

Floristic List of Tohma (Malatya-Sivas, Turkey) Valley

Tohma Vadisi (Sivas-Malatya, Türkiye) Flora Listesi

Research Article

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ABSTRACT

The list of the vascular plants specimens of Tohma valley (Malatya-Sivas) was given in this study. 1816 plant specimens were collected from the research area between 2007-2015 years. At the end of the identification of the collected specimens and the results of previous studies, 81 families, 353 genera, 847 species, 18 subspecies, 6 varieties and 871 taxa in total were determined. The largest 3 families are Asteraceae (102 species), Brassicaceae (78 species) and Fabaceae (77 species). The largest 4 genera are *Astragalus* (31 species), *Alyssum* (17 species), *Onosma* (14 species) and *Salvia* (14 species). The phytogeographical spectrum of the species is as follows: Irano-Turanian elements 298 (35.18%), Mediterranean elements 39 (4.60%) and Euro-Siberian elements 27 (3.18%) and multi-regional or phytogeographical unknown 483 (57.02%). The number of endemic species in the research area was determined as 169 (20%). At the same time, new IUCN categories of twelve taxa were proposed.

Key Words

Darende, Flora, Gürün, IUCN, Tohma.

Öz

Bu çalışmada Tohma vadisi (Malatya-Sivas) damarlı bitkilerin listesi verilmiştir. 2007-2015 yılları arasında çalışma alanından 1816 bitki örneği toplanmıştır. Toplanan örneklerin ve daha önceki çalışma sonuçlarının değerlendirilmesi sonucunda 81 familya, 353 cins, 847 tür, 18 alttür 6 varyete ve toplamda 871 takson tespit edilmiştir. En büyük üç familya Asteraceae (102 tür), Brassicaceae (78 tür) ve Fabaceae (77 tür)'dir. En büyük 4 cins *Astragalus* (31 tür), *Alyssum* (17 tür), *Onosma* (14 tür) ve *Salvia* (14 tür) dir. Fitocoğrafik bölgelere göre türlerin dağılımı; İran-Turan elementi 298 (%35.18), Akdeniz elementi 39 (%4.60), Avrupa-Sibirya elementi 27 (%3.18) ve çok bölgeli ya da fitocoğrafik bölgesi bilinmeyen 483 (%57.02)'dür. Çalışma alanındaki endemik tür sayısı 169 (%20) olarak belirlenmiştir. Aynı zamanda 12 takson için yeni IUCN kategorileri önerilmiştir.

Anahtar Kelimeler

Darende, Flora, Gürün, IUCN, Tohma.

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INTRODUCTION

Studies on "Turkey's Important Plant Areas" have been dated back to the early 1990s. The results of the work of 40 scientists from about 20 universities in Turkey were determined 122 important plant areas [1]. Tohma valley is one of the Important Plant Areas. Therewithal, there are two naturel protected area in the Tohma valley. These areas are Günpınar Waterfall and Somuncubaba Canyon which was declared for naturel protected area with the 19813 numbered of official newspaper in 1988 [2]. For this reason, the area has gained importance in the study of vascular plant biodiversity.

Tohma valley is located between Incesu village (Gürün district of Sivas) and Balaban village (Darende district of Malatya provinces). The area is situated at latitude 38°-35° N and longitude 37°-36° E. The study area is located in the Irano-Turanian phytogeographic region. This area is situated in the B6 square according to Davis' grid system [3]. The altitude of the study area varies from 920-1980 m.

Tohma Valley, starting from Sivas territory into two branches, forms a wide groove to Malatya. The rocks in the valley are formed by the overlapping of the plate-shaped. There are limestone rocks with a height of 300-350 meters on both sides of the valley. The most important feature of the area is of gypsum and the limestone hills.

The climatic characteristics of the area were estimated according to the data from Balaban, Darende, and Gürün meteorological stations. Drought index of Emberger ($S = PE/M$) is 0.94 [4] and Mediterranean climate is seen in the study area.

MATERIALS and METHODS

The materials of this study are 1816 vascular plant specimens that were collected from Tohma Valley between the 2007 and 2015. At least one sample for each taxon is deposited at INU herbarium.

Specimens were identified basically using the Flora of Turkey [3,5,6], Flora Europaea [7] and description of the new species [8-10]. Identified

species, records in the studied area from Flora of Turkey [3,5,6] and other studies [11,12] used in the writing of the floristic list. In the floristic list, the following details are stated: family, genus, species (cultivated plants are indicated an asterisk), authors (abbreviations follow Brummitt and Powell [13]), Turkish name of taxa in quotation marks (according to Güner et al. [14]) locality number, collector(s), collector number, phytogeographical region, endemism and IUCN risk categories [15,16].

Collecting localities in the study area are as follows: (1) Malatya: Darende, Balaban village, 920 m; (2) Malatya: Darende, 3. km from Balaban village to Darende, 930 m; (3) Malatya: Darende, between Yeşiltaş-Balaban village, 950 m; (4) Malatya: Darende, Karaoguz village, 920 m; (5) Malatya: Darende, Yenice village, 960 m; (6) Malatya: Darende, Akçatoprak village 920 m; (7) Malatya: Darende, Akova village, 930 m; (8) Malatya: Darende, Irmaklı village, 920 m; (9) Malatya: Darende, 2. km from Irmaklı village, 950 m; (10) Malatya: Darende, opposite slopes of Irmaklı village, 1400-1800 m; (11) Malatya: Darende, Karşiyaka village 950 m; (12) Malatya: Darende district, 1050 m, 950 m; (13) Malatya: Darende, Günpınar waterfall, 1350 m; (14) Malatya: Darende, between Günpınar waterfall-Fatmaderviş village, 1300 m; (15) Malatya: Darende, Gedikağzı village 1100 m; (16) Malatya: Darende, 2. km from Darende to Gürün, 1300 m; (17) Malatya: Darende, 8. km from Darende to Gürün, 1300 m; (18) Malatya: Darende, 12. km from Darende to Gürün district, step, 1350 m; (19) Malatya: Darende, Çukurkaya village, 1000-1200 m; (20) Sivas: Gürün, Yazıköy village, 1200 m; (21) Sivas: Gürün, Ağaçlı village, 1200-1400 m; (22) Sivas: Gürün, Bahçeçi village, 1300 m; (23) Sivas: Gürün, 3. km from Gökpınar lake, 1750 m; (24) Sivas: Gürün, opposite the slopes of Gökpınar lake, 1800 m; (25) Sivas: Gürün, Suçatı village, 1450 m; (26) Sivas: Gürün district, 1400 m; (27) Sivas: Gürün 1. km from Gürün to Sularbaşı village 1500 m; (28) Sivas: Gürün, Tepecik village, 1650 m; (29) Sivas: Gürün, Kavak village, 1800 m; (30) Sivas: Gürün, between Gürün-Incesu village, 1650 m; (31) Sivas: Gürün, Şuğul valley, 1650 m, (32) Sivas: Gürün, Incesu village, Reşadiye town, 1700 m; (33) Sivas: Gürün, 1. km from Yaylacık village, 1750 m.

