5, 08.03.2009, K. 6023; locality 24, 30.03.2009, K. 6177; locality 30, 30.03.2009, K. 6179; locality 82, 02.04.2009, K. 6196; locality 93, 18.04.2009, K. 6246.
 46. *Conocybe aporos* Kits van Wav.: On damp soil among leaf litter, locality 52, 13.03.2005, K. 2639; locality 79, 28.02.2009, K. 5915; locality 82, 15.03.2009, K. 6079.
 47. *Conocybe arrhenii* (Fr.) Kits van Wav.: On nutrient rich soil in woody debris, locality 3, 15.03.2005, K. 2649.
 48. *Conocybe blattaria* (Fr.) Kühner: On damp, nutrient rich soil, locality 75, 23.11.2007, K. 4980.
 49. *Conocybe macrocephala* Kühner ex Singer: Among grass, locality 38, 26.04.2003, K. 2092.
 50. *Conocybe moseri* Watling: Among grass on floodplain, locality 5, 12.04.2008, K. 5222.
 51. **Conocybe pilosella* (Pers.) Kühner: On buried wood remains, locality 14, 15.11.2007, K. 4884; locality 61, 04.12.2008, K. 5738.
 52. *Conocybe rickeniana* P.D. Orton: In grass on floodplain, locality 75, 23.11.2007, K. 4974.
 53. *Conocybe rickenii* (Jul. Schäff.) Kühner: On damp, nutrient rich soil, locality 14, 15.11.2007, K. 4874.
 54. *Conocybe subovalis* Kühner & Watling: Among grass, locality 45, 24.04.2003, K. 2074.
 55. *Conocybe tenera* (Schaeff.) Fayod: In grass, locality 75, 28.03.2009, K. 6166.
 56. *Galeropsis lateritia* (Watling) G. Moreno, Heykoop & Illana: Among grass on flood plain, locality 14, 15.11.2007, K. 4892.
 57. *Panaeolus ater* (J.E. Lange) Kühner & Romagn: Among grass, locality 58, 09.05.2009, K. 6339.
 58. *Panaeolus fimicola* (Pers.) Gillet: In manured grass, locality 52, 08.04.2001, K. 1399.
 59. *Panaeolus guttulatus* Bres.: On soil around *Eleagnus* sp. stump, locality 10, 08.04.2001, K. 1391.
 60. *Panaeolus olivaceus* F.H. Møller: (Kaya 2009b).
 61. *Panaeolus papilionaceus* (Bull.) Quél. var. *papilionaceus*: On decaying manure among grass, locality 20, 03.04.2001, K. 1363; locality 6, 03.05.2003, K.2194; locality 91, 26.11.2008, K. 5553; locality 70, 08.04.2009, K. 6200; locality 62, 08.04.2009, K. 6211; locality 7, 09.05.2009, K. 6308.
 62. *Panaeolus sphinctrinus* (Fr.) Quél.: (Kaya 2005).

63. *Panaeolus subbalteatus* (Berk. & Broome) Sacc.: In manured grass, locality 14, 26.03.2006, K. 3475.

Cortinariaceae

64. *Cortinarius diasemospermus* Lamoure: (Kaya 2005).

Cyphellaceae

65. *Chondrostereum purpureum* (Pers.) Pouzar: On *Salix* sp. stump, locality 52, 15.12.2007, K. 4843.

Entolomataceae

66. *Entoloma rusticoides* (Gillet) Noordel.: On soil in *Pinus brutia* forest, locality 3, 30.11.2003, K. 2459; in pine-cedar forest, locality, 107, 10.05.2009, K. 6367.
67. *Entoloma sericeoides* (J.E. Lange) Noordel.: On soil in *Pinus brutia* forest, locality 3, 02.05.2003, K. 2177; locality 52, 26.03.2009, K. 6145.
68. *Entoloma sericeum* (Bull.) Quél. var. *sericeum*: Among grass in *Pinus brutia* forest clearing, locality 52, 11.11.2001, K.1496.
69. *Entoloma sinuatum* (Bull.) P. Kumm.: (Kaya et al. 2004).
70. *Entoloma undatum* (Fr.) M.M. Moser: Among grass in *Pinus brutia* forest, locality 3, 15.03.2005, K. 2650.

Hydnangiaceae

71. *Laccaria amethystina* Cooke: (Kaya 2009c).

Hygrophoraceae

72. *Hygrophorus camarophyllus* (Alb. & Schwein.) Dumée et al.: In *Pinus brutia* forest, locality 103, 05.12.2008, K. 5749.
73. *Hygrophorus chrysodon* (Batsch) Fr.: (Kaya 2009b).

