



Macrofungal diversity of central district of Hakkâri province and the Çukurca district

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Hakkâri ili merkez ilçesi ve Çukurca ilçesinin makromantar çeşitliliği

Abstract: This study examined naturally occurring macrofungal specimens collected between 2020 and 2022 within the central district of Hakkâri province and the Çukurca district. A total of 352 macrofungal species were identified through the combined efforts of field and laboratory studies. The distribution of these species encompasses a total of 16 orders and 73 families, classified within the following classes: *Dothideomycetes*, *Leotiomycetes*, *Orbiliomycetes*, *Pezizomycetes*, *Sordariomycetes*, *Agaricomycetes*, and *Tremellomycetes*. Of the identified fungi, 94 species belong to the phylum *Ascomycota* and 258 species to *Basidiomycota*. Among these, 78 species are edible, 238 are inedible, and 36 are poisonous.

Key words: *Agaricomycetes*, *Ascomycota*, *Basidiomycota*, Çukurca, Hakkâri

Özet: Bu çalışma, Hakkâri merkez ve Çukurca ilçesi sınırları içerisinde doğal olarak yetişen ve 2020-2022 yılları arasında toplanan makromantar örnekleri üzerinde yapılmıştır. Arazi ve laboratuvar çalışmaları sonucunda teşhisleri yapılan örneklerin *Dothideomycetes*, *Leotiomycetes*, *Orbiliomycetes*, *Pezizomycetes*, *Sordariomycetes*, *Agaricomycetes*, ve *Tremellomycetes* sınıflarına ait 16 takım ve 73 familya içerisinde dağılım gösteren toplam 352 makromantar türü olduğu tespit edilmiştir. 94'ü *Ascomycota* ve 258'i de *Basidiomycota* bölümüne ait olan bu mantarların 78'i yenen, 238'i yenmeyen ve 36 tanesi ise zehirlidir.

Anahtar Kelimeler: *Agaricomycetes*, *Ascomycota*, *Basidiomycota*, Çukurca, Hakkâri

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1. Introduction

Hakkâri province is characterised by a high degree of geographical complexity, with a topography marked by elevated mountain ranges, situated in the easternmost region of Türkiye (Fig. 1). The mountains' altitude creates microclimatic zones in certain locations, thereby providing habitat for endemic plant groups (Anonymous, 2026). The tree and shrub species commonly found in the research area and directly influencing the distribution of macrofungi are *Populus* sp., *Salix* sp., *Malus* sp., *Rosa* sp., *Cotoneaster* sp., *Rhamnus* sp., *Quercus* sp., *Fraxinus* sp., *Rubus* sp., *Crataegus* sp., *Pyrus* sp., and *Juglans* sp. The city's vegetation, which has almost no forest cover, has a steppe character. Numerous studies have been conducted on macrofungal diversity in Türkiye to date, and the identified species have been presented at different times, both individually and in lists. Studies on this subject in Türkiye up to 2022 were published in book form by Sesli et al., (2020) and Solak and Türkoğlu, (2022). As can be seen here, the macrofungal diversity of our country has not been fully determined. Studies on this subject have continued since then. Some of the studies conducted in our country in recent years are as follows; Kesici and Uzun (2021), Acar and Quijada (2022), Akata et al. (2022,2024a,b,c,d), Dizkırıncı and Acar (2022), Dizkırıncı et al. (2022), Kaşık et al. (2022), Kaya et al. (2022), Kaygusuz (2022), Keleş et al. (2022), Kesici et al. (2022a,b), Sesli (2022a,b,c,d,e, 2023a), Uzun et al. (2022), Uzun and Kaya (2022a,b;2023), Acar (2023), Karaduman et al. (2024), Kaygusuz et al. (2023), Sadullahoğlu et al. (2023), Yeşilyurt et al. (2023), Ediş et

al. (2025), Kalmer et al. (2025), Uzun et al. (2024), Acar and Karabıyık (2025a,b,c), Sadullahoğlu and Uzun (2025), Yorulmazlar et al. (2025a,b) and Acar et al. (2026), Örenç et al. (2026), Uzun and Kaya (2026). This study aims to contribute to the mycobiota of our country by revealing the diversity of naturally growing macrofungi in Hakkâri center and Çukurca district, which were selected as the research area, and by identifying new records and locations, and to contribute to the ethnomycology of the region by identifying the edible mushrooms in the region.

2. Materials and Method

In this study, primary material collected from 88 suitable localities consists of naturally occurring macrofungus specimens within the borders of Hakkâri city center and Çukurca district between 2020 and 2022 (Table 1). The primary material used in this study consists of macrofungus specimens that were naturally distributed within the municipal boundaries of Hakkâri center and Çukurca district between 2020 and 2022. The photographic documentation of the specimens was conducted using two digital cameras: the Canon EOS 60D and the Nikon D5100. In addition, a Tokina 100 mm f/2.8 Macro AT-X Pro D macro lens was employed. These cameras were utilised to capture images of the specimens in their natural habitats. The Garmin GPSmap 76CSX GPS device was used to determine the geographical locations of the specimens. A Leica DM500 light microscope, a Leica ICC50 HD camera attached to the microscope, and Leica LAS EZ (version 3.0) software were used to examine microscopic structures and

Table 1. Locality information for the identified species

No	Locality	Coordinate	Altitude
1	Hakkâri-Cilo-Sat Lakes National Park Paradise and Hell Valley	N: 37° 31' E: 43° 58'	2523 m
2	Çem restaurant garden, on the Hakkari-Çukurca road.	N: 37° 30' E: 43° 43'	1208 m
3	Hakkâri-Cukurca road, Zap rest area garden	N: 37° 31' E: 43° 43'	1217 m
4	Below Akçalı village, Hakkari Central District	N: 37° 42' E: 43° 59'	1740 m
5	Next to the mosque in Akçalı village, Hakkâri Central District	N: 37° 42' E: 43° 59'	1767 m
6	Above Akçalı village in Hakkari Central District	N: 37° 42' E: 43° 59'	1853 m
7	Lower part of Bağışlı district, Hakkâri Central District	N: 37° 42' E: 44° 02'	1709 m
8	Hakkâri Central Bağışlı District Entrance	N: 37° 43' E: 44° 02'	1770 m
9	The upper part of Bağışlı district in Hakkâri Central District	N: 37° 43' E: 44° 02'	1919 m
10	Hakkâri Central Bayköy Lower Area	N: 37° 32' E: 43° 43'	1755 m
11	Near Bayköy Mosque in Hakkâri Central District	N: 37° 32' E: 44° 02'	1805 m
12	Bayköy entrance in Hakkâri Central District	N: 37° 33' E: 43° 43'	1834 m
13	Hakkâri Central Çimenli village, near the mosque	N: 37° 29' E: 43° 37'	1118 m
14	Exit of Çimenli village, Hakkâri Central District	N: 37° 29' E: 43° 37'	1148 m
15	Entrance to Çimenli village, Hakkâri Central District	N: 37° 29' E: 43° 38'	1922 m
16	Below Demirtaş village, Hakkâri Central District	N: 37° 43' E: 43° 58'	2277 m
17	Inside Demirtaş village, Hakkâri Central District	N: 37° 43' E: 43° 58'	2311 m
18	Mosque courtyard in Doğanlı village, Hakkâri Central District	N: 37° 26' E: 43° 30'	1032 m
19	Below Durankaya town, Hakkâri Central District	N: 37° 32' E: 43° 36'	1619 m
20	Hakkâri Central Durankaya town, near the mosque	N: 37° 33' E: 43° 36'	1755 m
21	Entrance to Durankaya town, Hakkâri Central District	N: 37° 33' E: 43° 37'	1695 m
22	Above Durankaya town, Hakkâri Central District	N: 37° 34' E: 43° 37'	1847 m
23	Biçenek village, Durankaya town, Hakkari Central District	N: 37° 31' E: 43° 36'	1770 m
24	Tatlı neighborhood, Durankaya town, Hakkâri Central District	N: 37° 32' E: 43° 37'	1662 m
25	Durankaya plateau in Hakkâri Central district	N: 37° 31' E: 43° 40'	2658 m
26	Hakkâri Central Karşıyaka Neighborhood Çölemerik Vocational School garden	N: 37° 34' E: 43° 43'	1758 m
27	Near the mosque in Karşıyaka Neighborhood, Hakkâri Central District	N: 37° 34' E: 43° 43'	1771 m
28	Hakkâri Central Karşıyaka Neighborhood entrance	N: 37° 34' E: 43° 43'	1766 m
29	Above Karşıyaka Neighborhood, Hakkâri Center	N: 37° 34' E: 43° 43'	1853 m
30	Next to the model mosque in Kıran Neighborhood, Hakkâri Center	N: 37° 34' E: 43° 44'	1737 m
31	Hakkâri Central, Kıran Neighborhood, opposite the Selahattin Eyyubi condolence house	N: 37° 34' E: 43° 44'	1778 m
32	Hakkâri - Central Kırıkdağ village	N: 37° 36' E: 43° 51'	1313 m
33	Above Kırıkdağ village, Hakkâri Central District	N: 37° 36' E: 43° 51'	1330 m
34	Southwest of Merzan neighborhood in Hakkâri Central District	N: 37° 33' E: 43° 42'	2074 m
35	Hakkâri Central Merzan Neighborhood, near KYK dormitory 1	N: 37° 34' E: 43° 43'	1777 m
36	Hakkâri Central Merzan Neighborhood, near KYK dormitory 2	N: 37° 34' E: 43° 43'	1806 m
37	Above Merzan Neighborhood in Hakkâri Central District	N: 37° 34' E: 43° 42'	2058 m
38	Zuryan Lake area in Merzan Neighborhood, Hakkari Central District	N: 37° 34' E: 43° 43'	1756 m
39	Entrance to Musahan village, Hakkâri Central District	N: 37° 45' E: 44° 04'	1740 m
40	Inside Musahan village, Hakkâri Central District	N: 37° 45' E: 44° 04'	1734 m
41	Exit of Olgunlar village, Hakkâri Central District	N: 37° 28' E: 43° 31'	1057 m
42	Entrance to Olgunlar village, Hakkâri Central District	N: 37° 28' E: 43° 31'	1059 m
43	Below Sarıtaş village, Hakkâri Central District	N: 37° 46' E: 44° 04'	1764 m
44	Above Sarıtaş village in Hakkâri Central District	N: 37° 40' E: 44° 04'	1857 m
45	Depin area, Sümbül Neighborhood, Hakkâri Central District	N: 37° 46' E: 43° 46'	1314 m
46	Tekser area, Sümbül Neighborhood, Hakkâri Central District	N: 37° 33' E: 43° 44'	1467 m
47	Hakkâri Central Sümbül Neighborhood, near Zeynel Bey Madrasa	N: 37° 33' E: 43° 44'	1533 m
48	Hakkâri-Cukurca old Taşbaşı village	N: 37° 24' E: 43° 27'	1233 m
49	Hakkâri-Cukurca new Taşbaşı village	N: 37° 23' E: 43° 29'	993 m
50	Below Üzümcü village, Hakkâri Central District	N: 37° 29' E: 43° 34'	1123 m
51	Cemetery of Üzümcü village, Hakkâri Central District	N: 37° 29' E: 43° 35'	1109 m
52	Above Üzümcü village in Hakkâri Central District	N: 37° 29' E: 43° 35'	1156 m
53	Tuncer Taş Kebab Restaurant Garden, on the Hakkari-Van road	N: 37° 40' E: 43° 53'	1381 m
54	Hakkâri-Van road, near the first tunnel.	N: 37° 38' E: 43° 52'	1359 m
55	Entrance to Akkaya village, Çukurca Hakkari.	N: 37° 20' E: 43° 28'	1249 m
56	Inside Akkaya village, Çukurca, Hakkâri	N: 37° 20' E: 43° 27'	1338 m

57	Hakkâri-Çukurca, below the Cigli district	N: 37° 19' E: 43° 23'	1465 m
58	Hakkâri-Çukurca, Çığlı district, near the St. George Church	N: 37° 20' E: 43° 23'	1593 m
59	Hakkâri-Çukurca Cigli district exit	N: 37° 20' E: 43° 22'	1624 m
60	Hakkâri-Çukurca, Çığlı district entrance	N: 37° 19' E: 43° 23'	1424 m
61	Hakkâri-Çukurca, Çığlı district, near Martyr Major Erdoğan Özdemir Middle School	N: 37° 19' E: 43° 22'	1507 m
62	Hakkâri-Çukurca Gündeş village, near Agit Church	N: 37° 18' E: 43° 27'	1096 m
63	Hakkâri- Çukurca below Gündeş village	N: 37° 18' E: 43° 28'	1072 m
64	Hakkâri- Çukurca above Gündeş village	N: 37° 18' E: 43° 28'	1141 m
65	Hakkâri-Çukurca Köprülü village, near the old Yasin Saraç Primary School	N: 37° 18' E: 43° 29'	1030 m
66	Entrance to Köprülü village, Çukurca, Hakkâri.	N: 37° 18' E: 43° 30'	869 m
67	South of Köprülü village, Çukurca, Hakkâri	N: 37° 18' E: 43° 29'	1047 m
68	Inside Köprülü village, Çukurca, Hakkâri	N: 37° 18' E: 43° 30'	864 m
69	Hakkâri-Çukurca Köprülü village, near Mükerrrem Akhanlı YBO	N: 37° 18' E: 43° 30'	847 m
70	Hakkâri- Çukurca above the Köprülü village	N: 37° 18' E: 43° 29'	942 m
71	Behind Cumhuriyet Primary School in Çukurca, Hakkari	N: 37° 14' E: 43° 36'	1298 m
72	Hakkâri-Çukurca Central Police Park	N: 37° 15' E: 43° 36'	1265 m
73	Hakkâri-Çukurca Central entrance	N: 37° 14' E: 43° 36'	1257 m
74	Hakkâri-Çukurca Central Governor Erdoğan Gürbüz Kindergarten vicinity	N: 37° 15' E: 43° 37'	1338 m
75	Hakkâri-Çukurca Narlı Kaynaklı Primary School	N: 37° 20' E: 43° 30'	883 m
76	Hakkâri-Çukurca Narlı village 1	N: 37° 16' E: 43° 35'	813 m
77	Hakkâri-Çukurca Narlı village 2	N: 37° 16' E: 43° 35'	837 m
78	Hakkâri-Çukurca Narlı village 3	N: 37° 15' E: 43° 35'	914 m
79	Hakkâri-Çukurca Narlı village 4	N: 37° 16' E: 43° 35'	817 m
80	Hakkâri-Çukurca Narlı village 5	N: 37° 16' E: 43° 35'	829 m
81	Hakkâri-Çukurca Narlı village 6	N: 37° 16' E: 43° 35'	877 m
82	Hakkâri-Çukurca Narlı village 7	N: 37° 15' E: 43° 35'	943 m
83	Hakkâri-Çukurca Ormanlı village exit	N: 37° 18' E: 43° 26'	1276 m
84	Entrance to Ormanlı village, Çukurca, Hakkâri.	N: 37° 18' E: 43° 26'	1248 m
85	Inside Ormanlı village, Çukurca, Hakkâri	N: 37° 18' E: 43° 26'	1209 m
86	Entrance to Üzümlü village, Çukurca, Hakkâri.	N: 37° 15' E: 43° 31'	1369 m
87	Hakkâri - above Üzümlü village in Çukurca	N: 37° 14' E: 43° 31'	1436 m
88	Hakkâri-Çukurca, under the bridge in Üzümlü village	N: 37° 15' E: 43° 34'	777 m

perform spore measurements. Relevant literature was used for species identification. Various chemical reagents such as distilled water, KOH, Melzer's reagent, IKI, and Congo red were used to observe color reactions in macro and microscopic structures and to provide clearer images of some structures. In addition, blotting paper, a deep freezer, a drying cabinet, various sizes of resealable polyethylene bags, fungarium labels, and plastic storage containers were used for the preservation and storage of macrofungus specimens. The study materials were kept in the fungarium of Yüzüncü Yıl University (VANF).