The abbreviations used in the text and the floristic list are as follows: Ir.-Tur.: Irano-Turanian; Medit.: Mediterranean; E.Medit.: East Mediterranean; Eur.-Sib.: Euro-Siberian; End.: Endemic; CR: Critically EN: Endangered; VU: Vulnerable; LR: Lower risk; ŞK: Şükrü Karakuş; INU: İnönü University Department of Biology Herbarium in Malatya.

Also in this studies, we have applied the IUCN criteria for the threaten categories of species [14]. Threaten categories of some species are firstly determined.

RESULTS and DISCUSSION

At the end of identification of 1816 vascular plant specimens, collected in this study and evaluated previous studies were determined in 81 families, 353 genera, 847 species, 18 subspecies, 6 varieties and total 871 taxa. Five species are non-flowering vascular plants. Seven species belong to Gymnospermae, while the other 835 were Angiospermae. Dicotyledones and Monocotyledones are consisted of 721 and 114 species respectively.

The richest families in terms of number of species are Asteraceae (102 species), Brassicaceae (78 species), Fabaceae (77 species), Poaceae (58 species) and Lamiaceae (56 species). The largest genera are *Astragalus* (31 species), *Alyssum* (17 species), *Onosma* (14 species), *Salvia* (14 species) and *Silene* (13 species). Largest family and genus indicated that dominant vegetation type of the study area is steppe.

The species of the study area, categorized according to phytogeographical regions, can be listed as follows: Irano-Turanian elements 298 (35.18%), Mediterranean elements 39 (4.60%) and Euro-Siberian elements 27 (3.18%) and multi-regional or phytogeographical unknown 483 (57.02%). The dominance of the Ir.-Tur. elements would be expected because the study area is in the Ir.-Tur. region.

In the study area, 169 taxa are endemic to Turkey and the ratio of endemism is 20%. Distribution to the threatened category of endemic (169) and nonendemic (9) taxa are as follows; 8 taxa CR, 22 taxa EN; 27 taxa VU, 121 taxa LR.

Threaten category of *Astragalus darendensis* "Darende giveni" have not been determined until this studies. In our observations, we determined that extent of occurrence estimated to be less than 10 km², severely fragmented or known to exist at only a single location, decline number of mature individuals and population size estimated to number fewer than 50 mature individuals for this species. According to IUCN Red List criteria [16], threaten category of the species is proposed as CR B2ab(v);D.

Threaten category of *Astragalus malatyensis* "malatya giveni" is VU in redlist of plant of Turkey [15]. In our observations, we determined that population size estimated to number fewer than 50 mature individuals for this species. According to IUCN Red List criteria [16], threaten category of the species is proposed as CR D.

Threaten category of *Astragalus scabrifolius* "gövdesiz given" is EN in redlist of plant of Turkey [15]. In our observations, we determined that extent of occurrence estimated to be less than 100 km², severely fragmented or known to exist at only a single location and decline number of mature individuals for this species. According to IUCN Red List criteria [16], threaten category of the species is proposed as CR B1ab(v).

Threaten category of *Psephellus brevifimbriatus* "has tülubaş" is CR in redlist of plant of Turkey [15]. In our observations, we determined that extent of occurrence estimated to be less than 100 km², severely fragmented or known to exist at only a single location and decline number of mature individuals for this species. According to IUCN Red List criteria [16], threaten category of the species is proposed as CR B1ab(v).

Threaten category of *Taraxacum rupicolum* "çitliğ" have not been determined until this studies. In our observations, we determined that extent of occurrence estimated to be less than 10 km², severely fragmented or known to exist at only a single location and decline number of mature individuals for this species. According to IUCN Red List criteria [16], threaten category of the species is proposed as CR B2ab(v).

Eight endemic species are included in CR (critically) threaten categories which they are ***Al-yssum haussknechtii*** Boiss. "maraş kevkisi", ***As-tragalus darendensis*** "Darende geveni", ***Astragalus malatyaensis*** "malatya geveni", ***Astragalus scabrifolius*** "gövdesiz geven", ***Psephellus brevifimbriatus*** "has tülübaş", ***Taraxacum rupicolum*** "çitliğ", ***Thymus cappadocicus*** "taş kekiği" and ***Thymus pallasicus*** "boz kekik".

Threaten category of ***Erodium aytacii*** "bey iğneliği" is suggested as EN by Yıldırım and Koca [9]. In our observations, we determined that area of occupancy estimated to be less than 500 km², severely fragmented or known to exist at no more than five locations and decline of number of mature individuals. According to IUCN Red List criteria [16], threaten category of the species is proposed as EN B2ab(v).

Threaten category of ***Klasea bornmuelleri*** "yitik topbaş" is DD in redlist of plant of Turkey [15]. In our observations, we determined that Population size estimated to number fewer than 2,500 mature individuals and due to road widening works estimated continuing decline of at least 20% within five years or two generations for this species. According to IUCN Red List criteria [16], threaten category of the species is proposed as EN C1.

Threaten category of ***Minuartia corymbulosa*** var. ***gypsophiloides*** "kırk tıstıs" is EN in redlist of plant of Turkey [15]. In our observations, we determined that area of occupancy estimated to be less than 500 km², severely fragmented or known to exist at no more than five locations and decline of number of mature individuals. According to IUCN Red List criteria [16], threaten category of the species is proposed as EN B2ab(v).

Threaten category of ***Salvia ballsiana*** "gerger şalbası" have not been determined until this studies. In our observations, we determined that area of occupancy estimated to be less than 500 km², severely fragmented or known to exist at no more than five locations and decline of number of mature individuals. According to IUCN Red List criteria [16], threaten category of the species is proposed

as EN B2ab(v).

Twenty one endemic species are included in EN (endangered) threaten categories which they are ***Acanthophyllum oppositiflorum*** "has takacak", ***Aethionema lepidioides*** "tere kayagülü", ***Arenaria sivasica*** "sivas kumotu", ***Astragalus stenosemioides*** "zirve geveni", ***Echinophora la-mondiana*** "kaba çördük", ***Erodium aytacii*** "bey iğneliği", ***Erysimum echinellum*** "siğilli zarife", ***Fumana trisperma*** "üç güneşotu", ***Gypsophila leucochlaena*** "darende çöveni", ***Haplophyllum myrtifolium*** "murt sedosu", ***Hedysarum pycnostachyum*** "Fırat batalağı", ***Hedysarum rotundifolium*** "özge batalak", ***Helianthemum germanicopolitanum*** "özge güngülü", ***Hesperis bicuspidata*** "gecemenekşesi", ***Isatis undulata*** "etekli çiviotu" ***Klasea bornmuelleri*** "yitik topbaş", ***Minuartia corymbulosa*** var. ***gypsophiloides*** "kırk tıstıs", ***Onobrychis stenostachya*** subsp. ***krausei*** "başak korunga", ***Onosma bornmuelleri*** "Amasya şincarı", ***Onosma sorgerae*** var. ***sorgerae*** "nemrut çiçeği" and ***Salvia ballsiana*** "gerger şalbası".

Threaten category of ***Acantholimon strigil-losum*** "narın kirpiotu" is VU in redlist of plant of Turkey [15]. In our observations, we determined that area of occupancy estimated to be less than 2,000 km², severely fragmented or known to exist at no more than 10 locations and decline extent of occurrence for this species. According to IUCN Red List criteria [16], threaten category of the species is proposed as VU B2ab(i).