Inocybaceae

74. *Crepidotus variabilis* (Pers.) P. Kumm.: (Kaya 2009c).
75. *Inocybe bongardii* (Weinm.) Quél. var. *pisciodora* (Donadini & Rioussset) Kuyper: In *Pinus brutia* forest, locality 18, 24.03.200, K. 1284; locality 3, 07.04.2005, K. 2665; locality 52, 12.11.2007, K. 4837; locality 102, 30.03.2008, K. 5218; locality 103, 22.02.2009, K. 5905; locality 17, 08.03.2009, K. 5991.
76. *Inocybe calida* Velen: (Kaya 2009c).
77. *Inocybe dulcamara* (Alb. & Schwein.) P. Kumm.: Among leaf litter under *Populus* sp., locality 7, 09.05.2009, K. 6311.
78. *Inocybe geophylla* (Pers.) P. Kumm. var. *geophylla*: In *Pinus brutia* forest, locality 103, 05.12.2008, K. 5754.
79. *Inocybe geophylla* var. *lilacina* Gillet: (Kaya 2009b).
80. *Inocybe perbrevis* (Weinm.) Gillet: Among grass on sandy soil on flood plain, locality 39, 26.04.2003, K. 2097.

81. *Inocybe rimosa* (Bull.) P. Kumm.: Among leaf litter under *Populus* sp., locality 20, 03.05.2003, K.2193; locality 39, 22.10.2008, K. 5286; under *Quercus* sp., locality 1, 16.11.2008, K. 5443.
82. *Phaeomarasmium erinaceus* (Pers.) Scherff. ex Romagn.: On *Quercus* sp. stump, locality 71, 29.11.2008, K. 5604.
83. *Tubaria conspersa* (Pers.) Fayod: On plant remains in *Pinus brutia* forest, locality 52, 25.03.2001, K. 1308; locality 91, 26.11.2008, K. 5537.
84. *Tubaria furfuracea* (Pers.) Gillet: On soil among herb in *Pinus brutia* forest clearing, locality 52, 30.11.2008, K. 5653.
85. *Tubaria romagnesia* Arnolds: On woody debris, locality 10, 23.04.2002, K. 1634.

Lyophyllaceae

86. *Calocybe gambosa* (Fr.) Donk: In grass under *Populus* sp., locality 58, 08.05.2003, K. 2261.

Marasmiaceae

87. *Crinipellis scabella* (Alb. & Schwein.) Murrill: Among herbs in *Pinus brutia* forest, locality 3, 30.11.2003, K. 2464.
88. *Gymnopus dryophilus* (Bull.) Murrill: On needle litter in *Pinus brutia* forest, locality 52, 12.11.2007, K. 4841; among leaf litter in *Quercus* sp. forest, locality 110, 30.11.2007, K. 5072; locality 66, 04.12.2008, K. 5700.
89. *Gymnopus ocior* (Pers.) Antonín & Noordel.: On needle litter in *Pinus brutia* forest, locality 3, 01.12.2003, K. 2471.
90. *Macrocystidia cucumis* (Pers.) Joss.: Among grass, locality 14, 11.01.2001, K. 1082; in *Pinus brutia* forest, locality 3, 22.11.2005, K. 3213; locality 52, 15.12.2007, K. 5141; in grass, locality 91, 26.11.2008, K. 5543; locality 1, 08.03.2009, K. 5980; locality 61, 21.03.2009, K. 6112.
91. *Marasmius androsaceus* (L.) Fr.: Among needle litter under pine trees, locality 45, 15.05.2006, K. 3779.
92. *Marasmius anomalus* Lasch: Roadside among grass, locality 10, 08.04.2001, K. 1390; locality 91, 26.11.2008, K. 5535.
93. *Marasmius oreades* (Bolton) Fr.: In grass, locality 34, 17.03.2001, K. 1243.
94. *Marasmius wynneae* Berk. & Broome: Among leaf litter under *Quercus* sp., locality 68, 29.11.2008, K.5633.
95. *Omphalotus illudens* (Schwein.) Bresinsky & Besl: (Kaya 2009c).

Mycenaceae

96. *Hemimycena lactea* (Pers.) Singer: On needle litter in *Pinus brutia* forest, locality 52, 15.12.2007, K. 5144.
97. *Hemimycena pithya* (Fr.) Dörfelt: (Kaya 2009b).
98. *Mycena galericulata* (Scop.) Gray: On *Quercus* sp. stump, locality 47, 09.05.2009, K. 6284; locality 16, 09.05.2009, K. 6327.
99. *Mycena galopus* (Pers.) P. Kumm. var. *galopus*: (Kaya 2009c).

100. *Mycena seynesii* Quél.: On *Pinus brutia* cones, locality 103, 13.12.2006, K. 4331.
101. *Xeromphalina campanella* (Batsch) Maire: On rotten stump of *Pinus brutia*, locality 52, 04.04.2004, K. 2506.
102. *Xeromphalina fellea* Maire & Malençon: (Kaya 2009b).

Physalacriaceae

103. *Armillaria mellea* (Vahl) P. Kumm.: On *Populus* sp. stump, locality 35, 04.12.2005, K. 3312; locality 20, 14.11.2007, K. 4871; locality 91, 19.11.2008, K. 5481; locality 25, 20.11.2008, K. 5498.
104. *Xerula radicata* (Relhan) Dörfelt: On decaying wood, locality 11, 19.11.2007, K. 4932.