The locations of the collected fungal samples were transferred to a digital environment using the GIS (Geographic Information Systems) technique (Fig. 1). Digital maps were then created with the ArcMap 10.2 program.

3. Results

This study aimed to identify macrofungi naturally occurring in Hakkâri city center and Çukurca district. The identified species were systematically arranged based on the databases of <http://indexfungorum.org>. and <http://www.mycobank.org>. The identified species are listed alphabetically with their Turkish names (Güner, et al., 2020), habitats, collection dates, and registration numbers (KESİCİ Sedat: KS). Turkish names were not given for those species presented for Türkiye after Güner et al. (2020).

Fungi R.T. Moore

Ascomycota Caval.-Sm.

Dothideomycetes O.E. Erikss. & Winka

Patellariales D. Hawksw. & O.E. Erikss.

Patellariaceae Corda

1. Patellaria atrata (Hedw.) / Karadamlı: Fr. On oak

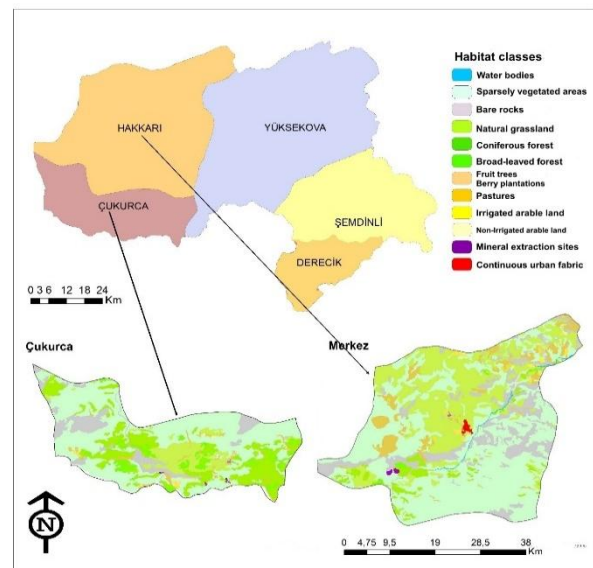


Figure 1. Map showing the boundaries of Hakkari city center and Çukurca district where macrofungi were collected

branch, [82], 01.12.2020, KS 483; on *Ferula* sp., plant, [1], inedible, 28.05.2022, KS 1113.

Leotiomyces O.E. Erikss. & Winka

Helotiales Nannf.

Gelatinodiscaceae S.E. Multipliy.

2. **Ascotremella faginea** (Peck) Seaver / Morpelte: On walnut log, inedible, [21], 03.11.2020, KS 106.

Helotiaceae Rehm

3. **Cyathicula coronata** (Bull.) Rehm / Dikenlikadeh: On mint plant residues, inedible, [21], 03.11.2020, KS 115.

4. **Cyathicula cyathoidea** (Bull.) Thüm. / Cıbıl dikenlikadeh: On plant residue, [37], 14.07.2021, KS 805; on nettle residue, inedible, [5], 07.05.2022, KS 991.

5. **Hymenoscyphus calyculus** (Fr.) W. Phillips / Sarımih: On walnut and oak branch, [73], 10.11.2020, KS 168-KS 171; on ivy branch, inedible, [71], 22.09.2021, KS 880.

6. **Hymenoscyphus caudatus** (P. Karst.) Dennis / No Turkish name has been suggested yet: On poplar leaf, [35], 26.10.2020, KS 38; on nettle plant, inedible, [36], 26.10.2020, KS 49.

7. **Hymenoscyphus fraxineus** (T. Kowalski) Baral, Queloz & Hosoya / No Turkish name has been suggested yet: On oak branch, inedible, [64], 24.11.2020, KS 369.

8. **Hymenoscyphus fructigenus** (Bull.) Gray / Meyvemih: On walnut shell, inedible, [44], 29.09.2021, KS 896.

9. **Hymenoscyphus imberbis** (Bull.) Dennis / No Turkish name has been suggested yet: On poplar log, [57], 14.11.2020, KS 193; on walnut log, inedible, [57], 14.11.2020, KS 207.

10. **Hymenoscyphus immutabilis** (Fuckel) Dennis / Eğrimih: On willow log, [2], 06.10.2020, KS 17; on willow log, inedible, [10], 07.05.2021, KS 655.

11. **Hymenoscyphus phyllogenus** (Rehm) Kuntze / No Turkish name has been suggested yet: On willow leaf residue, inedible, [37], 30.09.2021, KS 921.

12. **Hymenoscyphus repandus** (W. Phillips) Dennis / No Turkish name has been suggested yet: On sove plant, [50], 20.04.2021, KS 544; on plant residue, inedible, [19], 07.06.2022, KS 1193.

13. **Hymenoscyphus scutula** (Pers.) W. Phillips / Saplımih: On plant residue, [82], 01.12.2020, KS 476; on plant residue, inedible, [44], 29.09.2021, KS 903.

14. **Hymenoscyphus umbilicatus** (Le Gal) Dumont / No Turkish name has been suggested yet: On walnut leaf residue, inedible, [21], 3.11.2020, KS 110.

15. **Hymenoscyphus vernus** (Boud.) Dennis / No Turkish name has been suggested yet: On willow tree root, inedible, [33], 15.11.2020, KS 245.

Hyaloscyphaceae Nannf.

16. **Hyalopeziza millepunctata** (Lib.) Raitv. / Kadehçik: On *Diplotaenia* sp., plant remains, inedible, [25], 03.05.2022, KS 973.

17. **Hyaloscypha aureliella** (Nyl.) Huhtinen / No Turkish name has been suggested yet: On *Diplotaenia* sp., plant remains, inedible, [25], 03.05.2022, KS 981.

18. **Hyaloscypha hyalina** (Pers.) Boud. / Camkadeh: On willow bark, inedible, [29], 23.11.2020, KS 300.

Lachnaceae Raitv.

19. **Lachnum corticale** (Pers.) Nannf. / Kabuklu akçanak:

On willow branch, [12], 09.11.2020, KS 127; on poplar log, inedible, [41], 05.05.2021, KS 620.

Mollisiaceae Rehm

20. **Mollisia cinerea** (Batsch) P. Karst. / Boztepsi: On oak branch, [18], 04.05.2021, KS 595; on plant residue, inedible, [19], 07.06.2022, KS 1194-1195.

21. **Mollisia melaleuca** (Fr.) Brunaud / Yivli boztepsi: On rosehip branch, inedible, [35], 14.07.2021, KS 781-782.

22. **Tapesia fusca** (Pers.) Fuckel / Alakulp: On willow log, [33], 15.11.2020, KS 252; on oak log, [50], 20.04.2021, KS 551; on willow branch, inedible, [18], 04.05.2021, KS 581.

Pezizellaceae Velen.

23. **Calycina citrina** (Hedw.) Gray / Sarıdamla: On willow branch, [40], 20.07.2021, KS 829; on willow branch, inedible, [36], 14.09.2021, KS 857.

24. **Calycina herbarum** (Pers.) Gray / Otmih: On plant residue, inedible, [37], 14.07.2021, KS 804.

Rutstroemiaceae Holst-Jensen, L.M. Kohn & T.Schumach.

25. **Rutstroemia conformata** (P. Karst.) Nannf. / No Turkish name has been suggested yet: On plant residue, [37], 24.10.2021, KS 929-930; on plant residue, inedible, [75], 06.06.2022, KS 1177-KS 1181.

26. **Rutstroemia firma** (Pers.) P. Karst. / Kuşdudüğü: On oak branch, inedible, [67], 01.12.2020, KS 460.

Sclerotiniaceae Whetzel

27. **Ciboria amentacea** (Balb.) Fuckel / Kadehmantari: On poplar stump, [47], 07.05.2021, KS 685; on plant residue, inedible, [36], 29.05.2022, KS 1134.

Solenopezziaceae Ekanayaka & K.D. Hyde

28. **Lasiobelonium variegatum** (Fuckel) Raitv. / Boncukkenar: On walnut log, [29], 23.11.2020, KS 288; on poplar branch, inedible, [39], 20.07.2021, KS 815.

Vibriseaceae Korf

29. **Vibrisea filisporia** (Bonord.) Korf & A. Sánchez / İnce sarıbalon: On willow branch, inedible, [34], 05.05.2021, KS 627.

Orbiliomycetes O.E. Erikss. & Baral

Orbiliales Baral, O.E. Erikss., G. Marson & E. Weber

Arthrobotryaceae Corda.

30. **Orbilialia luteorubella** (Nyl.) P. Karst. / Eğik orbil: On willow stump, [35], 30.09.2021, KS 908; on walnut stump, inedible, [22], 24.10.2021, KS 949.

Pezizomycetes O.E. Erikss. & Winka

Incertae sedis

Pulvinulaceae Ekanayaka, K.D. Hyde, Q. Zhao & E.B.G. Jones

31. **Pulvinula convexella** (P. Karst.) Pfister / Çukutyastık: On moss, [36], 14.07.2021, KS 789; on wetland above ground, [35], 07.09.2021, KS 837; on moss, inedible, [24], 09.06.2022, KS 1207.

Pezizales J. Schröt.

Ascobolaceae Boud. ex Sacc.

32. **Ascobolus behnitziensis** Kirschst. / Çilli fişkımantari: On burned area, [56], 03.06.2022, KS 1166; mossy surface, inedible, [24], 09.06.2022, KS 1206.

33. **Ascobolus carbonarius** P. Karst. / Kara fişkımantari: On burned area, [41], 05.05.2021, KS 619; on burned area, inedible, [36], 29.05.2022, KS 1129.

34. *Ascobolus foliicola* Berk. & Broome / Yaş fişkımantarı: On willow log, [37], 24.10.2021, KS 928; on plant debris, inedible, [75], 06.06.2022, KS 1175.

35. *Ascobolus furfuraceus* Pers. / Fışkımantarı: On dung, [27], 01.11.2020, KS 88; on dung, [66], 10.11.2020, KS 142-KS 143; on remains of willow tree, inedible, [5], 07.05.2022, KS 995.

36. *Ascobolus immersus* Pers. / Yağlı fişkımantarı: On dung, inedible, [69], 24.10.2021, KS 450.

37. *Saccobolus glaber* (Pers.) Lambotte / Bolkese: On dung, inedible, [4], 07.05.2022, KS 1024.

38. *Thecotheus holmskjoldii* (E.C. Hansen) Chenant. / El yahşigüzeli: On dung, [12], 09.11.2020, KS 128; on dung, [10], 09.11.2020, KS 138; on dung, [35], 14.07.2021, KS 785.

39. *Thecotheus lundqvistii* Aas / No Turkish name has been suggested yet: On dung, inedible, [5], 07.05.2022, KS 997.

Ascodesmidaceae J. Schröt.

40. *Lasiobolus cuniculi* Velen. / İnceiğnekenar: On dung, inedible, [49], 01.04.2021, KS 491.

41. *Lasiobolus papillatus* (Pers.) Sacc. / İğnekenar: On dung, [73], 10.11.2020, KS 169; on dung, [58], 14.11.2020, KS 210; on horse dung, inedible, [53], 08.05.2022, KS 1059-1060.

Discinaceae Benedix

42. *Gyromitra esculenta* Pers. ex Fr. / Kuzugöbeğiesesi: It was found in a mixed woodland area consisting of walnut, oak, willow, poplar, blackberry, hawthorn, rosehip and wild apple trees., poisonous, [9], 14.05.2022, KS 1082.

Helvellaceae Fr.

43. *Helvella acetabulum* (L.) Quél. / Kuzukulağımantarı: Under oak trees, [18], 04.05.2021, KS 598; in mixed woodland, edible, [17], 20.05.2021, KS 695-KS 700.

44. *Helvella elastica* Bull. / Esnek semermantarı: Under poplar-willow trees, inedible, [77], 06.10.2020, KS 25.

45. *Helvella latispora* Boud. / Kertik semermantarı: In mixed woodland, inedible, [18], 20.05.2021, KS 714.

46. *Helvella leucopus* Pers. / Top semermantarı: In mixed woodland, edible, [17], 20.05.2021, KS 703.

Morchellaceae Rchb.

47. *Morchella angusticeps* Peck / Köşeligöbek: Under willow trees, edible, [8], 14.05.2022, KS 1076-1077.

48. *Morchella elata* Fr. / Siyah göbek: Under oak trees, edible, [41], 11.04.2021, KS 523.

49. *Morchella esculenta* (L.) Pers. / Kuzugöbeği: Under poplar trees, [41], 05.05.2021, KS 622; under plane trees, edible, [6], 07.05.2022, KS 1031-KS 1032.