Threaten category of ***Paronychia cataonica*** "gürün etyararı" is VU in redlist of plant of Turkey [15]. In our observations, we determined that area of occupancy estimated to be less than 2,000 km², severely fragmented or known to exist at no more than 10 locations and decline area of occupancy for this species. According to IUCN Red List criteria [16], threaten category of the species is proposed as VU B2ab(ii).

Threaten category of ***Reseda tomentosa*** "havlı gerdanlık" is EN in redlist of plant of Turkey [15]. In our observations, we determined that extent of occurrence estimated to be less than 2000 km², severely fragmented or known to exist at no more than 10 locations, decline of number of mature individuals and population size

estimated to number fewer than 1,000 mature individuals. According to IUCN Red List criteria [16], threaten category of the species is proposed as VU B2ab(v);D1.

Nineteen endemic species are included in VU (vulnerable) threaten categories which they are **Acantholimon acerosum** var. **parvifolium** "pişik keveni", **Acantholimon strigillosum** "narin kirpiotu", **Alyssum anatolicum** "ana kuduzotu", **Alyssum bornmuelleri** "seyyah kevesi", **Astragalus zahlbruckneri** "kubbe geveni", **Bupleurum papillosum** "tüyü şeytanayağı", **Cyclotrichium niveum** "külötu", **Gypsophila pinifolia** "hıskıdım", **Hedysarum aucheri** "altın batalak", **Hesperis syriaca** "arapıtır", **Minuartia rimarum** var. **multiflora** "yer tıstısı", **Onosma argentata** "gümüş emcek", **Papaver persicum** subsp. **fulvum** "kaşıklık", **Phlomis physocalyx** "küfe çalbası", **Pimpinella flabelliifolia** (Boiss.) "yel anasonu", **Paronychia cataonica** "gürün etyarani", **Reseda tomentosa** var. **tomentosa** "havlı gerdanlık", **Tanacetum densum** subsp. **sivasicum** "kırk pireotu" and **Tchihatchewia isatidea** "alligelin".

Nine nonendemic taxa were evaluated in threaten category by Ekim et al. [15]. One of them is EN category that it is **Scutellaria orientalis** subsp. **cretacea** "kulaklı kaside". Eight of them are VU category that they are **Allium asclepideum** "koç soğanı", **Allium asperiflorum** "beyaz soğan", **Brassica deflexa** "sarkık lahana", **Centaurea cassia** subsp. **cassia** "kelseçebaşı", **Erodium gailardotii** "bozkır iğneliği", **Matthiola ovatifolia** "takkeli şebboy", **Onosma decorticans** "göreme emceği" and **Veronica polifolia** "dallı maviş".

Floristic list is given below;

1. PTERIDOPHYTA/EĞRELTİ BÖLÜMÜ (4 family/4 genus/5 species)

ASPLENIACEAE/SAÇAKOTUGİLLER (1 genus /1 species)

Asplenium haussknechtii Godet & Reut. "karabacak", (31), 23.04.2009, ŞK 978.

EQUISETACEAE/ATKUYRUĞUGİLLER (1/2)

Equisetum arvense L. "atkuyruğu", (7), 16.04.2008, ŞK 165. **E. giganteum** L. "kırk kilito-

tu", (17), 13.06.2008, ŞK 376.

OPHIOGLOSSACEAE/DİLOTUGİLLER (1/1)

Ophioglossum lusitanicum L. "dil otu", (31), 23.04.2009, ŞK 927.

PTERIDACEAE/BALDIRIKARAGİLLER (1/1)

Adiantum capillus-veneris L. "baldırıkara", (13), 06.07.2008, ŞK 655.

2. PINOPHYTA/AÇIK TOHURLULAR (3/5/7)

CUPRESSACEAE/SERVİGİLLER (1/2)

Juniperus excelca M.Bieb. var. **excelsa** "boz ardıç", (22), 16.04.2008, ŞK 190. **J. oxycedrus** L. subsp. **oxycedrus** "katran ardıcı", (24), 21.09.2008, ŞK 820.

EPHEDRACEAE/DENİZÜZÜMÜGİLLER (1/1)

Ephedra major Host. subsp. **major** "hum", (13), 18.05.2008, ŞK 297.

PINACEAE/ÇAMGİLLER (3/4)

***Cedrus libani** A.Rich var. **libani** "katranağacı", (29), 21.09.2008, ŞK 813. ***Picea orientalis** (L.) Link."lâdin", (24), 21.09.2008, ŞK 823. ***Pinus nigra** L. subsp. **pallasiana** (Lamb.) Holmboe var. **pallasiana** "karaçam", (12), 13.06.2008, ŞK 377. ***P. sylvestris** L. var. **hamata** Steven "sarıçam", (12), 13.06.2008, ŞK 380.

3. MAGNOLIOPHYTA/KAPALI TOHURLULAR (74/344/835)

4. MAGNOLIOPSIDA/MANOLYA SINIFI (60/289/721)

ACANTHACEAE/AYİPENÇESİGİLLER (1/1)

Acanthus hirsutus Boiss. subsp. **hirsutus** "kıllı ayipençesi", (23), 21.06.2009, ŞK 1602, (End., LR).

AMARANTHACEAE/HOROZİBİĞİGİLLER (4/4)

Amaranthus albus L. "kömüş mancarı", (15), 02.11.2008, ŞK 835. **Chenopodium chenopodioides** (L.) Aellen "kaz sirkeni", (17), 21.09.2008, ŞK 798. **Halimione verrucifera** (M.Bieb.) Aellen "betme" (21), 29.11.2008, ŞK 863. **Noaea mucronata** (Forssk.) Asch. & Schweinf subsp. **mucronata** "hölmezotu", (21), 29.11.2008, ŞK 859.

APIACEAE/MAYDANOZGİLLER (19/35)