Pleurotaceae

105. *Hohenbuehelia petaloides* (Bull.) Schulzer: On decaying wood, locality 61, 04.12.2008, K. 5727.
106. *Pleurotus eryngii* (DC.) Gillet: On *Ferula* sp. remains, locality 14, 12.03.2005, K. 2619; locality 78, 08.11.2008, K. 5368.
107. *Pleurotus ostreatus* (Jacq.) P. Kumm.: On *Populus* sp. stump, locality 6, 10.01.2001, K. 1080; locality 17, 12.01.2001, K. 1096; locality 52, 13.03.2005, K. 3293; locality 21, 21.11.2007, K. 4941; locality 83, 18.10.2008, K. 5267; locality 74, 29.10.2008, K. 5316; locality 87, 29.11.2008, K. 5644.

Pluteaceae

108. *Pluteus diettrichii* Bres.: (Kaya 2005).
109. *Pluteus petasatus* (Fr.) Gillet: On decaying *Quercus* sp. wood, locality 32, 31.04.2003, K. 2162.
110. *Pluteus podospileus* Sacc. & Cub. f. *podospileus*: On decaying wood, locality 3, 07.05.2004, K. 2524.
111. *Pluteus romellii* (Britzelm.) Lapl.: In grass around *Populus* sp. stump, locality 52, 11.04.2002, K. 1563; locality 44, 30.03.2009, K. 6173; on decaying *Quercus* sp. wood, locality 32, 31.04.2003, K. 2157; locality 31, 09.05.2009, K. 6306.
112. *Pluteus salicinus* (Pers.) P. Kumm.: (Kaya 2009c).
113. *Volvariella bombycina* (Schaeff.) Singer: (Kaya 2005).
114. *Volvariella gloiocephala* (DC.) Boekhout & Enderle: Among grass on flood plain, locality 17, 12.01.2001, K. 1095; locality 79, 13.12.2006, K. 4336; locality 59, 02.11.2007, K. 5081; locality 86, 29.10.2008, K. 5322.
115. *Volvariella hypopithys* (Fr.) M.M. Moser: In *Pinus brutia* forest, locality 3, 30.03.2001, K. 1324; 07.05.2004, K. 2520.
116. *Volvariella pusilla* (Pers.) Singer: Among grass on floodplain, locality 72, 19.04.2009, K. 6255; locality 108, 10.05.2009, K. 6361.

Psathyrellaceae

117. *Coprinellus dilectus* (Fr.) Redhead et al.: (Kaya 2005).

118. *Coprinellus disseminatus* (Pers.) J.E. Lange: Around buried *Populus* sp. stump, locality 4, 14.01.2001, K. 1122; 52, 17.02.2001, K. 1156; locality 39, 18.10.2008, K. 5247; locality 87, 29.11.2008, K. 5643.
119. *Coprinellus micaceus* (Bull.) Vilgalys et al.: Around *Salix* sp., locality 52, 17.02.2001, K. 1149; on woody debris, locality A63; 25.03.2001, K. 1304; locality 51, 28.03.2001, K. 1322; around *Salix* sp., locality 34, 05.12.2005, K. 3319; locality 39, 18.10.2008, K. 5245; locality 81, 19.11.2007, K. 4929; locality 46, 31.10.2008, K. 5324.
120. *Coprinellus xanthothrix* (Romagn.) Vilgalys et al.: Among leaf litter on flood plain, locality 75, 28.03.2009, K. 6158.
121. *Coprinopsis atramentaria* (Bull.) Redhead et al.: Meadow, locality 34, 05.12.2005, K. 3318; locality 57, 01.11.2006, K. 3911.
122. *Coprinopsis cinerea* (Schaeff.) Redhead et al.: (Kaya et al. 2004).
123. *Coprinopsis friesii* (Quél.) P. Karst.: Among grass, locality 3, 30.11.2003, K. 2456.
124. **Coprinopsis gonophylla* (Quél.) Redhead et al.: On loamy soil, locality 39, 22.10.2008, K. 5287.
125. *Coprinopsis lagopides* (P. Karst.) Redhead et al.: On decaying plant remains on loamy soil, locality 3, 01.12.2003, K. 2467.
126. *Coprinopsis nivea* (Pers.) Redhead et al.: On cow manure, locality 6, 18.03.201, K. 1267; locality 52, 12.11.2007, K. 4836; locality 88, 02.11.2008, K. 5363.
127. *Parasola auricoma* (Pat.) Redhead et al.: Among grass, locality 14, 15.11.2007, K. 4882; locality 101, 30.03.2008, K. 5216; locality 95, 14.03.2009, K. 6056; locality 94, 15.03.2009, K. 6083; locality 99, 02.04.2009, K. 6187; locality 96, 18.04.2009, K. 6242.
128. *Parasola kuehneri* (Uljé & Bas) Redhead et al.: Among leaf litter under *Salix* sp. locality 52, 04.04.2004, K. 2505; 12.03.2009, K. 6044.
129. *Parasola plicatilis* (Curtis) Redhead et al.: On soil among grass on floodplain, locality 3, 30.11.2003, K.2463; locality 96, 02.11.2008, K. 5358.
130. *Psathyrella ammophila* (Durieu & Lév.) P.D. Orton: On sandy soil on floodplain, locality 75, 23.11.2007, K. 4977.
131. *Psathyrella bipellis* (Quél.) A.H. Sm.: Among grass, locality 52, 05.03.2009, K. 5925; locality 61, 07.03.2009, K. 5973.
132. *Psathyrella candolleana* (Fr.) Maire: Around *Salix* sp., locality 39, 25.04.2003, K. 2087; locality 14, 04.04.2006, K. 3485; locality 79, 13.12.2006, K. 4333; locality 36, 17.05.2008, K. 5236; locality 52, 26.10.2008, K. 5291; locality 44, 30.03.2009, K. 6172; locality 7, 09.05.2009, K. 6310.
133. *Psathyrella conopilus* (Fr.) A. Pearson & Dennis: Among grass on floodplain, locality 79, 13.12.2006, K. 4337; locality 14, 15.11.2007, K. 4877; locality 91, 26.11.2008, K. 5549; locality 59, 04.12.2008, K. 5742.
134. *Psathyrella cotonea* (Quél.) Konrad & Maubl: Around *Salix* sp. stump, locality 52, 26.10.2008, K. 5292.
135. *Psathyrella gracilis* (Fr.) Quél.: On buried wood, locality 3, 30.11.2003, K. 2454.
136. *Psathyrella marcescibilis* (Britzelm.) Singer: In grass, locality 6, 18.03.2001, K. 1269; locality 14, 15.11.2007, K. 4847; locality 86, 29.10.2008, K. 5323.