50. *Morchella populiphila* M. Kuo, M.C. Carter & J.D. Moore / Kavak kuzugöbeği: Under poplar trees, edible, [50], 07.05.2022, KS 553.

51. *Morchella semilibera* DC. / Hacitakkisi: Under willow trees, [42], 05.05.2021, KS 614; on plant residue, edible, [75], 06.06.2022, KS 1184.

52. *Verpa bohemica* (Krombh.) J. Schröt. / Çanmantarı: Under oak trees, [52], 20.04.2021, KS 533; under poplar trees, edible, [52], 20.04.2021, KS 541.

53. *Verpa conica* (O.F. Müll.) Sw. / Sivri çanmantarı: Under poplar trees, edible, [34], 05.05.2021, KS 630.

54. *Verpa digitaliformis* Pers. / No Turkish name has been suggested yet: Under oak trees, inedible, [41], 11.04.2021, KS 525.

Pezizaceae Dumort.

55. *Adelphella babingtonii* (Berk. & Broome) Pfister, Matočec & I. Kušan / Yassıkadayıf: On walnut log, inedible, [21], 03.11.2020, KS 105.

56. *Galactinia granulosa* (Gillet) Le Gal / No Turkish name has been suggested yet: Under poplar trees, [35], 17.09.2021, KS 836; under poplar trees, inedible, [6], 07.05.2022, KS 1033.

57. *Geoscypha violacea* (Pers.) Lambotte / Pembeçanak: On moss in wetland area, inedible, [72], 22.10.2021, KS 868.

58. *Paragalactinia succosa* (Berk.) Van Vooren / Oyukçanak: On poplar leaves, inedible, [36], 26.10.2020, KS 50.

59. *Paragalactinia succosella* (Le Gal & Romagn.) Van Vooren / No Turkish name has been suggested yet: Under poplar trees, inedible, [40], 20.07.2021, KS 824-KS 827.

60. *Peziza arvernensis* Roze & Boud. / Kuruçanağı: Under poplar trees, [36], 29.05.2022, KS 1132; on steppe soil, inedible, [21], 10.06.2022, KS 1214.

61. *Peziza domiciliana* Cooke / Gevrekçanak: On plant residue, [1], 07.07.2021, KS. 778; seat upholstery, inedible, [22], 10.06.2022, KS. 1215.

62. *Peziza fimeti* (Fuckel) E.C. Hansen / Ezikçanak: On plant residue, inedible, [75], 06.06.2022, KS 1182.

63. *Peziza granularis* Donadini ex Van Vooren / Sivriçanak: On plant residue, inedible, [75], 06.06.2022, KS 1176.

64. *Peziza micropus* Pers. / Çengelçanak: On soil, inedible, [56], 03.06.2022, KS 1170.

65. *Peziza moravecii* (Svrček) Donadini / Çerkezçanak: On wetland soil, inedible, [23], 02.06.2022, KS 1148.

66. *Peziza repanda* Wahlenb. ex Fr. / Battalçanak: Under plane tree, inedible, [41], 11.04.2021, KS 524.

67. *Peziza septatra* Cooke / No Turkish name has been suggested yet: On soil by stream, inedible, [23], 02.06.2022, KS 1147-KS 1149.

68. *Peziza varia* (Hedw.) Alb. & Schwein. / Öküzçanak: On moss, [18], 04.05.2021, KS 597; on moss, [35], 30.09.2021, KS 913; on plant residue, inedible, [75], 06.06.2022, KS 1184.

69. *Peziza vesiculosa* Bull. / Yiğitçanak: Under walnut trees, [19], 25.05.2022, KS 1110; soil surface, inedible, [55], 03.06.2022, KS 1164.

Pyronemataceae Corda

70. *Anthracobia macrocystis* (Cooke) Boud. / Zerzenne: On burned area, [50], 20.04.2021, KS 557; on wetland moss, inedible, [72], 22.09.2021, KS 865.

71. *Byssonectria deformis* (P. Karst.) U. Lindem. & M. Vega / Turuncubenek: On plant remains, [83], 25.11.2020, KS 391; on ground, inedible, [83], 05.05.2021, KS 635.

72. *Cheilymenia megaspora* (Gamundí) J. Moravec / No Turkish name has been suggested yet: On dung, inedible, [54], 10.05.2022, KS 1065.

73. *Cheilymenia theleboloides* (Alb. & Schwein.) Boud. / Sarı tüylütepsi: On dog manure, [88], 30.11.2020, KS 431; on dung, inedible, [6], 07.05.2022, KS 1042.

74. *Geopora arenicola* (Lév.) Kers / Çukur dalgatopu: Under willow trees, [28], 01.11.2020, KS 83; under poplar trees, inedible, [46], 07.05.2021, KS 672.

75. *Humaria hemisphaerica* (F.H. Wigg.) Fuckel / Sarı tüylüfincan: On moss, [40], 20.07.2021, KS 828; on soil, inedible, [22], 24.10.2021, KS 960.

76. *Octospora axillaris* (Nees) M.M. Moser / Hatun noktaçanak: Moss on wetland, inedible, [36], 14.09.2021, KS 847.

77. *Octospora itzerottii* Benkert / Uzun noktaçanak: On moss under poplar trees, inedible, [60], 14.11.2020, KS 192.

78. *Octospora leucoloma* Hedw. / Som noktaçanak: On moss under poplar trees, inedible, [39-40], 20.07.2021, KS 821-KS 825.

79. *Parascutellinia carneosanguinea* (Fuckel) T. Schumach. / No Turkish name has been suggested yet: Under poplar trees, [35], 14.09.2021, KS 841; on moss, inedible, [35], 30.09.2021, KS 911.

80. *Perilachnea hemisphaerioides* (Mouton) Van Vooren / No Turkish name has been suggested yet: On dung, inedible, [4], 07.05.2022, KS 1025.

81. *Scutellinia crinita* (Bull.) Lambotte / No Turkish name has been suggested yet: On willow stump, [10], 07.05.2021, KS 656; on wetland soil, [37], 14.07.2021, KS 794; on moss and on tree stump, inedible, [44], 29.09.2021, KS 904.

82. *Scutellinia kerguelensis* (Berk.) Kuntze / No Turkish name has been suggested yet: On plant residue, [21], 03.11.2020, KS 107; on plant residue, inedible, [19], 25.05.2022, KS 1108.

83. *Scutellinia scutellata* (L.) Lambotte / Dikenlitabak: Burned area, [47], 07.05.2021, KS 693; on wood surface, inedible, [23], 02.06.2022, KS 1143.

84. *Scutellinia setosa* (Nees) Kuntze / No Turkish name has been suggested yet: On willow stump, inedible, [47], 07.05.2021, KS 688.

85. *Scutellinia umbrorum* (Fr.) Lambotte / Ek dikenlitabak: Under poplar trees, [47], 07.05.2021, KS 692; on willow bark, inedible, [9], 14.05.2022, KS 1086.

86. *Tricharina gilva* (Boud. ex Cooke) Eckblad / Hoş bahargüzeli: On burned area, [50], 20.04.2021, KS 556; on burned area, inedible, [18], 04.05.2021, KS 596.

87. *Trichophaea woolhopeia* (Cooke & W. Phillips) Boud. / Yünlü içibeyaz: On moss under poplar trees, inedible, [60], 14.11.2020, KS 189.

88. *Trichophaeopsis bicuspis* (Boud.) Korf & Erb / Kırpiklikenanar: Under oak trees, inedible, [75], 06.06.2022, KS 1178.

Sordariomycetes O.E. Erikss. & Winka

Hypocreales Lindau

Nectriaceae Tul. & C. Tul.

89. *Corinectria fuckeliana* (C. Booth) C.D. González & P. Chaverri / No Turkish name has been suggested yet: On walnut branch, inedible, [22], 24.10.2021, KS 954.

90. *Hydropisphaera peziza* (Tode) Dumort. / Kestanekızamığı: On poplar log, inedible, [57], 14.11.2020, KS 202.

Xylariales Nannf.

Diatrypaeae Nitschke

91. *Diatrypella quercina* (Pers.) Cooke / Meyve yaracağı:

On oak branch, [45], 30.11.2020, KS 394; on oak branch, inedible, [52], 20.04.2021, KS 538.

Xylariaceae Tul. & C. Tul.

92. *Rosellinia aquila* (Fr.) Ces. & De Not. / Deli karameme: On walnut log, inedible, [29], 23.11.2020, KS 289.

93. *Rosellinia mammiformis* (Pers.) Ces. & De Not. / Koca karameme: On willow branch, inedible, [35], 29.05.2022, KS 1122.

94. *Xylaria hypoxylon* (L.) Grev. / Güdük ölüparmak: On tree remnant, inedible, [21], 10.06.2022, KS 1212.

Basidiomycota R.T. Moore

Agaricomycetes Doweld

Agaricales Underw.

Agaricaceae Chevall.

95. *Agaricus arvensis* Schaeff. / Atmantarı: On meadow, edible, [8], 14.05.2022, KS 1072.

96. *Agaricus augustus* Fr. / Şehzademantarı: Under oak trees, edible, [64], 24.11.2020, KS 361.

97. *Agaricus bisporus* (J.E. Lange) Imbach / Kültürmantarı: On meadow, edible, [8], 14.05.2022, KS 1073.

98. *Agaricus comtulus* Fr. / Bozuk kızıl: On moss, edible, [67], 01.12.2020, KS 463.

99. *Agaricus crocodilinus* Murrill / Küt kızıl: Under oak trees, edible, [65], 14.05.2022, KS 1105.

100. *Agaricus pampeanus* Speg. / Pırtıklı kızıl: On meadow, edible, [8], 14.05.2022, KS 1074.

101. *Agaricus xanthodermus* Genev. / Ağulu kızıl: Under walnut trees, [66], 10.11.2020, KS 149; under walnut trees, poisonous, [64], 24.11.2020, KS 340.

102. *Coprinus comatus* (O.F. Müll.) Pers. / Söbelen: Under oak trees, [69], 01.12.2020, KS 449; under oak trees, [5], 07.05.2022, KS 989; under willow trees, edible, [7], 14.05.2022, KS 1102.

103. *Cyathus olla* (Batsch) Pers. / Çizgiliyuva: On plant residue, [22], 03.11.2020, KS 116; on willow branch, [2], 01.04.2021, KS 490; on plant residue, inedible, [23], 02.06.2022, KS 1151.

104. *Echinoderma echinaceum* (J.E. Lange) Bon / Geniş sigillibaş: On oak log, inedible, [82], 01.12.2020, KS 485.

105. *Lepiota cristata* (Bolton) P. Kumm. / Pullu: On walnut remnants, [62], 24.11.2020, KS 327; in mixed woodland, poisonous, [18], 20.05.2021, KS 713.

106. *Lepiota erminea* (Fr.) P. Kumm. / Süt pullu: Under oak trees, inedible, [64], 24.11.2020, KS 363.

107. *Lepiota lilacea* Bres. / Çayır pullusu: On plant residue, poisonous, [79], 27.11.2020, KS 74.

108. *Lepiota xanthophylla* P.D. Orton / Paslı pullu: On wetland soil, inedible, [36], 14.07.2021, KS 791.

109. *Leucoagaricus leucothites* (Vittad.) Wasser / Ak etlice: On meadow, edible, [38], 06.10.2020, KS 1.

110. *Macrolepiota mastoidea* (Fr.) Singer / Turnabacağı: Under oak trees, [64], 24.11.2020, KS 341; under oak trees, edible, [69], 01.12.2020, KS 448.

111. *Macrolepiota procera* (Scop.) Singer / Kartalayağı: Under oak trees, edible, [64], 24.11.2020, KS 362.

Amanitaceae E.-J. Gilbert

112. *Amanita lividopallescens* (Gillet) Bigeard & H. Guill.

/ Kasketkesesi: On meadow, inedible, [22], 10.06.2022, KS 1222.

113. *Saproamanita vittadinii* (Moretti) Redhead, Vizzini, Drehmel & Contu / Duvakluca: On meadow, edible, [65], 25.05.2022, KS 1104.

***Bolbitiaceae* Singer**

114. *Bolbitius titubans* (Bull.) Fr. / Gübremantarı: On meadow, [8], 14.05.2022, KS 1069; on poplar log, edible, [36], 29.05.2022, KS 1128.

115. *Conocybe apala* (Fr.) Arnolds / Ak yalınetek: Under willow trees, [12], 07.05.2021, KS 638; on meadow, poisonous, [16], 20.05.2021, KS 748.

116. *Conocybe filaris* (Fr.) Kühner / Çiğ yalınetek: Under poplar-willow trees, poisonous, [77], 06.10.2020, KS 27.

117. *Conocybe fuscimarginata* (Murrill) Singer / Dal yalınetek: Under oak trees, [70], 01.12.2020, KS 453; meadow, inedible, [3], 07.05.2022, KS 1004.

118. *Conocybe juniana* (Velen.) Hauskn. & Svrček / Top yalınetek: Under oak trees, [86], 10.11.2020, KS 177; under willow trees, inedible, [24], 09.06.2022, KS 1205.

119. *Conocybe moseri* Watling / Yar yalınetek: Under willow trees, [57], 14.11.2020, KS 198; under poplar trees, inedible, [40], 20.07.2021, KS 832.

120. *Conocybe pulchella* (Velen.) Hauskn. & Svrček / Çit yalınetek: On meadow, inedible, [5], 07.05.2022, KS 987.

121. *Conocybe rickeniana* P.D. Orton / Pak yalınetek: On meadow, [47], 07.05.2021, KS 680; under plum trees, inedible, [21], 10.06.2022, KS 1211.

122. *Conocybe rickenii* (Jul. Schäff.) Kühner / El yalınetek: On meadow, [10], 07.05.2021, KS 647; in mixed woodland, [18], 20.05.2021, KS 709; on meadow, inedible, [7], 14.05.2022, KS 1094.

123. *Conocybe siennophylla* (Berk. & Broome) Singer ex Chiari & Papetti / Kor yalınetek: Under poplar trees, inedible, [36], 14.09.2021, KS 849.

124. *Conocybe subovalis* Kühner & Watling / Piç yalınetek: On meadow, inedible, [1], 07.07.2021, KS 765.

125. *Conocybe tenera* (Schaeff.) Kühner / Daz yalınetek: On meadow, [87], 10.11.2020, KS 184; under rose bushes, inedible, [5], 07.05.2022, KS 994.