Astrodaucus orientalis (L.) Drude, "havyıldız", (29), B.Post 845, (Ir.-Tur.). **Blacunaria microcarpa** (M.Bieb.) Pimenov & V.N.Tikhom "sarunotu", (13), 18.05.2008, ŞK 338. **Bupleurum cappadocicum** Boiss. "peri şeytani", (10), 10.05.2014, ŞK 4688. **B. croceum** Fenzl "çiğdem şeytani", (19), 13.06.2008, ŞK 455, (Ir.-Tur.). **B. eginense** (Wolff) Snogerup "eğün şeytanayağı", (10), 24.05.2014, ŞK 4818, (End., LR). **B. gerardii** All. "çalı şeytani", (10), 24.05.2014, ŞK 4828. **B. heldreichii** Boiss. & Balansa "şeytan tuzu", (32), 06.07.2008, ŞK 544, (Ir.-Tur.), (End., LR). **B. papillosum** DC. "tüylü şeytanayağı", (19), 13.06.2008, ŞK 451, (Ir.-Tur.), (End., VU). **B. sulphureum** Boiss. & Balansa "ters şeytanayağı", (18), 13.06.2008, ŞK 460, (Ir.-Tur.), (End., LR). **Daucus carota** L. "yabani havuç", (7), 19.07.2008, ŞK 722. **Echinophora lamondiana** Yıldız & Bahç. "kaba çördük", (16), B.Yıldız 14000 & Z.Bahçecioğlu, (Ir.-Tur.), (End., EN). **E. tenuifolia** L. var. **sibthorpiana** (Guss.) Tutin "sarıçördük", (21), 29.11.2008, ŞK 858. **Falcaria falcarioides** (Bornm. & H.Wolff) H.Wolff "has orakotu", (19), 13.06.2008, ŞK 438. **Ferula communis** L. subsp. **communis** "atkasnağı", (7), 19.07.2008, ŞK 728. **F. rigidula** Fisch. ex DC. "siyabu", (31), 21.06.2009, ŞK 1634, (Ir.-Tur.). **Ferulago pauciradiata** Boiss. & Heldr. "etekli kişniş", (17), Hub.-Mor. 12026, (Ir.-Tur.), (End., LR). **F. platycarpa** Boiss. & Balansa "celebi kişnişi", (31), 21.06.2009, ŞK 1637, (Ir.-Tur.), (End., LR). **Grammosciadium macrodon** Boiss. "koca kami", (12), 07.05.2013 ŞK 3824. **Laserpitium hispidum** M.Bieb. "saçlı enguban", (19), 13.06.2008, ŞK 435, (Euro.-Sib.). **Malabaila secacul** (Mill.) Boiss.) subsp. **secacul** "davarotu", (25), 13.06.2008, ŞK 476. **Pimpinella cappadocica** Boiss. & Balansa var. **cappadocica** "peri anasonu", (21), 19.07.2008, ŞK 763, (Ir.-Tur.), (End., LR). **P. flabellifolia** (Boiss.) Benth. & Hook. ex Drude "yel anasonu", (25), 06.06.2009, ŞK 1407, (Ir.-Tur.), (End., VU). **P. rhodantha** Boiss. "gül anason", (25), 13.06.2008, ŞK 485. **Prangos meliocarpoides** Boiss. var. **meliocarpoides** "sultanteresi", (2), 10.06.2015, ŞK 6088, (Ir.-Tur.), (End., LR). **P. pabularia** Lindl. "beyik", (13), 06.07.2008, ŞK 638, (Ir.-Tur.). **P. peucedanifolia** Fenzl "kaya çakşırı", (25), 19.05.2009, ŞK 1149, (Ir.-Tur.). **Scandix iberica** M.Bieb. "atkışneşotu", (19), 13.06.2008, ŞK 454. **S. pecten-veneris** L. "zühretarağı", (13), 18.05.2008, ŞK 306. **S. stel-**

lata Banks. & Sol. "dağ kişkişi", (17), 12.05.2008 ŞK 31. **Seseli libanotis** Koch "dağhavucu", (2), 18.05.2008, ŞK 239. **S. tortuosum** L. "horozgözü", (31), 06.07.2008, ŞK 562. **Simyrnium cordifolium** Boiss. "kokarbaldıran", (10), 24.04.2013 ŞK 3668, (Ir.-Tur.). **Torilis leptophylla** (L.) Reich. f. "ince dercikotu", (13), 13.06.2008, ŞK 348. **Turgenia latifolia** (L.) Hoffm. "karaheci", (16), 13.06.2008, ŞK 429. **Zosima absinthifolia** (Vent.) Link "peynirotu", (9), 10.06.2015, ŞK 6093.

APOCYNACEAE/ZAKKUMGİLLER (1/2)

Vincetoxicum canescens (Willd.) Decne. subsp. **canescens** "zilasar", (16), 13.06.2008, ŞK 378. **V. fuscatum** Rchb.f. subsp. **boissieri** (Kusnezov) Burrowicz "gâvur üzerliği", (18), 21.06.2009, ŞK 1480.

ARISTOLOCHACEAE/LOHUSAOTUGİLLER

(1/1)

Aristolochia maurorum L. "kargabardağı", (14), 13.05.2009, ŞK 1096.

ASTERACEAE/PAPATYAGİLLER (47/102)

Achillea arabica Kotschy. "hanzabel", (16), 13.06.2008, ŞK 409. **A. cappadocica** Hausskn. & Bornm. "girtkesen", (1), 13.06.2009, ŞK 515, (Ir.-Tur.), (End., LR). **A. cucullata** Bornm. "tavukkiçi", (24), 21.06.2009, ŞK 1590, (Ir.-Tur.), (End., LR). **A. phrygia** Boiss. & Balansa "özge civanperçemi", (18), D. 21865, (Ir.-Tur.), (End., LR). **A. pseudoalepica** Hausskn. ex Hub.-Mor. "harput perçemi", (4), 06.06.2009, ŞK 1383, (Ir.-Tur.), (End., LR). **A. santolinoides** Lag. subssp. **wilhelmsii** (K.Koch.) Greuter "kardaşkınası", (9), 18.05.2008, ŞK 17, (Ir.-Tur.). **Anthemis aciphylla** Boiss. var. **aciphylla** "İğne papatyası", (17), 12.05.2008, ŞK 58, (E. Medit.), (End., LR). **A. anthemiformis** (Frey & Sint.) Grierson "yayla papatyası", (7), 13.05.2009, ŞK 577, (End., LR). **A. cretica** L. subsp. subsp. **anatolica** (Boiss.) Grierson "horoz papatyası", (31), 13.04.2009, ŞK 928. **A. fumariifolia** Boiss. "çorak papatyası", (13), 06.07.2008, ŞK 577, (Ir.-Tur.), (End., LR). **A. kotschyana** Boiss. var. **discoidea** Grierson "koç papatyası", (21), 29.11.2008, ŞK 862. **A. pauciloba** Boiss. var. **pauciloba** "bol papatya", (22), 06.07.2008, ŞK 603. **Arctium minus** (Hill) Bernh. "löşlek", (7), 10.08.2008, ŞK 783, (Euro.-Sib.). ***Bidens tripartita** L., "uç suketeni" (22), 21.09.2008, ŞK 808. **Carduus nutans** L subsp. **leptophyllus** (Petrovi) Stoj. & Stef. "kerbeş", (12),