137. *Psathyrella obtusata* (Pers.) A. H. Sm. var. *aberrans* Kits van Wav.: Among leaf litter on nutrient rich soil, locality 3, 04.12.2005, K. 3307.
138. *Psathyrella pennata* (Fr.) A. Pearson & Dennis: Among grass, locality 75, 13.11.2007, K. 4860; locality 14, 15.11.2007, K. 4880.
139. *Psathyrella prona* (Fr.) Gillet f. *cana* Kits van Wav.: On soil among grass, locality 14, 15.11.2007, K. 4885.
140. *Psathyrella prona* (Fr.) Gillet f. *prona*: On soil among grass, locality 10, 08.04.2001, K. 1389; locality 3, 01.12.2003, K. 2468.
141. *Psathyrella prona* f. *picta* (Romagn.) Kits van Wav.: (Kaya 2009c).
142. *Psathyrella vinosofulva* P.D. Orton: On sandy soil among herbs, locality 14, 15.11.2007, K. 4872.

Schizophyllaceae

143. *Schizophyllum commune* Fr.: On decaying wood, locality 6, 10.01.2001, K. 1079; locality 4, 14.01.2001, K. 1114; locality 10, 05.05.2001, K. 1439; locality 102, 13.12.2006, K. 4326; on *Juglans* sp. stump, locality 67, 03.12.2008, K. 5672.

Strophariaceae

144. *Agrocybe aegerita* (V. Brig.) Singer: On *Populus* sp. stump, locality 35, 05.04.2005, K. 2661; locality 9, 04.12.2005, K. 3320; locality 93, 02.11.2008, K. 5361; locality 40, 12.11.2007, K. 4831; locality 49, 21.11.2007, K. 4939; locality 83, 18.10.2008, K. 5268; on *Salix* sp. stump, locality 97, 28.10.2001, K. 1492; locality 40, 12.11.2007, K. 4831; locality 67, 03.12.2008, K. 5673.
145. *Agrocybe dura* (Bolton) Singer: On soil among grass, locality 3, 07.05.2004, K. 2522.
146. *Agrocybe pediades* (Fr.) Fayod: In grass, locality 14, 04.04.2006, K. 3484; locality 82, 02.04.2009, K. 6194; locality 79, 02.04.2009, K. 6197.
147. *Agrocybe splendida* Cléménçon: Among grass, locality 38, 26.04.2003, K. 2104; locality 12, 09.05.2009, K. 6318; locality 105, 10.05.2009, K. 6377.
148. *Agrocybe vervacti* (Fr.) Singer: In grass, locality 10, 08.04.2001, K. 1388.
149. *Galerina cinctula* P.D. Orton: Among grass in *Pinus brutia* forest, locality 3, 22.11.2005, K. 3210.
150. *Galerina laevis* (Pers.) Singer: Among moss in *Pinus brutia* forest, locality 52, 12.11.2007, K. 4839.
151. *Hebeloma crustuliniforme* (Bull.) Quéf.: Among leaf litter under *Salix* sp., locality 52, 12.11.2007, K. 4845.
152. *Hebeloma pallidoluctuosum* Gröger & Zschiesch.: In grass under *Salix* sp., locality 75, 19.11.2007, K. 4924.
153. *Hebeloma populinum* Romagn.: Under *Populus* sp., locality 58, 09.05.2009, K. 6342.
154. *Hebeloma sinapizans* (Fr.) Sacc.: Among grass under *Populus* sp, locality 52, 12.11.2007, K. 4845.
155. *Hypholoma fasciculare* (Fr.) P. Kumm.: (Kaya 2005).
156. *Pholiota aurivella* (Batsch) P. Kumm.: On *Salix* sp. trunk, locality 55, 01.11.2006, K. 3915.