***Clitocybaceae* Vizzini, Consiglio & M. Marchetti**

126. *Clitocybe dealbata* (Sowerby) P. Kumm., / Ağulu hunimantar: Under willow bushes, poisonous, [36], 29.05.2022, KS 1130.

127. *Collybia nuda* (Bull.) Z.M. He & Zhu L. Yang / Mavi cincile: Under poplar bushes, [11], 07.05.2021, KS 661; in mixed woodland, edible, [17], 20.05.2021, KS 705-KS 707.

128. *Collybia personata* (Fr.) Z.M. He & Zhu L. Yang / Dikenmantarı: Under oak trees, [42], 11.04.2021, KS 516; under apple trees, edible, [42], 05.05.2021, KS 626.

129. *Collybia sordida* (Schumach.) Z.M. He & Zhu L. Yang / Diri cincile: Under nettle, [61], 14.11.2020, KS 203; under willow trees, edible, [41], 05.05.2021, KS 615-616.

***Cortinariaceae* Singer**

130. *Cortinarius decipiens* (Pers.) Zawadzki / Som örümcekmantarı: On plant remains, [37], 30.09.2021, KS 920-KS 923; on plant remains, inedible, [37], 24.10.2021, KS 940.

131. *Cortinarius evernius* (Fr.) Fr. / Küt örümcekmantarı: On wetland plant remains, inedible, [38], 06.10.2020, KS 2.

132. *Cortinarius flexipes* (Pers.) Fr. / Hatun örümcekmantarı: Under willow trees, inedible, [37], 24.10.2021, KS 939.

133. *Cortinarius orellanus* Fr. / Ağulu örümcekmantarı: It was found in a mixed woodland area consisting of walnut, oak, willow, poplar, blackberry, hawthorn, rosehip and wild apple trees., poisonous, [27], 23.11.2020, KS 282.

***Crepidotaceae* (S. Imai) Singer**

134. *Crepidotus casparyi* Velen. / Ökçe ayaksız: On willow branch, inedible, [4], 07.05.2022, KS 1006.

135. *Crepidotus luteolus* Sacc. / Sarı ayaksız: On *Celtis* sp., tree, [68], 10.11.2020, KS 153; on remains plane tree, inedible, [64], 24.11.2020, KS 335.

136. *Simocybe centunculus* (Fr.) P. Karst. / No Turkish name has been suggested yet: On oak stump, [18], 04.05.2021, KS 571; on willow stump, inedible, [22], 10.06.2022, KS 1218.

***Cuphophyllaceae* (Z.M. He & Zhu L. Yang) Vizzini, Consiglio & P. Alvarado**

137. *Cuphophyllus virgineus* (Wulfen) Kovalenko / Mumşakpa: On plant residue, inedible, [57], 14.11.2020, KS 201.

***Cyphellaceae* Burnett**

138. *Chondrostereum purpureum* (Pers.) Pouzar / Morraf: On sycamore tree, [64], 24.11.2020, KS 334; on walnut leaf, inedible, [45], 30.11.2020, KS 419.

***Entolomataceae* Kotl. & Pouzar**

139. *Entoloma clypeatum* (L.) P. Kumm. / Tepeli kıvrıkbaş: Under poplar trees, poisonous, [6], 07.05.2022, KS 1035.

140. *Entoloma elodes* (Fr.) P. Kumm. / Mutlu kıvrıkbaş: Oak clearing on meadow area, [14], 01.12.2020, KS 443; under poplar trees, poisonous, [36], 29.05.2022, KS 1135.

141. *Entoloma incanum* (Fr.) Hesler / Kemerli kıvrıkbaş: Under poplar and willow trees, poisonous, [37], 30.09.2021, KS 924.

142. *Entoloma lividoalbum* (Kühner & Romagn.) Kubička / Çolak kıvrıkbaş: Under oak trees, edible, [4], 07.05.2022, KS 1018.

143. *Entoloma sericeoides* (J.E. Lange) Noordel. / Seri kıvrıkbaş: In mixed woodland, [17], 20.05.2021, KS 696; in mixed woodland, poisonous, [6], 07.05.2022, KS 1047.

144. *Entoloma sinuatum* (Bull. ex Pers.) P. Kumm. / Ağulu kıvrıkbaş: Under poplar trees, [11], 07.05.2021, KS 663; under oak trees, poisonous, [6], 07.05.2022, KS 1026.

***Galeropsidaceae* Singer**

145. *Panaeolus cinctulus* (Bolton) Sacc. / Kor tersçanı: On fertilized soil by stream, poisonous, [48], 01.04.2021, KS 504.

146. *Panaeolus fimicola* (Pers.) Gillet / Yoz tersçanı: On oak branch, [81], 01.12.2020, KS 468; on carpet, poisonous, [20], 24.10.2021, KS 945.

147. *Panaeolus olivaceus* F.H. Möller / Kara tersçanı: Under walnut trees, poisonous, [29], 23.11.2020, KS 287.

148. *Panaeolus papilionaceus* (Bull.) Quél. / Süslü tersçanı: Under mulberry trees, [33], 15.11.2020, KS 262; in mixed woodland, poisonous, [18], 20.05.2021, KS 708.

149. *Panaeolus reticulatus* Overh. / Ağ tersçanı: On meadow, poisonous, [47], 07.05.2021, KS 679.

***Hygrophoraceae* Lotsy**

150. *Arrhenia griseopallida* (Desm.) Watling / Yağlı yosunmantarı: On mossy area, inedible, [64], 24.11.2020, KS 364.

151. *Arrhenia rickenii* (Hora) Watling / Narin yosunmantarı: On mossy area, inedible, [82], 01.12.2020, KS 473.

152. *Arrhenia spathulata* (Fr.) Redhead / Kaşık yosunmantarı: Oak clearing on moss, inedible, [64], 24.11.2020, KS 346.

153. *Arrhenia velutipes* (P.D. Orton) Redhead, Lutzoni, Moncalvo & Vilgalys / Tüylü yosunmantarı: On moss, inedible, [67], 01.12.2020, KS 462.

154. *Hygrophorus marzuolus* (Fr.) Bres. / Yanık gaypaşuk: It was found in a mixed woodland area consisting of walnut, oak, willow, poplar, blackberry, hawthorn, rosehip and wild apple trees., edible, [37], 30.09.2021, KS 916.

***Hymenogastraceae* Vittad.**

155. *Galerina graminea* (Velen.) Kühner / Benli galerina: On oak clearing meadow, [15], 01.12.2020, KS 440; on meadow, inedible, [80], 01.12.2020, KS 467.

156. *Galerina marginata* (Batsch) Kühner / Kenar galerina: On oak stump, [78], 27.10.2020, KS 68; under oak trees, poisonous, [16], 20.05.2021, KS 733.

157. *Galerina paludosa* (Fr.) Kühner / Koca galerina: Under blackberry tree, on moss, inedible, [48], 01.04.2021, KS 506.

158. *Galerina sideroides* (Bull.) Kühner / Özge galerina: Under oak trees, on moss, inedible, [64], 14.11.2020, KS 229.

159. *Gymnopilus penetrans* (Fr.) Murrill / Örtük: Under oak trees, poisonous, [64], 24.11.2020, KS 373.

160. *Psilocybe subcoprophila* (Britzelm.) Sacc. / Ters kefgarik: On manure, poisonous, [73], 10.11.2020, KS 167.

161. *Pruinomyces acicula* (Schaeff.) Kun L. Yang, Jia Y. Lin & Zhu L. Yang / Sivri kukulcuk: On blackberry branch, [48], 01.04.2021, KS 508; on oak remnant, inedible, [7], 14.05.2022, KS 1096.

***Inocybaceae* Jülich**

162. *Inocybe cincinnata* (Fr.) Quél. / Çingenekümbeti: On walnut leaf remnant, [32], 15.11.2020, KS 240; in mixed woodland, [17], 20.05.2021, KS 697; under willow trees, poisonous, [24], 09.06.2022, KS 1202.

163. *Inocybe dulcamara* (Pers.) P. Kumm. / Hanımkümbet: Under poplar trees, poisonous, [37], 30.09.2021, KS 919.

164. *Inocybe griseolilacina* J.E. Lange / Bacaklı kümbet: On ground, poisonous, [76], 06.10.2020, KS 24.

165. *Inocybe lacera* (Fr.) P. Kumm. / Çırpıkümbet: Under walnut, poplar, pomegranate and willow trees, poisonous, [78], 27.10.2020, KS 67.

166. *Inocybe margaritispora* (Berk.) Sacc. / İncikümbet: On moss, poisonous, [43], 29.09.2021, KS 893.

167. *Inocybe nitidiuscula* (Britzelm.) Lapl. / Kozkümbet: In mixed woodland, [16], 20.05.2021, KS 730; on mossy

area, poisonous, [22], 24.10.2021, KS 958.

168. *Inocybe queletii* Konrad / Eskikümbet: In mixed woodland, [17], 20.05.2021, KS 704; under poplar trees, [35], 14.09.2021, KS 839; under poplar-willow trees, poisonous, [35], 29.05.2022, KS 1121.

169. *Inosperma cookei* (Bres.) Matheny & Esteve-Rav. / Dikkümbet: On willow stump, [17], 20.05.2021, KS 702; in mixed woodland, poisonous, [16], 20.05.2021, KS 731-732.

170. *Mallochybe leucoblema* (Kühner) Matheny & Esteve-Rav. / Özkümbet: Under poplar trees, poisonous, [37], 24.10.2021, KS 935.

171. *Mallochybe perbrevis* (Weinm.) Matheny & Esteve-Rav. / Kısakümbet: On moss, poisonous, [32], 15.11.2020, KS 242.

172. *Pseudosperma rimosum* (Bull.) Matheny & Esteve-Rav. / Uysalkümbet: Under poplar-willow trees, poisonous, [40], 20.07.2021, KS 831.

***Lycoperdaceae* F. Berchtold & J. Presl**

173. *Bovista nigrescens* Pers. / Kara pufmantarı: On meadow, [48], 01.04.2021, KS 512; on meadow, edible, [41], 11.04.2021, KS 522.

174. *Bovista plumbea* Pers. / Pufmantarı: Under oak trees, [68], 10.11.2020, KS 164-165; on meadow, edible, [46], 07.05.2021, KS 664.

175. *Lycoperdon mammiforme* Pers. / Pelte poslak: On meadow, edible, [6], 07.05.2022, KS 1030.

176. *Utraria mollis* (Pers.) R.L. Zhao & J.Xin Li / Zayıf poslak: Under oak trees, edible, [64], 14.11.2020, KS 231.

177. *Utraria umbrina* (Pers.) R.L. Zhao & J.Xin Li / Şiş poslak: Oak clearing on meadow, inedible, [64], 24.11.2020, KS 360.

***Lyophyllaceae* Jülich**

178. *Leucocybe candicans* (Pers.) Vizzini, P. Alvarado, G. Moreno & Consiglio / Akkadın: Under oak trees, inedible, [64], 24.11.2020, KS 359.

179. *Ossicaulis lignatilis* (Pers.) Redhead & Ginns / Sütperisi: On poplar remnants, inedible, [11], 07.05.2021, KS 662.

***Marasmiaceae* Roze ex Kühner**

180. *Calyptrella capula* (Holmsk.) Quél. / Dalavize: On oak branch, [87], 10.11.2020, KS 185; on plant residue, inedible, [37], 14.07.2021, KS 798.

181. *Crinipellis scabella* (Alb. & Schwein.) Murrill / Dazmantar: On meadow, inedible, [23], 02.06.2022, KS 1152.

182. *Marasmius epiphyllus* (Pers.) Fr. / Cüce paraşütü: On willow branch, [31], 02.11.2020, KS 102; on plant residue, inedible, [37], 30.09.2021, KS 922.

183. *Marasmius oreades* (Bolton) Fr. / Mıhbaşı: On meadow, edible, [35], 26.10.2020, KS 35.

184. *Marasmius rotula* (Scop.) Fr. / Paraşütmantarı: On sycamore-willow leaves, inedible, [36], 26.10.2020, KS 56.

***Melanoleucaceae* Locq. ex Vizzini, Consiglio & P. Alvarado**

185. *Melanoleuca brevipes* (Bull.) Pat. / Kısa yılanmantarı: Under willow trees, [5], 07.05.2022, KS 990; on meadow, edible, [7], 14.05.2022, KS 1093.

186. *Melanoleuca cognata* (Fr.) Konrad & Maubl. /Kahve

yılanmantarı: Under oak trees, [48], 01.04.2021, KS 509; under oak trees, edible, [4], 07.05.2022, KS 1015.

187. *Melanoleuca communis* Sánchez-García & J. Cifuentes / Sivri yılanmantarı: Oak clearing on meadow, edible, [49], 01.04.2021, KS 498.

188. *Melanoleuca excissa* (Fr.) Singer / Boz yılanmantarı: Under oak trees, [64], 24.11.2020, KS 347; in mixed woodland, edible, [16], 20.05.2021, KS 723-724.

189. *Melanoleuca melaleuca* (Pers.) Murrill / Saf yılanmantarı: Under walnut trees, [64], 24.11.2020, KS 338; under oak trees, edible, [9], 14.05.2022, KS 1089.

190. *Melanoleuca polioleuca* (Fr.) Kühner & Maire / Kırk yılanmantarı: Under oak trees, edible, [64], 24.11.2020, KS 354.

191. *Melanoleuca subalpina* (Britzelm.) Bresinsky & Stangl / Ak yılanmantarı: On meadow, edible, [48], 01.04.2021, KS 510.

192. *Melanoleuca substrictipes* Kühner / Dügüm yılanmantarı: On meadow, [69], 01.12.2020, KS 445; oak clearing on meadow, [48], 01.04.2021, KS 511; on meadow, edible, [46], 07.05.2021, KS 677.

***Mycenaceae* Overeem**

193. *Linopodium filopes* (Bull.) Kun L. Yang, Jia Y. Lin & Zhu L. Yang / Doruk kukulcuk: On oak log, inedible, [14], 01.12.2020, KS 444.

194. *Mycena abramsii* (Murrill) Murrill / Sil kukulcuk: On oak log, [33], 15.11.2020, KS 246; on oak log, inedible, [4], 07.05.2022, KS 1013.