- 18.05.2008, ŞK 234. **C. pycnocephalus** L. subsp. **albidus** (M.Bieb.) Kazmî. "eşek soymacı", (12), 18.05.2008, ŞK 204. **Carlina oligocephala** Boiss. & Kotschy subsp. **oligocephala** "domuz dikenini", (4), 21.06.2009, ŞK 1523. **Centaurea aegialophila** Boiss. & Heldr. ex Boiss. "kum deligözü", (24), 21.06.2009, ŞK 1596, (E. Medit.). **C. armena** Boiss. "yer sarıbaşı", (31), 06.07.2008, ŞK 632, (Ir.-Tur.). **C. carduiformis** DC. subsp. **carduiformis** var. **carduiformis** "kavgalaz", (2), 18.05.2008, ŞK 237. **C. carduiformis** DC. subsp. **carduiformis** var. **thrin-ciifolia** (DC.) Wagenitz "kavgalaz", (1), 19.07.2008, ŞK 697. **C. cassia** Boiss subsp. **cassia** "kelseçebaşı", (19) 19.07.2008, ŞK 442, (E. Medit.) (VU). **C. drabifolia** Sibth. & Sm. subsp. **floccosa** (Boiss.) Wagenitz & Grauter "çakıl sarıbaşı", (21), 13.06.2008, ŞK 501. **C. glastifolia** L. "kotankıran", (32), 06.07.2008, ŞK 565, (Ir.-Tur.). **C. iberica** Trev.ex Sprengeln "deligözdikeni", (10), 07.05.2013 ŞK 3901. **C. patula** DC. "salkım düğme", (31), 06.07.2008, ŞK 624, (Ir.-Tur.). **C. pulchella** Ledeb. "gümüşsüpürge", (17), 12.05.2007, ŞK 33. **C. solstitialis** L. subsp. **solstitialis** "çakır dikenini", (1), 19.07.2008, ŞK 700. **C. tomentella** Hand.-Mazz. "sivri kavgalaz", (1), 18.05.2008, ŞK 327, (Ir.-Tur.), (End., LR). **C. urvillei** DC. subsp. **hayekiana** Wagenitz "yozkötürüm", (21), 13.06.2008, ŞK 486. **C. urvillei** DC. subsp. **nimrodii** (Boiss. & Hausskn) Wagenitz "koçkötürüm", (31), 13.05.2009, ŞK 1147, (Ir.-Tur.). **Chardinia orientalis** (L.) Kuntze "çağla otu", (27), 06.06.2009, ŞK 1445, (Ir.-Tur.). **Chondrilla juncea** L. "karakavuk", (13), 06.07.2008, ŞK 649. **Cichorium intybus** L. "hindiba", 19.07.2008, ŞK 721. **Cirsium arvense** (L.) Scop. "köygöçüren", (22), 06.07.2008, ŞK 609. **C. leucocephalum** (Willd.) Spreng. subsp. **leucocephalum** "hamurkesem", (2), 29.11.2008, ŞK 856. **C. libanoticum** DC. subsp. **arachnoideum** P.H.Davis & Paris "öküz kazankulpu", (24), 21.09.2008, ŞK 829, (Ir.-Tur.). **Cnicus benedictus** L. "topdiken", (25), 13.04.2009, ŞK 954. **Cota austriaca** (Jacq.) Sch.Bip. "Bavuçça", (10), 10.05.2014, ŞK 4680. **C. tinctoria** (L.) J.Gay ex Guss. var. **tinctoria** "boyacı papatyası", (13), 18.05.2008, ŞK 322. **C. wiedemanniana** (Fisch. & C.A.Mey) Holub, "babuçça", (12), Sorger 71-42-2. **Cousinia cataonica** Boiss. & Hausskn. "kırkkızan", (21), 13.06.2008, ŞK 487, (Ir.-Tur.), (End., LR). **Crepis foetida** L. subsp. **rhoeadifolia** (M.Bieb.) elak. "sakarkanak", (16), 21.09.2008, ŞK 796. **C. sancta** (L.) Bornm. subsp. **nemausensis** (P.Fourn.) Babç. "yaban kıskısı", (17), 12.05.2008, ŞK 29. **Crupina crupinastrum** (Moris) Vis. "gelindöndüren", (16), 13.06.2008 ŞK 363. **C. vulgaris** Cass. "kır gelindöndüreni", (10), 07.05.2013 ŞK 3908. **Cyanus depressus** (M.Bieb.) Soják "gökbaş", (12), 18.05.2008, ŞK 201. **C. pichleri** (Boiss.) Holub subsp. **pichleri** "düğmeli ot", (18), 03.05.2009, ŞK 1009. **Echinops adenocaulos** Boiss. "şeytan değirmeni", (13), 06.07.2008, C.Vural 4379, (Ir.-Tur.). **E. chardinii** Boiss. "kelle dikenini", (20), 05.08.2007, C.Vural 4380, (Ir.-Tur.). **E. pungens** Trautv. var. **pungens** "bongıl", (28), 13.06.2008 ŞK 507, (Ir.-Tur.). **E. spinosissimus** Turra subsp. **spinosissimus** "eşekköftesi", (1), 19.07.2008, ŞK 702. **Erigeron acris** L. subsp. **acris** "mavi şifaotu", (13), 06.07.2008, ŞK, 674. **Flago arvensis** L. "keçeotu", 45, 06.06.2009, ŞK 1426. **Gundelia tournefortii** L. var. **tournefortii** "kenger", (10), 18.05.2006, ŞK 273. ***Helianthus annuus** L. "ayçiçeği", (17), 21.09.2008, ŞK 791. **Helichrysum arenarium** (L.) Moench subsp. **aucherii** (Boiss.) P.H.Davis & Kupicha "yayla gülü", (24), 21.06.2009, ŞK 1588, (Ir.-Tur.), (End., LR). **H. arenarium** (L.) Moench subsp. **rubicundum** (C.Koch) P.H.Davis & Kupicha "yayla gülü", (25), 13.06.2008, ŞK 483. **H. chionophilum** Boiss. & Balansa, "yayla hencecaliği", (24), 06.06.2009, ŞK 1588, (End., LR). **H. noeanum** Boiss. "gülüzar", (9), 21.06.2009, ŞK 1516, (Ir.-Tur.), (End., LR). **H. pallasii** (Spreng.) Ledeb. "kocamançiçeği", (13), 06.12.2008, ŞK 875, (Ir.-Tur.). **H. plicatum** DC. subsp. **plicatum** "mantuvar", (13), 06.07.2008, ŞK 642. **Hypochoeris radicata** L. "dağmarulu", (33), 13.05.2009, ŞK 1068, (Euro.-Sib.). **Inula germanica** L. "ekin andızotu", (7), 19.07.2008, ŞK 725, (Euro.-Sib.). **Jurinea consanguinea** DC. "geyikgöbeği", (13), 18.05.2008, ŞK 318. **Klasea bornmuelleri** (Azn.) Greuter & Wagenitz "yitik topbaş", (9), 03.05.2009, ŞK 1011, (Ir.-Tur.), (End., EN A4a;C1). **K. oligocephala** (DC.) Greuter & Wagenitz "saplı topbaş", (10), 24.05.2014, ŞK 5052, (Ir.-Tur.), (End., LR). **Lactuca serriola** L. "eşekhelvası", (7), 19.07.2008, ŞK 724, (Euro.-Sib.). **L. tuberosa** Jacq. "topar marul", (16), 3.06.2008, ŞK 364. **Leontodon asperimus** (Willd.) Endl. "aşyemliği", (16), 13.06.2008, ŞK 374, (Ir.-Tur.). **L. crispus** Vill. subsp. **asper** (Waldst. & Kit.) Röhl. var. **asper** "aslandişi", (16), 13.06.2008, ŞK 418. **L. oxylepis** Boiss. & Heldr. "bayır aslandişi", (21), 13.06.2008, ŞK 495, (Ir.-Tur.), (End., LR). **Onopordum polycephalum** Boiss. "beyaz kangal", (12),