157. *Pholiota conissans* (Fr.) M.M. Moser: In grass, around *Populus* sp. stump, locality 52, 15.11.2003, K. 2442.
158. *Pholiota gummosa* (Lasch) Singer: On *Populus* sp. stump, locality 58, 01.11.2006, K. 3923.
159. *Pholiota squarrosa* (Batsch) P. Kumm.: (Kaya et al. 2004).
160. *Pholiota tuberculosa* (Schaeff.) P. Kumm.: On *Populus* sp. stump, locality 31, 09.05.2009, K. 6304.
161. *Psilocybe coprophila* (Bull.) P. Kumm.: On old dung, locality 91, 26.11.2008, K. 5550.
162. *Psilocybe montana* (Pers.) P. Kumm.: On moss covered sandy soil in *Quercus* sp. forest, locality 71, 29.11.2008, K. 5610.
163. *Stropharia ambigua* (Peck) Zeller: On manured soil among leaf litter under *Quercus* sp., locality 68, 19.11.2008, K. 5494.
164. *Stropharia caerulea* Kreisel: On nutrient rich soil among grass in *Quercus* sp. forest, locality 61, 16.11.2008, K. 5444.
165. *Stropharia coronilla* (Bull.) Quél.: In grass, locality 29, 18.03.2001, K. 1260; locality 76, 28.10.2001, K. 1493; locality 100, 13.12.2006, K. 4322; locality 56, 01.11.2006, K. 3917; locality 84, 19.11.2007, K. 4927; locality 8, 21.11.2007, K. 4937; locality 106, 30.11.2007, K. 5074; locality 41, 20.10.2008, K. 5278; locality 77, 08.11.2008, K. 5370; locality 70, 16.11.2008, K.5447; locality 80, 12.03.2009, K. 6026.
166. **Stropharia melanosperma* (Bull.: Fr.) Gillet: Among grass, locality 14, 01.05.2003, K. 2167.
167. *Stropharia semiglobata* (Batsch) Quél.: On cow dung among grass, locality 63, 19.04.2009, K. 6260.

Tricholomataceae

168. *Arrhenia rickenii* (Hora) Watling: On moss covered ground in *Pinus brutia* forest, locality 2, 06.12.2008, K. 5846.
169. *Arrhenia spathulata* (Fr.) Redhead: On moss, locality 68, 19.11.2008, K. 5493.
170. *Clitocybe gibba* (Pers.) P. Kumm.: (Kaya 2009b).
171. *Lepista nuda* (Bull.) Cooke: On woody debris, locality 14, 11.01.2001, K. 1081; among needle litter in *Pinus brutia* forest, locality 3, 04.12.2005, K. 3305; locality 2, 16.12.2008, K. 5166; locality 17, 08.03.2009, K. 5990.
172. *Lepista saeva* (Fr.) P.D. Orton: (Kaya 2005).
173. *Melanoleuca excissa* (Fr.) Singer: In pasture, locality 91, 26.11.2008, K. 5545; locality 60, 07.03.2009, K. 5960.
174. *Melanoleuca graminicola* (Velen.) Kühner & Maire: In grass, locality 65, 04.12.2008, K. 5707.
175. *Melanoleuca stridula* (Fr.) Singer: (Kaya 2005).
176. *Myxomphalia maura* (Fr.) Hora: On damp soil in *Pinus brutia* forest, locality 3, 04.12.2005, K. 3297; locality 52, 15.12.2007, K. 5142.
177. *Omphalina pyxidata* (Bull.) Quél.: (Kaya 2005).
178. *Omphalina rivulicola* (J. Favre) Lamoure: On soil among grass on floodplain, locality 75, 19.11.2007, K. 4923.

179. *Omphalina subhepatica* (Batsch) Murrill: On soil among moss in *Pinus brutia* forest clearing, locality 3, 30.11.2003, K. 2450.
180. *Omphalina velutipes* P.D. Orton: On damp soil in *Pinus brutia* forest, locality 3, 30.11.2003, K. 2458; on sandy soil on floodplain, locality 75, 28.03.2009, K. 6160.
181. *Pseudoclitocybe cyathiformis* (Bull.) Singer: Among grass in *Quercus* sp. forest, locality 61, 03.12.2008, K. 5687.
182. *Tricholoma batschii* Gulden: In *Pinus-Cedrus* forest, locality 53, 01.11.2006, K. 3920.
183. *Tricholoma myomyces* (Pers.) J.E. Lange: In *Pinus brutia* forest, locality 52, 15.11.2003, K. 2448; locality 103, 05.12.2008, K. 5759.
184. *Tricholoma populinum* J.E. Lange: Under *Populus* sp., locality 58, 01.11.2006, K. 3924.
185. *Tricholoma scalpturatum* (Fr.) Quéél.: Among leaf litter in *Quercus* sp. forest, locality 47, 09.05.2009, K. 6279.