195. *Mycena aetites* (Fr.) Quél. / Orak kukulcuk: On oak log, [64], 14.11.2020, KS 224; on oak remnant, inedible, [70], 01.12.2020, KS 457.

196. *Mycena capillaris* (Schumacher) P. Kumm. / Narin kukulcuk: On beech leaf remnant, inedible, [76], 06.10.2020, KS 18.

197. *Mycena epipterygia* (Scop.) Gray / Yel kukulcuk: On poplar log, [18], 04.05.2021, KS 590; on plant residue, inedible, [42], 05.05.2021, KS 613.

198. *Mycena galericulata* (Scop.) Gray / Buğulu kukulcuk: On walnut tree, [85], 25.11.2020, KS 388; on willow stump, edible, [36], 29.05.2022, KS 1126.

199. *Mycena leptcephala* (Pers.) Gillet / Başlı kukulcuk: Under oak trees, inedible, [63], 24.11.2020, KS 308.

200. *Mycena polygramma* (Bull.) Gray / Ayrık kukulcuk: On sycamore tree, inedible, [78], 27.10.2020, KS 64.

201. *Mycena renati* Quél. / Ekşi kukulcuk: On tree remains, [18], 03.05.2021, KS 573; on oak log, edible, [6], 07.05.2022, KS 1046.

202. *Mycena vitilis* (Fr.) Quél. / Asma kukulcuk: On meadow, inedible, [33], 15.11.2020, KS 261.

***Omphalinaceae* Vizzini, Consiglio & M. Marchetti**

203. *Omphalina pyxidata* (Bull.) Quél. / Çukurgöbek: Oak clearing on meadow, inedible, [13], 01.12.2020, KS 442.

***Omphalotaceae* Bresinsky**

204. *Gymnopus dryophilus* (Bull.) Murrill / Sarı çırpıbacak: On oak log, [84], 25.11.2020, KS 384; under oak trees, edible, [65], 25.05.2022, KS 1106.

205. *Gymnopus hariolorum* (Bull.) Antonín, Halling & Noordel. / Tüylü çırpıbacak: Under oak trees, [88],

30.11.2020, KS 422; on rosehip tree, inedible, [35], 14.07.2021, KS 783.

206. *Gymnopus ocior* (Pers.) Antonín & Noordel. / Benekli çırpıbacak: On blackberry branch, [68], 10.11.2020, KS 157; on oak leaves, edible, [70], 01.12.2020, KS 456.

207. *Gymnopus vernus* (Ryman) Antonín & Noordel. / Kadife çırpıbacak: Under plane tree, inedible, [33], 15.05.2020, KS 264.

208. *Lentinula edodes* (Berk.) Pegler / Şitake: On willow stump, edible, [10], 07.05.2021, KS 653.

209. *Rhodocollybia butyracea* (Bull.) Lennox / Göverttek: On plant residue, edible, [22], 03.11.2020, KS 121.

210. *Rhodocollybia maculata* (Alb. & Schwein.) Singer / Alaca göverttek: Under willow trees, inedible, [27], 23.11.2020, KS 283.

***Physalacriaceae* Corner**

211. *Armillaria cepistipes* Velen. / Narin balmantarı: On oak branch, edible, [87], 10.11.2020, KS 183.

212. *Armillaria mellea* (Vahl) P. Kumm. / Bal mantarı: On oak tree, edible, [22], 10.06.2022, KS 1216.

213. *Armillaria ostoyae* (Romagn.) Herink / Külahlı balmantarı: On oak tree, edible, [84], 25.11.2020, KS 383.

214. *Flammulina velutipes* (Curtis) Singer / Tüylübacak: On poplar log, edible, [36], 11.11.2022, KS 1226.

215. *Hymenopellis megalospora* (Clem.) R.H. Petersen / No Turkish name has been suggested yet: On poplar log, edible, [18], 04.05.2021, KS 599.

***Pleurotaceae* Kühner**

216. *Pleurotus eryngii* (DC.) Quél. / Çakşırmantarı: On *Ferula* sp., plant remains, edible, [1], 28.05.2022, KS 1115.

217. *Pleurotus nebrodensis* (Inzenga) Quél. / Engubanistiridyasi: Poplar clearing on meadow, edible, [46], 07.05.2021 KS 675.

218. *Pleurotus ostreatus* (Jacq.) P. Kumm. / İstiridyemantarı: On poplar stump, [28], 01.11.2020, KS 84; on poplar stump, [60], 14.11.2020, KS 186; on poplar log, edible, [41], 05.05.2020, KS 617-KS 625.

219. *Resupinatus applicatus* (Batsch) Gray / Cüceyanak: On willow log, inedible, [10], 09.11.2020, KS 137.

220. *Resupinatus striatulus* (Pers.) Murrill / No Turkish name has been suggested yet: On walnut log, inedible, [22], 03.11.2020, KS 125.

***Pluteaceae* Kotl. & Pouzar**

221. *Pluteus insidiosus* Vellinga & Schreurs / Alık çıtkırdı: Under poplar trees, inedible, [35], 14.09.2021, KS 840.

222. *Pluteus nanus* (Pers.) P. Kumm. / Cüce çıtkırdı: On oak stump, [16], 20.05.2021, KS 719; under poplar trees, inedible, [37], 24.10.2021, KS 934.

223. *Pluteus plautus* (Weinm.) Gillet / Öksüz çıtkırdı: Under oak trees, inedible, [16], 20.05.2021, KS 721.

224. *Pluteus podospileus* Sacc. & Cub. / Yüksük çıtkırdı: On willow root, inedible, [43], 29.09.2021, KS 888.

225. *Pluteus romellii* (Britzelm.) Sacc. / El çıtkırdı: On plant residue, [42], 05.05.2021, KS 608; on poplar-willow log, edible, [35], 29.05.2022, KS 1123.

226. *Pluteus satur* Kühner & Romagn. / Kaba çıtkırdı: On plane tree log, [77], 06.10.2020 KS 28; on oak tree, inedible, [79], 27.10.2020 KS 75.

227. *Pluteus thomsonii* (Berk. & Broome) Dennis / Süslü çitkirdi: On oak tree, inedible, [16], 20.05.2021, KS 738.

228. *Volvopluteus gloiocephalus* (DC.) Vizzini, Contu & Justo / Kakilvik: On meadow, edible, [46], 07.05.2021, KS 665.

Porothelaceae Murrill

229. *Phloeomana hiemalis* (Osbeck) Redhead / Ak yivlişemsiye: On *mahlep* sp., tree, inedible, [7], 14.05.2022, KS 1098.

230. *Phloeomana speirea* (Fr.) Redhead / Boz yivlişemsiye: On *celtis* sp., tree, [68], 10.11.2020, KS 154; on oak log, [11], 07.05.2021, KS 658; On meadow, inedible, [23], 02.06.2022, KS 1150.

Psathyrellaceae Vilgalys, Moncalvo & Redhead

231. *Candolleomyces badiophyllus* (Romagn.) D. Wächt. & A. Melzer / Dal pulcuklu: On oak log, inedible, [81], 01.12.2020, KS 470.

232. *Candolleomyces candolleanus* (Fr.) D. Wächt. & A. Melzer / Güzel pulcuklu: Under poplar trees, [46], 07.05.2021, KS 669; under willow trees, [75], 06.06.2022, inedible, KS 1187-1188.

233. *Coprinellus disseminatus* (Pers.) J.E. Lange / Minik mürekkep: On plant residue, [26], 04.05.2021, KS 574; on moss, inedible, [72], 22.09.2021, KS 864.

234. *Coprinellus domesticus* (Bolton) Vilgalys, Hopple & Jacq. Johnson / Evcilmürekkep: On plant residue, [33], 15.11.2020, KS 263; on oak stump, inedible, [63], 24.11.2020, KS 341.

235. *Coprinellus ephemerus* (Bull.) Redhead, Vilgalys & Moncalvo / Ehramimürekkep: Plant residue, inedible, [42], 05.05.2021, KS 612.

236. *Coprinellus flocculosus* (DC.) Vilgalys, Hopple & Jacq. Johnson / Tüylümürekkep: On willow log, inedible, [9], 14.05.2022, KS 1079.

237. *Coprinellus micaceus* (Bull.) Vilgalys, Hopple & Jacq. Johnson / Pullümürekkep: On willow log, [56], 03.05.2021, KS 565; on poplar log, edible, [75], 06.05.2022, KS 1174.

238. *Coprinellus xanthothrix* (Romagn.) Vilgalys, Hopple & Jacq. Johnson / Sarıümürekkep: On willow branch, inedible, [2], 01.04.2021, KS 489.

239. *Coprinopsis alopecia* (Lasch) La Chiusa & Boffelli / Filiz söbelen: Under plane, poplar and willow trees, inedible, [36], 26.10.2020, KS 57.

240. *Coprinopsis atramentaria* (Bull.) Redhead, Vilgalys & Moncalvo / Kütük döbeleni: Under willow stump, inedible, [22], 11.11.2022, KS 1224.

241. *Coprinopsis canocephus* (Kauffman) Örstadius & E. Larss. / Ahu döbeleni: Under hawthorn tree, inedible, [34], 05.05.2021, KS 631.

242. *Coprinopsis cinerea* (Schaeff.) Redhead, Vilgalys & Moncalvo / Gümüş döbeleni: On oak remains, inedible, [4], 07.05.2022, KS 1016.

243. *Coprinopsis cothurnata* (Godey) Redhead, Vilgalys & Moncalvo / Paşa döbeleni: Under oak trees, inedible, [88], 30.11.2020, KS 436.

244. *Coprinopsis echinospora* (Buller) Redhead, Vilgalys & Moncalvo / Gürbüz döbeleni: Under poplar trees, inedible, [37], 14.07.2021, KS 809.

245. *Coprinopsis episcopalis* (P.D. Orton) Redhead, Vilgalys & Moncalvo / Keşiş döbeleni: On wood remains, inedible, [47], 07.05.2021, KS 686.

246. *Coprinopsis lagopus* (Fr.) Redhead, Vilgalys & Moncalvo / Hümmüz döbeleni: On pomegranate tree branch, [76], 06.10.2020, KS 20; on meadow, edible, [82], 01.12.2020, KS 472.

247. *Coprinopsis macrocephala* (Berk.) Redhead, Vilgalys & Moncalvo / İri döbeleni: On manure, inedible, [4], 07.05.2022, KS 1021.

248. *Coprinopsis marcescibilis* (Britzelm.) Örstadius & E. Larss. / Boncuk döbeleni: On wood, inedible, [68], 10.11.2020, KS 158.

249. *Coprinopsis picacea* (Bull.) Redhead, Vilgalys & Moncalvo / Billur döbeleni: On oak log, inedible, [6], 07.05.2022, KS 1051.

250. *Coprinopsis tigrinella* (Boud.) Redhead, Vilgalys & Moncalvo / Üç döbeleni: On plant residue, inedible, [23], 02.06.2022, KS 1154.

251. *Ephemerocybe heterothrix* (Kühner) Kun L. Yang, Jia Y. Lin & Zhu L. Yang / Altınmürekkep: On plant residue, inedible, [24], 09.06.2022, KS 1200.

252. *Ephemerocybe impatiens* (Fr.) Kun L. Yang, Jia Y. Lin & Zhu L. Yang / Cammürekkebi: Under walnut trees, inedible, [9], 14.05.2022, KS 1084.

253. *Homophron cernuum* (Vahl) Örstadius & E. Larss. / Kümelimantar: On streamside sandy area, inedible, [41], 11.04.2021, KS 520.

254. *Homophron spadiceum* (P. Kumm.) Örstadius & E. Larss. / Sarı kümelimantar: On poplar log bottom, inedible, [35], 29.05.2022, KS 1119.

255. *Lacrymaria lacrymabunda* (Bull.) Pat. / Hıyarmantarı: On oak log, [18], 04.05.2021, KS 572; forest clearing by stream, edible, [20], 24.10.2021, KS 942.

256. *Narcissea patouillardii* (Quél.) D. Wächt. & A. Melzer / No Turkish name has been suggested yet: On plant residue, inedible, [83], 25.11.2020, KS 393.

257. *Parasola auricoma* (Pat.) Redhead, Vilgalys & Hopple / Sevelen: On plant residue, [33], 15.11.2020, KS 256; under poplar trees, inedible, [75], 06.06.2022, KS 1185.

258. *Parasola conopila* (Fr.) Örstadius & E. Larss. / Kırk sevelen: Under oak trees, [86], 10.11.2020, KS 179; under oak trees, inedible, [88], 30.11.2020, KS 435.

259. *Parasola hemerobia* (Fr.) Redhead, Vilgalys & Hopple / Kor sevelen: Oak clearing on meadow, inedible, [80], 01.12.2020, KS 465.

260. *Parasola kuehneri* (Uljé & Bas) Redhead, Vilgalys & Hopple / Doruk sevelen: Under poplar-willow trees, inedible, [35], 29.05.2022, KS 1124.

261. *Parasola leioccephala* (P.D. Orton) Redhead, Vilgalys & Hopple / Efe sevelen: On plant remains, [76], 06.10.2020, KS 23; on oak log, inedible, [49], 01.04.2021, KS 497.

262. *Parasola plicatilis* (Curtis) Redhead, Vilgalys & Hopple / Açık sevelen: On plant residue, [87], 10.11.2020, KS. 181; on plant residue, inedible, [40], 20.07.2021, KS. 833.

263. *Psathyrella ammophila* (Durieu & Lév.) P.D. Orton / Kum pulcuklusu: In mixed woodland, [88], 30.11.2020, KS

423; under poplar trees, inedible, [47], 07.05.2021, KS 682.

264. *Psathyrella bifrons* (Berk.) A.H. Sm. / Gök pulcuklu: On plant residue, [27], 23.11.2020, KS 284; on plant residue, inedible, [88], 30.11.2020, KS 428-429.

265. *Psathyrella bipellis* (Quél.) A.H. Sm. / Gür pulcuklu: On plant residue, [18], 04.05.2021, KS 593; on plant residue, inedible, [40], 20.07.2021, KS 823.

266. *Psathyrella corrugis* (Pers.) Konrad & Maubl. / Küt pulcuklu: On plant residue, [61], 14.11.2020, KS 205-206; on oak log, inedible, [81], 01.12.2020, KS 469.