Sorger 7148, (Ir.-Tur.), (End., LR). **Picnomon acar-na** (L.) Cass. "kılçıkdikeni", (7), 19.07.2008, ŞK 716. **Picris kotschyi** Boiss. "arap şirosu", (19), 13.06.2008, ŞK 457. **Pilosella cymosa** (L.) F.W.Schultz & Sch.Bip. "sülün tırnakotu", (13), 06.07.2008, ŞK 644. **Psephellus brevifimbriatus** (Hub.-Mor.) Wagenitz. "has tülübaş", (10), 28.05.2009, ŞK 1195, (Ir.-Tur.), (End., CR B1ab(v)). **Ptilostemon afer** (Jacq.) Greuter subsp. **eburneus** Greuter "has bozlanotu", (23), 06.07.2008, ŞK 566, (End., LR). **Pulicaria dysenterica** (L.) Bernh. subsp. **dysenterica** "yaraotu", (1), 19.07.2008, ŞK 776. **Rhaponticum repens** (L.) Hidalgo "kekrekedikeni", (1), 06.07.2008, ŞK 696, (Ir.-Tur.). **Scorzonera cana** (C.A.Mey.) Grieb. var. **cana** "tekesakalı", (10), 24.04.2013 ŞK 3706. **S. hieraciifolia** Hayek "cıbil tekesakalı", (7), 13.05.2009, ŞK 1033, (Ir.-Tur.), (End., LR). **S. incisa** DC. "kanık", (11), 12.05.2007, ŞK 92, (Ir.-Tur.). **S. pseudolanata** Grossh. "keçimemesi", (31), 13.04.2009, ŞK 937, (Ir.-Tur.). **S. suberosa** K.Koch subsp. **suberosa** "çalık", (17), 12.05.2008, ŞK 42, (Ir.-Tur.). **S. tomentosa** L. "alabent", (32), 06.07.2008, ŞK 539, (Ir.-Tur.), (End., LR). **Senecio cilicius** Boiss. "ak kanaryaotu", (7), 19.07.2008, ŞK 719, (Ir.-Tur.), (End., LR). **S. mollis** Willd. "su kanaryaotu", (31), 06.07.2008, ŞK 626, (Ir.-Tur.). **S. vernalis** Waldst & Kit. "kanaryaotu", (19), 13.06.2008, ŞK 456. **Solidago virgaurea** L. subsp. **virgaurea** "altınbaşak çiçeği", (31), 21.06.2009, ŞK 162, (Euro.-Sib.). **Sonchus asper** (L.) Hill subsp. **asper** "eşekgevreği", (7), 19.07.2008, ŞK 717. **Tanacetum densum** (Lab.) Schultz Bip. subsp. **sivasicum** "kırk pireotu", (27), ŞK 1451, (Ir.-Tur.), (End., VU). **Taraxacum microcephaloides** Soest "ebemçitliği", (13), 06.12.2008, ŞK 873, (Ir.-Tur.), (End., LR). **T. reverens** G.E.Haglund "çaşır", (24), 21.09.2008, ŞK 821, (Ir.-Tur.), (End., LR). **T. rupicolum** Yıldırım, "çitliğ", (12), 10.09.2009, H.Yıldırım 2207, (End. DD). **T. scaturiginosum** G.E.Haglund "kivirkivir", (8), 18.05.2008 ŞK 268. **Tragopogon coloratus** C.A.Mey. "katır yemliği", (19), 13.06.2008, ŞK 450, (Ir.-Tur.). **T. dubium** Scop. "at yemliği", (8), 18.05.2008, ŞK 251. **T. porrifolius** L. subsp. **longirostris** (Sch.Bip.) Greuter "helevan", (8), 18.05.2008, ŞK 267. **T. pterocarpus** DC. "boz yemlik", (31), 19.05.2009, ŞK 1142, (Ir.-Tur.). **Tripleurospermum caucasicum** (Willd.) Hayek "akbabaotu", (10), 24.04.2013 ŞK 3658. **T. decipiens** (Fisch. & C.A.Mey.) Bornm. "sarı papatya", (8),

16.04.2008, ŞK 145. **T. sevanense** (Menden.) Po-bed. "hanım gödesi", (10), 24.04.2013 ŞK 3660. **Xanthium strumarium** L. subsp. **strumarium** "koca pıtrak", (7), 10.08.2008, ŞK 788. **Xeranthemum anuum** L. "kağıtçiçeği", (13), 06.07.2008, ŞK 685.

BERBERIDACEAE/KARAMUKGİLLER (1/1)

Berberis crataegina DC. "karamuk", (9), 03.05.2009, ŞK 1022.

BORAGINACEAE/HODANGİLLER (21/49)

Alkana orientalis (L.) Boiss. var. **orientalis** "sarı sormuk", (12), 03.05.2013 ŞK 3840, (Ir.-Tur.). **Anchusa azurea** Mill. var. **azurea** "sığırdili", (30), 06.07.2008, ŞK 550. **A. strigosa** Banks & Sol. "gelezan", (7), 03.05.2009, ŞK 990. **Arnebia decumbens** (Vent.) Coss. & Kralik "eğnik", (10), 24.05.2014, ŞK 4836, (Ir.-Tur.). **Asperugo procumbens** L. "nevazilotu", (11), 13.04.2009, ŞK 902, (Euro.-Sib.). **Buglossoides arvensis** (L.) I.M.Johnst. subsp. **sibthorpiana** (Griseb.) R.Fern. "tarla taşkeseni", (10), 24.04.2013 ŞK 3658. **B. incrassata** (Guss.) I.M.Johnst. "tok taşkesen", (10), 24.04.2013 ŞK 3710, (Medit.). **B. tenuiflora** (L.f.) I.M.Johnst. "ince taşkesen", (2), 13.05.2008, ŞK 1052. **Cerithe minor** L. subsp. **auriculata** (Ten.) Domac "livarotu", (13), 18.05.2008, ŞK 312. **Cynoglossum montanum** L. "dağ köpek dili", (10), 28.05.2008, ŞK 1252. **Echium glomeratum** Poir. "gül sığırdili", (16), 03.06.2008, ŞK 375, (E. Medit.). **E. italicum** L. "kurtkuyruğu", (1), 19.07.2008, ŞK 698, (E. Medit.). **Heliotropium bovei** Boiss. "gelifesi", (19), 21.09.2008, ŞK 800, (E. Medit.). **H. circinatum** Griseb. "deli bambulotu", (26), McNeill 433, (Ir.-Tur.). **H. dolosum** De Not. "bambulotu", (13), 06.07.2008, ŞK 680. **Heterocaryum rigidum** A.DC. "diri gürke", (25) 19.05.2009, ŞK 1151, (Ir.-Tur.). **Huynhia pulchra** (Roen. & Schult.) Greuter & Burdet "güzel eğnik", (13), 16.04.2008, ŞK 130, (Euro.-Sib.). **Lappula barbata** (M.Bieb.) Gürke "gürke", (24), 22.06.2009, ŞK 1579, (Ir.-Tur.). **L. patula** (Lehm.) Asch. ex Gürke "boz gürke", (25), 23.04.2009, ŞK 956. **L. squarrosa** (Retz.) Dumort "sülün gürke", (25), 13.06.2008, ŞK 474. **Lithospermum arvense** L. "taşkesen", (28), 13.06.2008, ŞK 469, (Euro.-Sib.). **Macrotomia densiflora** (Ledeb.) McBride "koca eğnik", (21), 19.07.2008, ŞK 764, (Ir.-Tur.). **Moltkia coerulea** (Willd.) Lehm. "mavi kesen", (21), ŞK 496, (Ir.-Tur.). **Myosotis**