Boletales

Boletaceae

186. *Boletus chrysenteron* Bull.: (Kaya et al. 2004).
187. *Boletus queletii* Schulzer: In *Quercus* sp. forest, locality 67, 08.11.2008, K. 5403.

Diplocystidiaceae

188. *Astraeus hygrometricus* (Pers.) Morgan: Among leaf litter under *Quercus* sp., locality 57, 01.11.2006, K. 3912; locality 65, 04.12.2008, K. 5708.

Gomphidiaceae

189. *Chroogomphus rutilus* (Schaeff.) O.K. Mill.: In *Pinus brutia* forest, locality 52, 04.04.2004, K. 2504.
190. *Gomphidius maculatus* (Scop.) Fr.: (Kaya 2009b).
191. *Hygrophoropsis aurantiaca* (Wulfen) Maire: On decaying wood at *Pinus brutia* forest edge, locality 52, 26.10.2008, K. 5299.

Paxillaceae

192. *Paxillus involutus* (Batsch) Fr.: Among grass under *Populus* sp., locality 6, 03.05.2003, K. 2195; locality 53, 01.11.2006, K. 3916.

Rhizopogonaceae

193. *Rhizopogon luteolus* Fr.: In *Pinus brutia* forest, locality 18, 24.03.2001, K. 1282; locality 3, 30.03.2001, K. 1313; locality 103, 13.12.2006, K. 4329; locality 52, 12.11.2007, K. 4835; locality 15, 21.11.2007, K. 4936; locality 23, 12.10.2008, K. 5239; locality 17, 19.03.2009, K. 6090.

Sclerodermataceae

194. *Scleroderma verrucosum* (Bull.) Pers.: (Kaya 2005).

Suillaceae

195. *Suillus granulatus* (L.) Roussel: In *Pinus brutia* forest, locality 3, 04.12.2005, K. 3309.
196. *Suillus luteus* (L.) Roussel: In *Pinus nigra* forest, locality 3, 04.12.2005, K. 3311; locality 102, 13.12.2006, K. 4327; locality 52, 12.11.2007, K. 4838.

Tapinellaceae

197. *Tapinella panuoides* (Batsch) E.-J. Gilbert: On decaying *Pinus brutia* stump, locality 103, 05.12.2008, K. 5757.

Cantharellales**Clavulinaceae**

198. *Clavulina coralloides* (L.) J. Schröt.: Among leaf litter under *Platanus* sp., locality 91, 26.11.2008, K. 5531.

Gastrales**Gastraceae**

199. *Geastrum pectinatum* Pers. In *Pinus brutia* forest, locality 52, 11.11.2001, K. 1495.
 200. *Geastrum rufescens* Pers.: Among needle litter in *Pinus-Cedrus* forest, locality 53, 01.11.2006, K. 3919.
 201. *Geastrum striatum* DC.: Among grass in *Quercus* sp. forest, locality 61, 04.12.2008, K. 5710.

Hymenochaetales**Hymenochaetaceae**

202. *Inonotus hispidus* (Bull.) P. Karst.: On *Morus* sp. trunk, locality 35, 17.11.2008, K. 5480.
 203. *Phellinus igniarius* (L.) Quél.: On *Salix* sp. trunk, locality 9, 28.02.2009, K. 5917.
 204. *Phellinus pomaceus* (Pers.) Maire: On *Prunus* sp. trunk, locality 98, 18.04.2009, K. 6249; locality 64, 19.04.2009, K. 6264.

Polyporales**Ganodermataceae**

205. *Ganoderma applanatum* (Pers.) Pat.: (Kaya et al. 2004).
 206. *Ganoderma lucidum* (Curtis) P. Karst.: On *Salix* sp. stump, locality 9, 04.12.2005, K. 3313; locality 39, 22.10.2008, K. 5279.

Meruliaceae

207. *Bjerkandera adusta* (Willd.) P. Karst.: On *Populus* sp. stump, locality 3, 10.01.2001, K. 1077; locality 52, 15.11.2003, K. 2446; locality 22, 26.10.2008, K. 5314; locality 74, 29.10.2008, K. 5317; locality 25, 20.11.2008, K. 5497; locality 63, 19.04.2009, K. 6261.

Polyporaceae

208. *Cerrena unicolor* (Bull.) Murrill: (Kaya 2009b).
 209. *Fomes fomentarius* (L.) J.J. Kickx: On *Populus* sp. stump, locality 14, 11.01.2001, K. 1093; locality 3, 18.10.2008, K. 5266; locality 88, 02.11.2008, K. 5381.
 210. *Funalia trogii* (Berk.) Bondartsev & Singer: On *Populus* sp. stump, locality 4, 14.11.2001, K. 1119; locality 52, 11.04.2002, K. 1569; locality 1, 26.11.2008, K. 5533.
 211. *Lentinus tigrinus* (Bull.) Fr.: Around *Salix* sp. stump, locality 26, 04.12.2005, K. 3306; on *Populus* sp. stump, locality 14, 04.04.2006, K. 3486; locality 52, 12.11.2007, K. 4828; locality 39, 18.10.2008, K. 5248; locality 50, 18.10.2008, K. 5255; locality 87, 29.11.2008, K. 5640.