267. *Psathyrella fatua* (Fr.) Konrad & Maubl. / Tok pulcuklu: Sandy area by stream, inedible, [48], 01.04.2021, KS 505.

268. *Psathyrella hirta* Peck / No Turkish name has been suggested yet: Under willow trees, inedible, [10], 07.05.2021, KS 652.

269. *Psathyrella microrhiza* (Lasch) Konrad & Maubl. / Ortak pulcuklu: On willow branch, inedible, [68], 10.11.2020, KS 162.

270. *Psathyrella murcida* (Fr.) Kits van Wav. / Arı pulcuklu: On walnut branch, [78], 27.10.2020, KS 61; on plant residue, inedible, [04], 05.10.2021, KS 582.

271. *Psathyrella obtusata* (Pers.) A.H. Sm. / Kesik pulcuklu: On plant residue, inedible, [50], 20.04.2021, KS 552.

272. *Psathyrella ochracea* (Romagn.) M.M. Moser ex Kits van Wav. / Sarı pulcuklu: On plant residue, inedible, [33], 15.11.2020, KS 257.

273. *Psathyrella panaeoloides* (Maire) Arnolds / Bodur pulcuklu: On meadow, [25], 30.04.2022, KS 969-970; on willow residue, inedible, [24], 09.06.2022, KS 1203.

274. *Psathyrella phegophila* Romagn. / Cıvıl pulcuklu: On plant residue under nettle, inedible, [59], 14.11.2020, KS 217.

275. *Psathyrella picta* (Romagn.) Romagn. ex Bon / Az pulcuklu: In mixed woodland, [88], 30.11.2020, KS 424; on meadow, [23], 02.06.2022, KS 1155; on meadow, inedible, [21], 10.06.2022, KS 1208-1209.

276. *Psathyrella prona* (Fr.) Gillet / Yel pulcuklu: Under poplar and willow trees, [38], 06.10.2020, KS 4; under oak trees, inedible, [88], 30.11.2020, KS 433.

277. *Psathyrella pseudogracilis* (Romagn.) M.M. Moser / Yağ pulcuklu: Under blackberry trees, [33], 15.11.2020, KS 255; under poplar trees, inedible, [29], 23.11.2020, KS 293.

278. *Psathyrella spadiceogrisea* (Schaeff.) Maire / Yol pulcuklu: Under willow trees, inedible, [12], 07.05.2021, KS 637.

279. *Psathyrella tephrophylla* (Romagn.) Bon / Zarif sevelen: On plant residue, [33], 15.11.2020, KS 259-260; under walnut trees, inedible, [24], 09.06.2022, KS 1201.

Pseudoclitocybaceae Vizzini, Consiglio, P.-A. Moreau & P. Alvarado

280. *Pseudoclitocybe cyathiformis* (Bull.) Singer / Peslivan: Under oak trees, inedible, [63], 24.11.2020, KS 307.

Schizophyllaceae Quél.

281. *Schizophyllum commune* Fr. / Kımuk: On willow tree branch, [88], 30.11.2020, KS 425; on poplar tree branch, inedible, [18], 04.05.2021, KS 580.

Strophariaceae Singer & A.H. Sm.

282. *Agrocybe dura* (Bolton) Singer / Yaz meteliği: On meadow, edible, [38], 06.10.2020, KS 3.

283. *Agrocybe paludosa* (J.E. Lange) Kühner & Romagn. ex Bon / Yaş metelik: Under willow trees, inedible, [52], 20.04.2021, KS 531.

284. *Agrocybe praecox* (Pers.) Fayod / Bahar meteliği: Under willow trees, edible, [8], 14.05.2022, KS 1075.

285. *Deconica coprophila* (Bull.) P. Karst. / Tez kefgarik: On horse manure, inedible, [53], 08.05.2022, KS 1056.

286. *Hebeloma alpinum* (J. Favre) Bruchet / Dağ turpkokanı: Under poplar trees, [57], 14.11.2020, KS 196; on mossy surface, edible, [22], 24.11.2021, KS 955.

287. *Hebeloma collariatum* Bruchet / Kıvrık turpkokan: Mossy surface under poplar trees, inedible, [35], 26.10.2020, KS 37.

288. *Hebeloma crustuliniforme* (Bull.) Quél. / Benekli turpkokan: Under poplar trees, poisonous, [35], 29.05.2022, KS 1118.

289. *Hebeloma mesophaeum* (Pers.) Quél. / Ala turpkokan: In mixed woodland, edible, [17], 20.05.2021, KS 698.

290. *Hebeloma populinum* Romagn. / Kavak turpkokan: Under poplar trees, inedible, [22], 24.10.2021, KS 961.

291. *Hypholoma lateritium* (Schaeff.) P. Kumm. / Yan sarıpapak: On poplar log, edible, [75], 06.06.2022, KS 1189.

292. *Leratiomyces percevalii* (Berk. & Broome) Bridge & Spooner / No Turkish name has been suggested yet: On oak remnant, inedible, [64], 24.11.2020, KS 371.

293. *Meotomycetes dissimulans* (Berk. & Broome) Vizzini / No Turkish name has been suggested yet: On walnut branch and leaf remnants, inedible, [45], 30.11.2020, KS 412-413-414.

294. *Pholiota adiposa* (Batsch) P. Kumm. / Kıvrık pulbaş: On pear tree, edible, [37], 24.10.2021, KS 932.

295. *Pholiota aurivella* (Batsch) P. Kumm. / Sarı pulbaş: On poplar tree, [29], 23.11.2020, KS 294; on oak trees, [88], 30.11.2020, KS 438; on poplar log, edible, [35], 30.09.2021, KS 909-910.

296. *Pholiota carbonaria* (Fr.) Singer / Kara pulbaş: Under rosehip tree, [52], 20.04.2021, KS 535; on oak log, inedible, [50], 20.04.2021, KS 558.

297. *Pholiota conissans* (Fr.) M.M. Moser / Geniş pulbaş: On willow stump, inedible, [28], 01.11.2020, KS 86.

298. *Pholiota gummosa* (Lasch) Singer / Yapışkan pulbaş: On willow stump, inedible, [37], 24.10.2021, KS 931.

299. *Pholiota limonella* (Peck) Sacc. / Saman pulbaş: Under poplar trees, inedible, [6], 07.05.2022, KS 1036.

300. *Pholiota lucifera* (Lasch) Quél. / Kılılı pulbaş: On walnut branch, inedible, [22], 24.10.2021, KS 965.

301. *Pholiota spumosa* (Fr.) Singer / Telli pulbaş: On plane tree stump, inedible, [36], 26.10.2020, KS 55.

302. *Protostropharia semiglobata* (Batsch) Redhead, Moncalvo & Vilgalys / Küre erbaş: On manure, inedible, [18], 20.05.2021, KS 710.

303. *Stropharia coronilla* (Bull.) Quél. / Kefgarik: On meadow, [54], 10.05.2022, KS 1062; on meadow, edible, [23], 02.06.2022, KS 1158.

Tricholomataceae R. Heim ex Pouzar

304. *Aspropaxillus lepistoides* (Maire) Kühner & Maire / Dar hunışapka: On meadow, edible, [55], 03.05.2021, KS 560.

305. *Neoclitycybe alnetorum* (J. Favre) Singer / Akyanak: Under poplar trees, [46], 07.05.2021, KS 674; in mixed woodland, poisonous, [18], 20.05.2021, KS 716.

306. *Tricholoma populinum* J.E. Lange / Kavakkarakız: Under poplar trees, [20], 24.10.2021, KS 952; under poplar trees, [22], 24.10.2021, KS 961; under walnut trees, edible, [22], 24.10.2021, KS 964.

307. *Tricholoma saponaceum* (Fr.) P. Kumm. / Kokulukarakız: Under oak and fruit trees, edible, [22], 24.10.2021, KS 962.

308. *Tricholoma scalpturatum* (Fr.) Quél. / Yabankarakız: On willow stump, [51], 11.04.2021, KS 527; under poplar trees, edible, [46], 07.05.2021, KS 673.

309. *Tricholoma sciodes* (Pers.) C. Martín / Zarıfkarakız: Under poplar-willow trees, inedible, [22], 24.10.2021, KS 959.

310. *Tricholoma terreum* (Schaeff.) P. Kumm. / Karakızmantarı: In mixed woodland, [16], 20.05.2021, KS 720; under walnut trees, edible, [22], 24.10.2021, KS 963.

Tubariaceae Vizzini

311. *Tubaria conspersa* (Pers.) Fayod / Ökse tubarya: Under poplar-willow trees, [35], 26.10.2020, KS 41; under oak trees, [88], 30.11.2020, KS 432; on rosehip tree, inedible, [35], 14.07.2021, KS 784.

312. *Tubaria dispersa* (Pers.) Singer / No Turkish name has been suggested yet: Under oak trees, inedible, [4], 07.05.2022, KS 1014.

313. *Tubaria furfuracea* (Pers.) Gillet / Fırfırlı tubarya: On sycamore stump, [77], 06.10.2020, KS 26; on grapevine residue, inedible, [74], 22.09.2021, KS 872.

314. *Tubaria romagnesiana* Arnolds / Borazan tubarya: On wood residue, inedible, [68], 10.11.2020, KS 159.

Typhulaceae Jülich

315. *Typhula erythropus* (Pers.) Fr. / No Turkish name has been suggested yet: On walnut leaf residue, [21], 03.11.2020, KS 108; on blackberry residue, inedible, [32], 15.11.2020, KS 236.

316. *Typhula fistulosa* (Holmsk.) Olariaga / Kızıllöbut: On wood residue, inedible, [33], 15.11.2020, KS 247.

317. *Typhula juncea* (Alb. & Schwein.) P. Karst. / Değnek mantarı: On walnut leaf stalks, [33], 15.11.2020, KS 253; on leaf remains, inedible, [27], 23.11.2020, KS 277.

318. *Typhula setipes* (Grev.) Berthier / No Turkish name has been suggested yet: On willow leaves, [30], 02.11.2020, KS 98; on poplar leaf, inedible, [37], 14.07.2021, KS 801.

Volvariellaceae Vizzini, Cons. & P. Alvarado

319. *Volvariella bombycina* (Schaeff.) Singer / Tüylü yumurtamantarı: On walnut tree, edible, [72], 22.09.2021, KS 867.

Boletales E.-J. Gilbert

Boletaceae Chevall.

320. *Boletus reticulatus* Schaeff. / Ayı mantarı: Under oak trees, edible, [44], 29.09.2021, KS 898.

Diplocystidiaceae Kreisel

321. *Astraeus hygrometricus* (Pers.) Morgan / Dişli yıldız: Under oak trees, inedible, [63], 24.11.2020, KS 310.

Hygrophoropsidaceae Kühner

322. *Hygrophoropsis aurantiaca* (Wulfen) Maire / Zerşapka: On walnut branch, poisonous, [64], 24.11.2020, KS 332.

Paxillaceae Lotsy

323. *Paxillus involutus* (Batsch) Fr. / Ağulu iztutan: Under willow trees, [27], 23.11.2020, KS 275; under poplar trees, poisonous, [35], 30.09.2021, KS 906.

Sclerodermataceae Corda

324. *Scleroderma areolatum* Ehrenb. / Süslüfoslak: Under blackberry, grape and walnut trees, inedible, [68], 10.11.2020, KS 151.

Gaeastrales K. Hosaka & Castellano

Gaeastraceae Corda

325. *Gaeastrum elegans* Vittad. / Narin yeryıldızı: Under steppe astragalus plant, inedible, [37], 24.10.2021, KS 927.

326. *Gaeastrum floriforme* Vittad. / Cüce yeryıldızı: Under oak trees, inedible, [6], 07.05.2022, KS 1041.

Gloeophyllales Thorn

Gloeophyllaceae Jülich

327. *Neolentinus cyathiformis* (Schaeff.) Della Magg. & Trassin. / Engin tanrıverdi: On poplar log, [18], 04.05.2021, KS 570; on poplar log, edible, [17], 20.05.2021, KS 699.

Hymenochaetales Oberw.

Hymenochaetaceae Donk

328. *Phellinus igniarius* (L.) Quél. / Karatoynak: On willow log, [38], 06.10.2020, KS 7-8; on willow log, [10], 07.05.2021, KS 645-KS 651; on willow tree stump, inedible, [37], 30.09.2021, KS 926.

329. *Phellinus viticola* (Schwein.) Donk / Asmatoynak: On willow stump, inedible, [10], 07.05.2021, KS 649.

330. *Phylloporia ribis* (Schumach.) Ryvarden / Katlıkadife: On oak stump, inedible, [82], 01.12.2020, KS 478.

Polyporales Gäum.

Irpicaceae Spirin & Zmitr.

331. *Phanericium tuberculatum* (P. Karst.) K.H. Larss. & Spirin / Yumru fiberya: On willow log, inedible, [5], 07.05.2022, KS 1002.

Meripilaceae Jülich

332. *Meripilus sanguinolentus* (Alb. & Schwein.) Rajchenb. & Westph. / Mezarsaran: On willow log, inedible, [44], 29.09.2021, KS 897.

333. *Meripilus vitreus* (Pers.) Rajchenb. & Westph. / Beyazköpük: On oak log, inedible, [79], 27.10.2020, KS 80.

Phanerochaetaceae Jülich

334. *Bjerkandera adusta* (Willd.) P. Karst. / Kandermantarı: On poplar log, inedible, [46], 07.05.2021, KS 670.

335. *Terana coerulea* (Lam.) Kuntze / Mürkekpeyalamış: On walnut log, inedible, [66], 10.11.2020, KS 144.

Polyporaceae Fr. ex Corda

336. *Cerioporus squamosus* (Huds.) Quél. / Görkemli: On willow log, [42], 05.05.2021, KS 603; on poplar log, [36],

14.09.2021, KS 852; on poplar log, edible, [75], 06.06.2022, KS 1171.

337. *Fomes fomentarius* (L.) Fr. / Kavmantarı: On oak log, [50], 20.04.2021, KS 547; on willow log, [35], 14.07.2021, KS 780; on willow log, inedible, [36], 14.09.2021, KS 851.

338. *Ganoderma adspersum* (Schulzer) Donk / Koca reysi: On willow log, [51], 14.11.2020, KS 216; on walnut log, inedible, [59], 05.05.2021, KS 628.

339. *Ganoderma lucidum* (Curtis) P. Karst. / Reysi: On oak tree, inedible, [43], 29.09.2021, KS 891.