lithospermifolia Hornem, "taş boncukotu", (2), 12.05.2007. ŞK 48. ***M. minutiflora*** Boiss. & Reut. "minik boncukotu", (23), Sorger 71-49-13, (Medit.). ***Neatostema apulum*** I.M.Johnst. "saritaşkesen", (13), 13.05.2008, ŞK 1037, (Medit.). ***Nonea anchusoides*** Boiss & Bushe "boz sormuk", (12), 18.05.2008, ŞK 202, (Ir.-Tur.). ***N. caspica*** G.Don "bahar sormuğu", (2), 12.05.2007. ŞK 46. (Ir.-Tur.). ***N. melanocarpa*** Boiss. "gelin sormuğu", (23), 28.05.2009, ŞK 132, (Ir.-Tur.). ***N. stenosolen*** Boiss & Balansa "sormuk otu", (10), 24.04.2013 ŞK 3717, (Ir.-Tur.), (End., LR). ***Onosma albo-rosea*** Fisch & C.A.Mey subsp. ***alborosea*** var. ***alborosea*** "kaya emceği", (18), 03.05.2009, ŞK 1003. ***O. argentata*** Hub.-Mor. "gümüüş emcek", (31), 19.05.2009, ŞK 1135, (Ir.-Tur.), (End., VU). ***O. auriculata*** DC. "altın damlası" (29), B.Post 849, (Ir.-Tur.). ***O. bornmuelleri*** Hausskn. & Bornm. "Amasya şincarı", (10), 18.05.2008, ŞK 271, (Ir.-Tur.), (End., EN). ***O. briquetii*** Czechtz. "yıldız emziği", (10), 28.05.2009, ŞK 1233, (Ir.-Tur.), (End., LR). ***O. caeurelescens*** Boiss. "şincar", (19), 13.05.2009, ŞK 1083, (Ir.-Tur.). ***O. decorticans*** Riedl. "göreme emceği", (31), 21.06.2009, ŞK 1605, (VU). ***O. lycaonica*** Hub.-Mor. "Konya emceği", (12), 03.05.2013 ŞK 3838, (Ir.-Tur.), (End., LR). ***O. mollis*** DC. "divanköşk", (19), 13.05.2009, ŞK 1083, (Ir.-Tur.). ***O. roussaei*** DC. "yamaç emceği", (27), 06.06.2009, ŞK 1446, (Ir.-Tur.). ***O. sericeum*** Willd. "kâğıt emcek", (16), 13.06.2008, ŞK 357, (Ir.-Tur.). ***O. sorgerae*** Teppner var. ***sorgerae*** "nemrut çiçeği" (24), 26.06.1971, Sorger 71-50-11, (Ir.-Tur.), (End., EN). ***O. sorgerae*** Teppner var. ***subglabriflorum*** Teppner "nemrut çiçeği", (12), 03.05.2013 Ş.K. 3845, (Ir.-Tur.), (End., LR). ***O. stenoloba*** Hausskn. ex Riedl "Tosya emceği", (12), 03.05.2013 ŞK 3844, (Ir.-Tur.), (End., LR). ***O. tauricum*** Willd var. ***taurica*** "emzikotu", (10), 28.05.2009, ŞK 1133. ***Paracaryum cappadocicum*** Boiss & Bal. "peri çarşağı", (26), 23.04.2009, ŞK 919, (Ir.-Tur.), (End., LR). ***P. cristatum*** (Schreb.) Boiss. subsp. ***cristatum*** "ana çarşakotu", (13), 18.05.2008, ŞK 337. (Ir.-Tur.), (End., LR). ***P. strictum*** (K.Koch) Boiss. "meşe çarşakotu", (8), 18.05.2008, ŞK 261, (Ir.-Tur.). ***Rinderia caespitosa*** (A.DC.) Bunge "hoş gelin", (10), 03.05.2009, ŞK 1021, (Ir.-Tur.), (End., LR).

BRASSICACEAE/TURPGİLLER (34/78)

Aethionema arabicum (L.) Andr. ex DC. "arap taşçantası", (31), 23.04.2009, ŞK 972. ***A. arme-***

num Boiss. "taş çantası", (25), 13.06.2008, ŞK 482, (Ir.-Tur.). ***A. capitatum*** Boiss. & Balansa "başmürselotu", (10), 24.04.2013 ŞK 3718. ***A. carneum*** (Banks & Sol.) B.Fedtsch. "al kayagülü", (11), 13.04.2009, ŞK 899, (Ir.-Tur.). ***A. grandiflorum*** Boiss. & Hohen. var. ***grandiflorum*** "koca kayagülü", (12), 07.05.2013 ŞK 3869. ***A. iberideum*** (Boiss.) Boiss. "ak kayagülü", (25), 28.05.2009, ŞK 1385. ***A. lepidioides*** Hub.-Mor. "tere kayagülü", (26), D. 21886, (Ir.-Tur.), (End., EN). ***A. membranaceum*** (Desv.) DC. "etekli kayagülü", (18), 13.05.2009, ŞK 1365. ***A. oppositifolium*** (Pers.) Hedge "bodur kayagülü", (1), 16.04.2008, ŞK 124. ***Alyssum anatolicum*** Hausskn. ex Nyár. "ana kuduzotu", (29), Post 1906: 292, (Ir.-Tur.), (End., VU). ***A. aureum*** (Fenzl) Boiss. "altın kuduzotu", (18), 12.05.2007, ŞK 39. ***A. bornmuelleri*** Hausskn. ex Degen "seyyah kevkesi", (10), 24.04.2013 ŞK 3713, (Ir.-Tur.), (End., VU). ***A. condensatum*** Boiss. & Hausskn. subsp. ***condensatum*** "kuduzotu", (23), 28.05.2009, ŞK 1333. ***A. dasycarpum*** Stephan ex Willd. "boz kuduzotu", (11), 30.03.2008 ŞK 98. ***A. desertorum*** Stapf. "dumanotu", (11), 30.03.2008, ŞK 97. ***A. filiforme*** Nyár. "telli kevke", (21), 13.06.2008, ŞK 491, (Ir.-Tur.), (End., LR). ***A. haussknechtii*** Boiss. "Maraş kevkesi", (29), Post 1906:292, (End., CR). ***A. lepidoto-stellatum*** (Hausskn & Bornm.) T.R.Dudley "yıldız kevkesi", (17), D 21861, (Ir.-Tur.), (End., LR). ***A. linifolium*** Stephan ex Willd. var. ***teheranicum*** Bornm. "çıplak kuzuotu", (1), 16.04.2008, ŞK 115. ***A. simplex*** Rudolph "sade kuduzotu" (19), 13.05.2009, ŞK 1028. ***A. praecox*** Boiss. & Balansa "güzel kuduzotu", (19), 13.05.2009, ŞK 1077, (End., LR). ***A. stapfii*** Vierh. "acem kuduzotu", (10), 24.04.2013 ŞK 3654, (Ir.-Tur.). ***A. strigosum*** Banks & Sol. subsp. ***strigosum*** "dökük kuduzotu", (10), 10.05.2014, ŞK 4697. ***A. sulphureum*** T.R.Dudley & Hub.-Mor. "acı kuduzotu", (16), 13.06.2008, ŞK 430, (Ir.-Tur.). ***A. szovitsianum*** Fisch. & C.A.Mey. "çar kuduzotu", (17), 12.05.2007, ŞK 47. ***A. xanthocarpum*** Boiss. "dalsız kevke", (25), 28.05.2009, ŞK 1319. ***Arabis alpina*** L. subsp. ***alpina*** "kazteresi", (24), 03.05.2009, ŞK 993. ***A. aucheri*** Boiss. "cılız tere", (10), 07.05.2013 ŞK 3918. ***A. nova*** Vill. "tıfıl kazteresi", (30), 13.04.2009, ŞK 968. ***Aubrieta canescens*** (Boiss.) Bornm. var. ***canescens*** "obrizya", (18), 03.05.2009, ŞK 1008, (End., LR). ***Barbarea brachycarpa*** Boiss. subsp. ***minor*** (K.Koch) Parolly & Eren var. ***minor*** "nicarcık", (10), 24.04.2013 ŞK 3728, (Ir.-Tur.). ***Boreava orientalis*** Jaub. & Spach