212. *Polyporus arcularius* (Batsch) Fr.: Among grass, locality 14, 13.04.03, K. 1987; locality 32, 31.04.2003, K. 2161.
213. *Polyporus rhizophilus* (Pat.) Sacc.: On grass, locality 45, 18.03.2001, K. 1270; locality 10, 08.04.2001, K. 1395.
214. *Polyporus squamosus* (Huds.) Fr.: (Kaya 2005).
215. *Trametes gibbosa* (Pers.) Fr.: On *Populus* sp. stump, locality 39, 26.04.2003, K. 2098.
216. *Trametes versicolor* (L.) Lloyd: On hardwood remain, locality 4, 24.04.2005, K. 2761; locality 67, 08.04.2009, K. 6227.

Russulales

Auriscalpiaceae

217. *Lentinellus cochleatus* (Pers.) P. Karst.: On decaying *Pinus brutia* cones, locality 3, 22.11.2005, K. 3211.

Russulaceae

218. *Lactarius controversus* (Pers.) Pers.: In grass under *Populus* sp., locality 55, 01.11.2006, K. 3914.
219. *Lactarius deliciosus* (L.) Gray: In *Pinus brutia* forest, locality 103, 05.12.2008, K. 5751.
220. *Russula subterfucata* Romagn.: Among grass in *Quercus* sp. forest, locality 68, 19.11.2008, K. 5492.

Stereaceae

221. *Stereum hirsutum* (Willd.) Pers.: On *Quercus* sp. stump, locality 44, 05.12.2008, K. 5744; locality 47, 09.05.2009, K. 6289.

Thelephorales

Thelephoraceae

222. *Thelephora terrestris* Ehrh.: On soil among needle litter in pine forest, locality 54, 09.05.2009, K. 6351.

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Table 1. Collection localities

NO	LOCALITIES	COORDINATES	ALTITUDES (m)
1	Centre, Akpınar	37°33' N – 38°12' E	599
2	Centre, Akyazı	37°29' N – 38°17' E	813
3	Centre, Altınşehir	37°44' N – 38°14' E	630
4	Centre, Altıntop	37°41' N – 38°16' E	551
5	Centre, Atakent	37°43' N – 38°13' E	630
6	Centre, Ataköy	37°46' N – 38°12' E	700
7	Centre, Bağlıca	37°56' N – 38°15' E	1083
8	Centre, Bağpınar	37°35' N – 38°19' E	573
9	Centre, Bahçecik	37°44' K – 38°17' D	580

10	Centre, Beşpınar	37°46' N – 38°19' E	600
11	Centre, Boğazözü	37°50' N – 38°25' E	678
12	Centre, Çatalağaç	37°57' N – 38°17' E	1106
13	Centre, Çaybaşı	37°41' N – 38°29' E	560
14	Centre, Çimen	37°43' N – 38°15' E	575
15	Centre, Çobandede	37°34' N – 38°20' E	580
16	Centre, Doğanlı	37°58' N – 38°18' E	1226
17	Centre, Durak	37°31' N – 38°12' E	633
18	Centre, Esentepe	37°47' N – 38°14' E	857
19	Centre, Fatih	37°47' N – 38°17' E	720
20	Centre, Gültepe	37°45' K – 38°12' D	670
21	Centre, Güzelyurt	37°41' N – 38°14' E	586
22	Centre, Hasancık	37°46' N – 38°25' E	685
23	Centre, İndere road	37°47' N – 38°16' E	810
24	Centre, İncebağ	37°41' N – 38°25' E	548
25	Centre, İndere	37°48' N – 38°15' E	780
26	Centre, Karaali	37°44' N – 38°14' E	640
27	Centre, Karadağ	37°46' N – 38°15' E	775
28	Centre, Kayalık	37°46' N – 38°16' E	710
29	Centre, Kayaönü	37°47' N – 38°11' E	835
30	Centre, Kızılcapınar	37°43' N – 38°21' E	549
31	Centre, Koçali	37°55' N – 38°15' E	1068
32	Centre, Kömür	37°50' N – 38°25' E	780
33	Centre, Kuştepe	37°44' N – 38°25' E	704
34	Centre, Küçükkavaklı	37°42' N – 38°16' E	555
35	Centre, Mezarlık	37°45' N – 38°17' E	640
36	Centre, Mimar Sinan park	37°45' N – 38°16' E	680
37	Centre, Ormaniçi	37°51' N – 38°18' E	869
38	Centre, Örenli	37°47' N – 38°18' E	700
39	Centre, Pirin bridge	37°48' N – 38°18' E	640
40	Centre, Stilce	37°44' N – 38°19' E	545
41	Centre, Taşpınar	37°41' N – 38°18' E	565
42	Centre, TPAO campus	37°46' N – 38°13' E	720
43	Centre, Turgut Reis	37°46' N – 38°16' E	685
44	Centre, Uludam	37°45' N – 38°29' E	598
45	Centre, Univ. campus	37°44' N – 38°13' E	682
46	Centre, Varlık	37°44' N – 38°16' E	600
47	Centre, Varlık	37°54' N – 38°16' E	1267
48	Centre, Yazıcı	37°36' N – 38°17' E	571
49	Centre, Yazlık	37°38' N – 38°19' E	575
50	Centre, Yenigüven	37°48' N – 38°19' E	726