340. *Lentinus arcularius* (Batsch) Zmitr. / Delikli kaplanmantarı: On oak log, [49], 01.04.2021, KS 494; on tree stump, inedible, [37], 14.07.2021, KS 808.

341. *Lentinus brumalis* (Pers.) Zmitr. / Küt kaplanmantarı: On walnut stump, inedible, [50], 20.04.2021, KS 549.

342. *Lentinus tigrinus* (Bull.) Fr. / Kaplanmantarı: On willow stump, [12], 07.05.2021, KS 639-KS 641; on walnut log, edible, [74], 22.09.2021, KS 874.

343. *Trametes ochracea* (Pers.) Gilb. & Ryvarden / Limon hindimantarı: On oak log, inedible, [79], 27.10.2020, KS 76.

344. *Trametes trogii* Berk. / Som hindikuyruğu: On poplar log, inedible, [36], 11.11.2022, KS 1125.

345. *Trametes versicolor* (L.) Lloyd / Hindikuyruğu: On willow log, [17], 20.05.2021, KS 701; on walnut tree, inedible, [74], 22.09.2021, KS 877.

Russulales Kreisel ex P.M. Kirk, P.F. Cannon & J.C. David
Peniophoraceae Lotsy

346. *Peniophora quercina* (Pers.) Cooke / Meşe dalsüsü: On oak branch, inedible, [66], 10.11.2020, KS 147.

Russulaceae Lotsy

347. *Lactifluus bertillonii* (Neuhoff ex Z. Schaef.) Verbeken / Aksütlüce: Under poplar-willow trees, [38], 06.10.2020, KS 6; under willow trees, [36], 14.09.2021, KS 858; on willow trees under, edible, [37], 30.09.2021, KS 925.

Stereaceae Pilát

348. *Stereum gausapatum* (Fr.) Fr. / Katmantarı: On oak branch, inedible, [79], 27.10.2020, KS 73.

349. *Stereum hirsutum* (Willd.) Pers. / Kılı katmantarı: On willow stump, inedible, [10], 07.05.2021, KS 654.

Sebacinales M. Weiss, Selosse, Rexer, A. Urb. & Oberw.

Sebacinaceae K. Wells & Oberw.

350. *Sebacina epigaea* (Berk. & Broome) Bourdot & Galzin / Sebasin: On plant residue, inedible, [60], 22.09.2021, KS 870.

Thelephorales Corner ex Oberw.

Thelephoraceae Chevall.

351. *Thelephora terrestris* Ehrh. ex Fr. / Kuru onparmak: On wetland moss, inedible, [22], 10.11.2020, KS 1223.

Tremellomycetes Doweld

Tremellales Fr.

Tremellaceae Fr.

352. *Tremella mesenterica* (Schaeff.) Pers. / Saripelte: On grapevine branch, [66], 10.11.2020, KS 146; on oak branch, edible, [16], 20.05.2021, KS 736.

4. Discussions

This study, examined 1226 macrofungus specimens collected between 2020 and 2022 the Hakkâri central and Çukurca district, designated the research areas. A total of 352 macrofungus species were identified, distributed across 7 classes, 16 orders, 73 families, and 147 genera. Of these, 94 species (27%) belong to the *Ascomycota* division, comprising 44 genera in 23 families within 6 orders, while 258 species (73%) belong to the *Basidiomycota* division, comprising 101 genera in 50 families within 10 orders.

When the edibility status of the 352 species identified in the research area was examined, 78 species (22%) were found to be edible, while 238 species (67%) were inedible due to factors such as tough texture, small size, or unpleasant taste. Additionally, 36 species (11%) identified in the research area contain various toxic substances according to the literature and can cause mild or serious poisoning if consumed.

Although 78 edible species were identified in the research area, local people eat only certain species from the *Agaricus* and *Pleurotus* genera, (which they know well). It was found that they call *Agaricus* species “kivarka giya” and *Pleurotus eryngii* “kivarka çiya”, “kivarka helize”, or “kivarka kerkol”. Additionally, mushrooms from the *Morchella* genus and *Pleurotus ostreatus* species have recently appeared in local markets. Despite being show samples collected during field studies local people, stated that they do not eat mushrooms other than these genera and consider the rest poisonous. *Pleurotus eryngii*, collected and traded especially in the spring in Hakkari center and Çukurca district, an important source of income. In the spring of 2026, it was sold for 1000-1500 TL/kg per kilogram (Fig. 2). Similarly, *Morchella* species were sold for 2000 TL/kg per kilogram in local markets. It has also been observed that, although not well-known in the region, *Pleurotus ostreatus* has recently begun to be collected and consumed.

The 7 classes in which the identified species are distributed are ranked according to the number of species they contain as follows: *Agaricomycetes* (257 species, 72.80%), *Pezizomycetes* (58 species, 16.43%), *Leotiomycetes* (28 species, 8.21%), *Sordariomycetes* (6 species, 1.66%), *Dothideomycetes* (1 species, 0.28%), *Orbiliomycetes* (1 species, 0.28%), and *Tremellomycetes* (1 species, 0.28%) (Fig. 3).

Most of the species identified in the research area (225 species) belong to the order *Agaricales*. This is thought to



Figure 2. A view from a local market

be due to the ecological and climatic characteristics of the research area and the fact that the order *Agaricales* is the most numerous order of the class *Agaricomycetes*, which includes the majority of macrofungi found on Earth. After the order *Agaricales*, the orders with the most species are, respectively, *Pezizales* (58), *Helotiales* (28), *Polyporales* (15), *Boletales* (5), *Russulales* (4), *Xylariales* (4), *Hymenochaetales* (3), *Geastrales* (2), *Hypocreales* (2), *Gloeophyllales* (1), *Orbiliales* (1), *Patellariales* (1), *Sebacinales* (1), *Thelephorales* (1) and *Tremellales* (1) (Fig. 4). One species whose order is not yet known is given as *Incertae sedis* (1). This highly diverse order distribution in our research area is due to vegetation and climatic conditions that directly influence macrofungal development and diversity.

When we examine the distribution of macrofungus samples collected from the research area by month, we see that the highest number of samples were collected in November, May, October, September, June, July, April, and December, respectively (Fig. 5). In January, February, and March, ecological factors were found to be unsuitable for the spread and growth of macrofungi. No samples could be collected in these months due to low temperatures and the soil being covered with snow. This situation stems from the fact that the most important climatic factors for macrofungus development, such as precipitation, relative humidity, and temperature, are quite favorable in the region during spring, summer, and autumn, especially from April to the beginning of December. 488 macrofungus samples were collected in 2020, 484 in 2021, and 254 in 2022. In the research area, mushrooms belonging to the genera *Coprinus*, *Coprinopsis*, and *Coprinellus* are known as “kivarka keran” mushrooms belonging to the genera *Bovista* and *Lycoperdon* as “fisa gırg,” and mushrooms belonging to the genera *Fomes* and *Phellinus* as “kivarka dare” and are considered inedible.

Even though approximately 11% (38 species) of the macromushrooms found in the research area are poisonous, no cases of poisoning were reported in interviews with residents. However, the general belief among local people is that mushrooms growing on trees are poisonous. Previous studies on macromushrooms have been conducted in Hakkari city center and the Çukurca district and its surroundings, which were selected as the research area. In these studies, no macromushrooms were identified in Hakkari city center or the Çukurca district. The number of species identified in these studies and their similarities to the species found in the research area are presented in Table 2.

Table 2. Studies conducted near the research area and their similarities to the topic

Research	Total # of species	# of identical species	Similarity
Acar et al., 2020	203	105	51.72
Kaya and Akçay, 2024	109	63	62.00
Kesici and Uzun, 2021	109	78	71.55
Demirel et al., 2015	122	51	41.80
Kaya, 2001	60	28	46.66
Çağlı and Öztürk, 2020	86	57	66.27
Demirel and Koçak, 2016	96	58	60.41
Demirel, 1996	50	23	46.00
Demirel, 1996	50	23	46.00

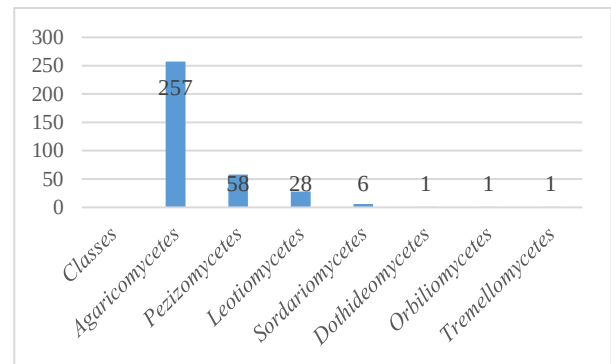


Figure 3. The distribution of the identified species by class

As shown in Table 2, the mushrooms identified in our study area are similar to those found in studies conducted in nearby regions. The area was compared with Geçitli village and its surroundings (Hakkâri) (Kaya and Akçay, 2024), Adaklı village and its surroundings (Yüksekova-Hakkâri) (Kesici and Uzun, 2021), and the Van Region (Demirel et al., 2015). Similarity percentages were found to be 51.72% with Şemdinli-Yüksekova, 62.00% with Geçitli village and its surroundings, and 71.55% with Adaklı village and its surroundings. The study also showed similarity rates of 41.80% with the Van region, 46.66% with Bitlis, 66.27% with Muradiye (Van), 60.41% with the Zilan valley (Erciş-Van), and 46.00% with the city of Van. These similarities and differences are thought to stem from the unique climate and vegetation of the study area. As a result of this study, the habitat and substrate preferences, edibility status, and seasonal distribution of large mushroom species growing in Hakkari city center and Çukurca region have been determined, and a basis for future taxonomic studies has been established.

The macrofungal taxa identified in the present study were compared with those from previous mycological studies conducted in various parts of Hakkari province. The comparison revealed that a total of 231 taxa represent new records for Hakkâri province and had not been reported in earlier studies. This finding indicates that the study makes a significant contribution to the macrofungal diversity of the Hakkâri region.

Although the present study provides important data on the mycobiota of the research area, it includes certain environmental and logistical constraints. The continental climatic conditions prevailing in the region directly affected the sampling process. Due to high temperatures and drought during summer and heavy precipitation

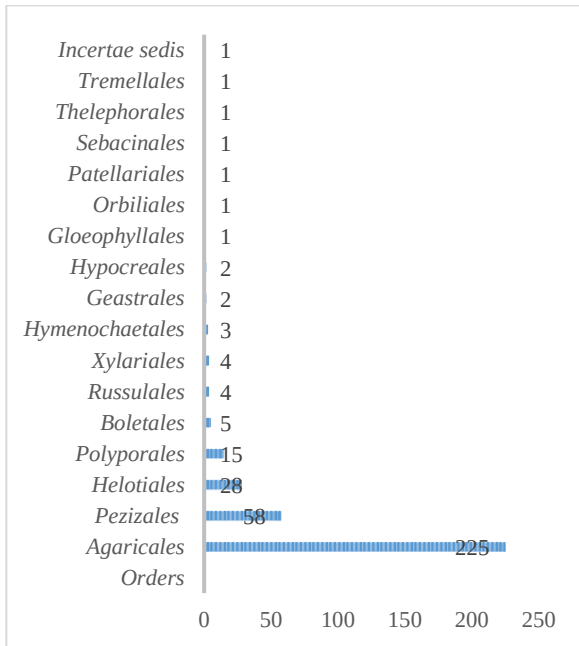


Figure 4. The distribution of the identified species by order

accompanied by severe cold during winter, fungal fructification periods occurred irregularly. Consequently, no field surveys or specimen collections could be conducted particularly in August and in January, February, and March. This situation implies that some species with short-lived or narrow phenological occurrence periods may not have been detected.

The scope of fieldwork was additionally limited by accessibility and security conditions. Some settlements in the region have long been abandoned and their access routes are closed, certain areas are restricted due to security regulations, and parts of the terrain consist of steep and rocky topography that prevents safe access. Therefore, it

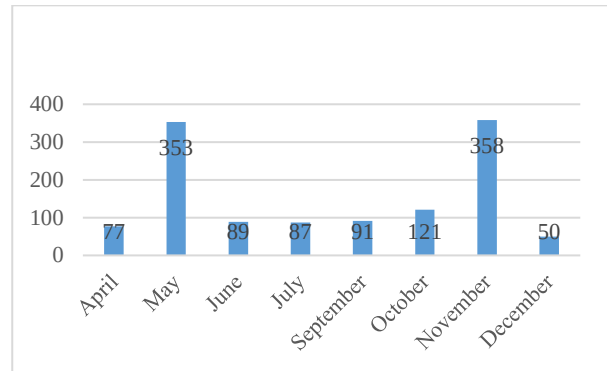


Figure 5. Distribution of macrofungi collected in the research area by month

was not possible to distribute sampling plots homogeneously across all habitats, and species restricted to isolated microhabitats may have remained unrecorded.

Accordingly, although the findings largely reflect the existing fungal diversity of the study area, the actual species richness of the region could be revealed more comprehensively through long-term investigations conducted with broader accessibility.

Conflict of Interest

Authors have declared no conflict of interest.

Authors' Contribution

The authors declare that they have contributed equally to the article.

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References

- Acar İ (2023). A new locality record from the order of *Helotiales*; *Cistella grevillei*, Mantar Dergisi 14(2): 78-81. <https://doi.org/10.30708/mantar.1302779>
- Acar İ, Karabiyik H (2025a). Rare Basidiomycete *Resupinatus rouxii* reported for the first time in Türkiye. Acta Silvae et Ligni 137: 1-10. DOI: 10.20315/ASetL.137.1
- Acar İ, Karabiyik H (2025b). Contributions to the family *Arachnopezizaceae* from Çanakkale (Türkiye). Biological Diversity and Conservation 18(2): 235-242. <https://doi.org/10.46309/biodicon.2025.1632955>
- Acar İ, Karabiyik H (2025c). Diversity of *Melanoleuca* Pat. (*Basidiomycota*, *Agaricales*) in Çanakkale, Türkiye: morphological and molecular perspectives. Trakya University Journal of Natural Sciences 26(2): 182-194. <https://izlik.org/JA34UN25TY> DOI: 10.23902/trkjnat.543576
- Acar İ, Karabiyik H, Vooren NV (2026). First record of *Tarsetta oblongispora* (*Pezizomycetes*) in Türkiye. Nova Hedwigia 122(3-4): 475-482. DOI: 10.1127/nova_hedwigia/1155
- Acar İ, Quijada L (2022). A new species record from the order of *Pezizales*; *Coprotus disculus*. Mantar Dergisi 13(2): 120-123. <https://doi.org/10.30708/mantar.1128739>
- Acar İ, Uzun Y, Akata I (2020). Şemdinli ve Yüksekova (Hakkâri-Türkiye) ilçelerinden belirlenen bazı makrofunguslar. Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi 23(1): 157-167. <https://doi.org/10.18016/ksutarimdog.vi.588237>
- Akata I, Altundaş D, Gizem B, Şahin E (2022). *Pisolithus albus*, A new record for turkish gastroid fungi. Mantar Dergisi 13(2): 128-133. <https://doi.org/10.30708/mantar.1174384>
- Akata I, Kumru E, Sahin E, Acar İ, Kaya E (2024a). *Amanita vidua*: A new record for Turkish *Amanita* Section *Phalloideae* based on morphological and molecular data. Trakya University Journal of Natural Sciences 25(1): 97-110. <https://doi.org/10.23902/trkjnat.1446327>

- Akata I, Ediř G, Kumru E, Acar İ, Sahin E (2024b). Taxonomic studies on *Rhodocybe asyae* specimens discovered in a new location. Kahramanmarař Sütçü İmam Üniversitesi Tarım ve Doęa Dergisi 27(Suppl 1): 124-132. <https://doi.org/10.18016/ksutarimdog.vi.1507554>
- Akata I, Ediř G, Kumru E, Acar İ, Sahin E (2024c). Initial Report of *Inocybe costinitii* in Türkiye with morphological and molecular data. Kahramanmarař Sütçü İmam Üniversitesi Tarım ve Doęa Dergisi 27(6): 1304-1312. <https://doi.org/10.18016/ksutarimdog.vi.1467628>
- Akata İ, Kumru E, Ediř G, Acar İ, Sahin E (2024d). Two newly reported *Agaricales* species from Türkiye with morphological and molecular data. Kastamonu University Journal of Forestry Faculty 24(3): 260-280. <https://doi.org/10.17475/kastorman.1599952>
- Anonymous (2026). Geographical structure of Hakkâri. Access address: [https://tr.wikipedia.org/wiki/Hakkâri_\(il\)](https://tr.wikipedia.org/wiki/Hakkâri_(il)) [Accessed: February 16, 2026].
- Çaęlı G, Öztürk A (2020). Macromycetes determined in Muradiye (Van) district. Anatolian Journal of Botany 4(1): 57-64. doi:10.30616/ajb.657010
- Demirel K (1996). The macrofungi of Van Province (Turkey). Turkish Journal of Botany 20(2): 165-169.
- Demirel K, Uzun Y, Akçay ME, Keleş A, Acar İ, Efe V (2015). Van yöresi makromantarlarına katkılar. Mantar Dergisi 6(2): 13-23. <https://izlik.org/JA82XU24XX>
- Demirel K, Koçak MZ (2016). Zilan Vadisi'nin (Erciř-VAN) makrofungal çeřitlilięi. Mantar Dergisi 7(2): 122-134. Doi :10.15318/Fungus.2016222680
- Dizkırııcı A, Acar İ (2022). *Hymenoscyphus conscriptus* & *H. fucatus*, newly recorded from Turkey. Mycotaxon 137(3): 555-567. <https://doi.org/10.5248/137.555>
- Dizkırııcı A, Kalmer A, Acar İ (2022). New Turkish records of *Hebeloma excedens*, *H. geminatum*, and confirmation of *H. celatum*. Mycotaxon 137(1): 123-134. <https://doi.org/10.5248/137.123>
- Ediř G, Kumru E, Acar İ, Karabıyık H, Akata I (2025). First Report of *Rhodocybe fumanellii* (Entolomataceae) from Türkiye with Morphological and Molecular Characterisation. Tarım ve Doga Dergisi 28(5): 1197. <https://doi.org/10.18016/ksutarimdog.vi.1703181>
- Güner A, Akata I, Akgül H, Akyüz E, Alkayış MF, Allı H, Asal D, Asan A, Aydınkal RM, Aydoędu H, Can M, Çingay B, Çimen AÖ, Doęan HH, Erdoędu M, Gemici A, Genç SH, Giray G, İkinci N, İnci ř, Kabaktepe ř, Kadioęlu Z, Kanoęlu SS, Karaltı İ, Kařık G, Kaya A, Keskin M, Kırbag ř, Körüklü ST, Kültür ř, Özcan A, Özkale E, Özkan AM, Öztürk C, Öztekin M, Sarısoy G, Selçuk F, Sesli E, Sevindik M, Sözen KB, Tekřen M, Ulukapı M, Yalçınkaya R, Yařarkan O (2020). Türkçe Mantar Adları (Turkish Fungi Names). İn: Sesli, E., Asan, A., Selçuk, F., (eds.). Türkiye Mantarları Listesi (The Checklist of Fungi of Turkey). Ali Nihat Gökyięit Vakfı Yayını. İstanbul.
- Kalmer A, Kesici S, Tekpınar A, Uzun Y (2025). Identification and phylogenetic analysis of two newly recorded *Hebeloma* species (*Basidiomycota*) from Türkiye. Trakya University Journal of Natural Sciences 26(2): 195-202. DOI: 10.23902/trkjinat.58745277
- Karaduman Y, Yeřilyurt F, Uzun Y, Kaya A (2024). *Floccularia luteovirens*, a new edible mushroom record for Turkish Mycobiota. Biological Diversity and Conservation 17(1): 72-78. <https://doi.org/10.46309/biodicon.2023.1332008>
- Kařık G, Alkan S, Aktař S, Öztürk C, Akgül H (2022). Macrofungi of Yenice (Karabük) district and new records for Turkey. Kahramanmarař Sütçü İmam Üniversitesi Tarım ve Doęa Dergisi 25(6): 1264-1278. <https://doi.org/10.18016/ksutarimdog.vi.889463>
- Kaya A (2001). Contributions to the macrofungi flora of Bitlis Province. Turkish Journal of Botany 25(6): 379-383.
- Kaya S, Akçay ME (2024). Geçitli Köyü (Hakkâri) ve civarında tespit edilen makromantarlar. Doęu Fen Bilimleri Dergisi 7(1): 23-40. <https://doi.org/10.57244/dfbd.1466316>
- Kaya S, Akçay ME, Kesici S, Sadullahoęlu C (2022). Contribution to the *Agaricales* of Türkiye, Mikolojide Güncel Arařtırmalar-I. İKSAD Publishing House: Van 2022. Pp. 191-202.
- Kaygusuz O (2022). First record of *Bolbitius reticulatus* (*Agaricales: Bolbitiaceae*) in Turkey, with nuclear ITS and LSU rDNA sequences data. Mantar Dergisi 13(1): 1-7. <https://doi.org/10.30708/mantar.1000098>
- Kaygusuz O, Bandini D, Knudsen H, Türkel İ (2023). Türkiye'den yeni bir tür olan *Pseudosperma pamukkalense* (*Inocybaceae: Agaricomycetes*). Phytotaxa 599(4): 225-238. <https://doi.org/10.11646/phytotaxa.599.4.2>
- Keleş A, Uzun Y, Kaya A (2022). *Chlorophyllum hortense*, A new record for Turkish mycobiota. Mantar Dergisi 13(1): 62-65. <https://doi.org/10.30708/mantar.1039832>
- Kesici S, Akçay ME, Sadullahoęlu C, Uzun Y (2022b). Six *Typhula* spp. newly recorded from Türkiye. Mycotaxon 137(3): 577-589. <https://doi.org/10.5248/137.577>
- Kesici S, Sadullahoęlu C, Uzun Y, Akçay ME (2022a). Türkiye mikobiyotası için yeni cins kaydı, Mikolojide Güncel Arařtırmalar-I. İKSAD Publishing House: Van 2022. Pp. 181-189.
- Kesici S, Uzun Y (2021). Adaklı (Yüksekova/Hakkâri) ve çevre köylerde belirlenen makromantarlar. The Journal of Fungus 12(2): 148-162. <https://doi.org/10.30708/mantar.916649>
- Örenç FZ, Uzun Y, Kaya A (2026). *Marasmius epiphylloides*, a new record for Türkiye. Mantar Dergisi 17(1): 62-66.
- Sadullahoęlu C, Kesici S, Uzun Y, Akçay ME (2025). Hakkâri yöresinden Türkiye mikobiyotası için İki Yeni *Galerina* Kaydı, Mantar Dergisi 16(1): 42-48. <https://doi.org/10.30708/mantar.1620464>

- Sadullahoğlu C, Kesici S, Uzun Y, Akçay ME, Kaya S (2023). Türkiye kortikoid mantarlarına Hakkâri'den yeni bir kayıt. Doğu Fen Bilimleri Dergisi 6(1): 10-14. <https://doi.org/10.57244/dfbd.1216908>
- Sadullahoğlu C, Uzun Y (2025). Some macrofungi determined in Oltu and Narman (Erzurum-Türkiye) Region. KSU J. Agric Nat 28(4): 1011-1024. DOI: 10.18016/ksutarimdog.vi.1619781.
- Sesli E (2022a). *Suillus mediterraneensis* (Jacquet. & J. Blum) Redeuilh (*Suillaceae*): Türkiye mikotası için yeni bir kayıt. Mantar Dergisi 13(1): 66-70. <https://doi.org/10.30708/mantar.1080463>
- Sesli E (2022b). *Cortinarius leucopus* (Bull.) Fr.: Türkiye mikotası için yeni bir kayıt. Bağbahçe Bilim Dergisi 9(2): 37-40. <https://doi.org/10.35163/bagbahce.1081861>
- Sesli E (2022c). *Gymnopus impudicus* (Fr.) Antonin, Halling & Noordel.: A new record for the Turkish mycota. Biyolojik Çeşitlilik ve Koruma 15(1): 103-106. <https://doi.org/10.46309/biodicon.2022.1081652>
- Sesli E (2022d). *Amanita spadicea*: Türkiye mikotası için yeni bir kayıt. Mantar Dergisi 13(2): 92-95. <https://doi.org/10.30708/mantar.1094745>
- Sesli E (2022e). *Inocybe tarda* Kühner: Türkiye mikotası için yeni bir kayıt. Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi 25(2): 352-355. <https://doi.org/10.18016/ksutarimdog.vi.1080714>
- Sesli E (2023a). *Hebeloma limbatum* Beker, Vesterh. & U. Eberh. A new record for the Turkish mycota. Mantar Dergisi 14(1): 51-54. <https://doi.org/10.30708/mantar.1239194>
- Sesli E (2023b). *Cortinarius bovinus* Fr., A New record for the Turkish mycota. Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi 26(6): 1443-1446. <https://doi.org/10.18016/ksutarimdog.vi.1242499>
- Sesli E (2023c). *Cortinarius brunneofulvus* (*Cortinariaceae*): Türkiye Mikotası için yeni bir kayıt. Bağbahçe Bilim Dergisi 10(2): 256-259. <https://doi.org/10.35163/bagbahce.1245321>
- Sesli E (2023d). *Cortinarius terribilis* (*Cortinariaceae*): A new record for the Turkish mycota from Trabzon. Biological Diversity and Conservation 165(2): 98-101. <https://doi.org/10.46309/biodicon.2023.1236174>
- Sesli E, Asan A, Selçuk F, Abacı Günyar Ö, Akata I, Akgül S, Alkan S, Alı H, Aydoğdu H, Berikten D, Demirel K, Demirel R, Doğan HH, Erdoğan M, Ergül CC, Eroğlu G, Giray G, Halikî Uztan A, Kabaktepe Ş, Kadaifçiler D, Kalyoncu F, Karaltı İ, Kaşık G, Kaya A, Keleş A, Kırbağ S, Kıvanç M, Ocak İ, Ökten S, Özkale E, Öztürk C, Sevindik M, Şen B, Şen İ, Türkekul İ, Ulukapı M, Uzun Y, Uzun Y, Yoltaş A (2020). Türkiye mantarları listesi.: İstanbul: ANG Vakfı Yayınları.
- Solak MH, Türkoğlu A (2022). Macrofungi of Turkey Checklist, Volume 3, İzmir: Kanyılmaz Matbaacılık.
- Uzun Y, Kaya A (2022a). *Octospora tuberculata*, a new record for Turkish Mycota. Biological Diversity and Conservation 15(2): 245-248. <https://doi.org/10.46309/biodicon.2022.1117811>
- Uzun Y, Kaya A (2022b). "*Elaphomyces leucosporus* and *E. mutabilis*, new for Turkey," Mycotaxon 137(2): 381-385. <https://doi.org/10.5248/137.381>
- Uzun Y, Kaya A (2023). *Leucoglossum leucosporum*, Türk mikobiyotası için yeni bir kayıt. Mantar Dergisi 14(2): 92-95. <https://doi.org/10.30708/mantar.1341288>
- Uzun Y, Kaya A (2026). *Marasmiellomycena*, A new genus record for Turkish Mycobiota. Mantar Dergisi 17(1): 38-41.
- Uzun Y, Keleş A, Kaya A (2022). *Pseudohydrops floccipes* (Fr.) Vizzini & Consiglio, a new record for Turkish mycobiota. Mantar Dergisi 13(2): 124-127. <https://doi.org/10.30708/mantar.1159922>
- Uzun Y, Kesici S, Acar İ (2024). A new genus record for the *Phleogenaceae* family from Türkiye. Mantar Dergisi 15(Special Issue): 1-6. Doi: 10.30708/mantar.1566693
- Yeşilyurt F, Uzun Y, Kaya A (2023). *Pseudoboletus parasiticus* (Bull.) Šutara, a New record for Turkish mycobiota. Biological Diversity and Conservation 16(1): 70-74. <https://doi.org/10.46309/biodicon.2023.1227860>
- Yorulmazlar İ, Uzun Y, Kaya A (2025a). *Hohenbuehelia mastrucata*, a new basidiomycete record for Türkiye. Biological Diversity and Conservation 18(2): 152-156.
- Yorulmazlar İ, Uzun Y, Kaya A (2025b). Two new *Mycena* records for Türkiye. Mantar Dergisi 16(2): 100-104.