51	Centre, Yeşilyurt	37°46' N – 38°17' E	675
52	Centre, Ziyaret	37°45' N – 38°20' E	565
53	Çelikhan, Abdulharab Lake	38°02' N – 38°14' E	1475
54	Çelikhan, Doğu quarter	38°02' N – 38°15' E	1436
55	Çelikhan, Kavak	37°59' N – 38°14' E	1271
56	Çelikhan, Pınarbaşı	38°01' N – 38°12' E	1336
57	Çelikhan, Recep	37°58' N – 38°19' E	1080
58	Çelikhan, Yukarıköy	38°02' N – 38°16' E	1463
59	Gerger, Açma	37°59' N – 38°56' E	550
60	Gerger, Akyürek	38°00' N – 38°59' E	625
61	Gerger, Budaklı	38°00' N – 39°00' E	575
62	Gerger, Çobanpınarı	37°56' N – 38°50' E	702
63	Gerger, Dallarca	38°05' N – 39°07' E	956
64	Gerger, Dallarca, Zoor	38°04' N – 39°07' E	903
65	Gerger, Gönen	38°02' N – 39°07' E	678
66	Gerger, Gözpınar	38°02' N – 39°09' E	820
67	Gerger, Güngörmüş	37°59' N – 38°51' E	930
68	Gerger, Güzelsu	37°52' N – 38°55' E	750
69	Gerger, Kağındak	38°02' N – 39°05' E	779
70	Gerger, Kesertaş	37°58' N – 38°57' E	556
71	Gerger, Korulu	37°53' N – 38°57' E	639
72	Gerger, Onevler	38°05' N – 39°09' E	935
73	Kahta, Akdoğan	37°52' N – 38°42' E	857
74	Kahta, Akkavak	37°50' N – 38°42' E	672
75	Kahta, Akpınar	37°51' N – 38°57' E	547
76	Kahta, Arılı	37°44' N – 38°30' E	590
77	Kahta, Aydınpınar	37°53' N – 38°46' E	955
78	Kahta, Aydınpınar	37°54' N – 38°48' E	829
79	Kahta, Beşevler	37°42' N – 38°33' E	546
80	Kahta, Boğazkaya	37°53' N – 38°30' E	824
81	Kahta, Bölükyayla	37°52' N – 38°28' E	772
82	Kahta, Büyükbey	37°41' N – 38°33' E	596
83	Kahta, Çaltılı	37°52' N – 38°30' E	703
84	Kahta, Çukurtaş	37°51' N – 38°49' E	833
85	Kahta, Erikdere	37°51' N – 38°35' E	789
86	Kahta, Gökçe	37°49' N – 38°46' E	711
87	Kahta, Gölgele	37°51' N – 38°39' E	709
88	Kahta, Habipler	37°46' N – 38°33' E	621
89	Kahta, Hacıyusuf	37°39' N – 38°33' E	648
90	Kahta, Koçtepe	37°53' N – 38°39' E	891
91	Kahta, Narince	37°52' N – 38°47' E	695

92	Kahta, Ortanca	37°46' N – 38°34' E	679
93	Kahta, Salkımbağı	37°49' N – 38°34' E	728
94	Kahta, Tut	37°43' N – 38°31' E	630
95	Kahta, Tütenocak	37°52' N – 38°41' E	852
96	Kahta, Yelkovan	37°49' N – 38°32' E	805
97	Kahta, Zeytin	37°45' N – 38°32' E	591
98	Kahta, Ziyaret	37°44' N – 38°35' E	685
99	Samsat, Doğanca	37°37' N – 38°28' E	557
100	Samsat, Gülpınar	37°34' N – 38°26' E	539
101	Samsat, İnce Ali	37°34' N – 38°27' E	588
102	Samsat, Merkez	37°34' N – 38°28' E	580
103	Samsat, Tepeönü	37°37' N – 38°32' E	642
104	Samsat, Uzuntepe	37°36' N – 38°39' E	587
105	Samsat, Cumhuriyet	38°00' N – 38°37' E	1318
106	Samsat, Çatbahçe	37°58' N – 38°36' E	759
107	Samsat, District forest	38°02' N – 38°37' E	1641
108	Samsat, Dol	38°01' N – 38°39' E	1290
109	Samsat, Karasu	38°00' N – 38°36' E	1095
110	Samsat, Söğütlübahçe	37°56' N – 38°55' E	678