"sariot", (9), 16.04.2008, ŞK 174. **Brassica deflexa** Boiss. "sarkık lahana", (10), 28.05.2009, ŞK 1209, (Ir.-Tur.) (VU). **B. elongata** Ehrh. "uzun şalgam", (32), 06.07.2008, ŞK 529. **Camelina hispida** Boiss. var. **hispida** "kılıllı ketentere", (31), 13.04.2009, ŞK 942. **C. microcarpa** Andr. "tarla ketenteresi", (25), 28.05.2009, ŞK 1311. **C. rumelica** Velen. "ketentere", (17), 12.05.2007, ŞK 63. **Capsella bursa-pastoris** (L.) Medik. "çobançantası", (1), 30.03.2008, ŞK 88. **Chorispora purpurascens** (Boiss. & Sol.) Eig "ala külünk", (1), 30.03.2008, ŞK 94. **C. tenella** (Pall.) DC. "kokar külünk", (22), 16.04.2008, ŞK 153. **Clypeola jonthlapsi** L. "akçeo-tu", (17), 12.05.2007, ŞK 49. **Conringia orientalis** (L.) Dumort. "kocatelkari", (17), 12.05.2007, ŞK 57. **C. planisiliqua** Fisch. & C.A.Mey. "telkariotu", (12), 16.04.2008, ŞK 200, (Ir.-Tur.). **Descurainia sophia** (L.) Webb ex Prantl. subsp. **sophia** "sadirotu", (6), 16.04.2008, ŞK 168. **Draba bruniifolia** Steven subsp. **bruniifolia** var. **bruniifolia** "kaya dolaması", (7), 16.04.2008, ŞK 121. **D. heterocoma** Fenzl "tüylü dolama", (21), 30.03.2008, ŞK 111. **D. verna** L. "çırçırotu", (31), 13.04.2009, ŞK 940, (Ir.-Tur.). **Eruca vesicaria** (L.) Cav. "roka", (1), 03.05.2009, ŞK 1084. **Erysimum crassipes** Fisch. & C.A.Mey. "zarifeotu", (25), 13.06.08 ŞK 470. **E. echinellum** Hand.-Mazz. "siğilli zarife", (21), 19.07.2008, ŞK 757, (Ir.-Tur.), (End., EN). **E. pycnophyllum** J.Gay "yamaç zarifesi", (19), 03.05.2009, ŞK 1029, (Ir.-Tur.). **Euclidium syriacum** (L.) Aiton "fındık hardalı", (14), 30.03.2008, ŞK 103. **Fibigia suffruticus** (Vent.) Sweet "mor sikkeotu", (18), 21.06.2009, ŞK 1501. **Hesperis bicuspidata** (Wild.) Poir. "gecemenekşesi", (13), 18.05.2008, ŞK 320, (Ir.-Tur.), (End., EN). **H. syriaca** (DC.) Dvorak "arapıtı", (25), 28.05.2009, ŞK 1298. (E.Medit), (End., VU). **H. pendula** DC. subsp. **pendula** "dینگildek", (7), 03.05.2009, ŞK 984. **Iberis carica** Bornm. "kayakbeğendi", (12), 18.05.2008, ŞK 199, (E.Medit.) (End., LR). **I. simplex** DC. "civanotu", (32), 06.07.2008, ŞK 519. **Isatis aucheri** Boiss. "pos çiviotu", (13), 18.05.2008. ŞK 315, (Ir. Tur.) (End., LR). **I. glauca** Aucher ex Boiss. subsp. **glauca** "soğutot", (1), 19.07.2008, ŞK 772. **I. undulata** Aucher ex Boiss. "etekli çiviotu", (31), 19.05.2009, ŞK 1134, (Ir. Tur.) (End., EN). **Lepidium draba** L. "diğnik", (12), 16.04.2008, ŞK 193. **L. perfoliatum** L., (6), 16.04.2008, ŞK 169. **Maresia nana** (DC.) Batt. "yanalot" (6), 16.04.2008, ŞK 171. **Matthiola longipetala** (Vent.) DC. subsp. **longipetala** "gece-

gündüz çiçeği", (9), 28.05.2009, ŞK 1172. **M. longipetala** (Vent.) DC. subsp. **bicornis** (Sibth. & Sm.) P.W.Ball "boynuzlu şebboy", (10), 28.05.2009, ŞK 1197. **M. ovatifolia** (Boiss.) Boiss. "takkeli şebboy" (10), 07.05.2013 ŞK 3916, (Ir.-Tur.), (VU). **Microthlapsi perfoliatum** (L.) F.K.Mey. "giyle", (1), 30.03.2008, ŞK 95. **Nasturtium officinale** R.Br. "suteresi", (12), 07.05.2013 ŞK 3874. **Neslia paniculata** (L.) Desv. subsp. **thracica** (Velen.) Bornm. "göçmen hardalı", (4), 24.04.2013 ŞK 3678. **Neotolaria torulosa** (Desf.) Hedge & J. Léonard "yeni bülbülotu", (9), 03.05.2009, ŞK 1020. **N. paniculata** (L.) Desv. subsp. **thracica** (Velen.) Bornm. "göçmen hardalı" (3), 24.04.2013 ŞK 3678. **Rapistrum rugosum** (L.) All. "kedi turpu", (12), 18.05.2008, ŞK 211. **Sisymbrium altissimum** L. "ergelenotu" (1), 24.05.2014, ŞK 4868. **S. loselii** L. "bülbülotu", (22), 21.09.2008, ŞK 811. **Sterigmostemum incanum** M. Bieb. "boz süsün", (10), 28.05.2009, ŞK 1199, (Ir.-Tur.). **Strigosella africana** (L.) Botsch. "keçe teresi", (20), 18.05.2008, ŞK 87. **Tchihatc-hewia isatidea** Boiss. "alligelin", (2), 18.05.2008, ŞK 236, (Ir.-Tur.), (End., VU). **Zuvanda crenulata** (DC.) Askerova "davar teresi", (7), 03.05.2009, ŞK 988, (Ir.-Tur.).

CAMPANULACEAE/ÇANÇİÇEĞİGİLLER (3/10)

Asyneuma amplexicaule (Willd.) Hand-Mazz. var. **angustifolium** (Boiss.) Bornm. "hoş değnek", (32), 06.07.2008, ŞK 532, (Ir.-Tur.). **A. eximium** Rech.f. "düldüldeğneği", (25), 06.06..2009, ŞK 1416, (E. Medit.), (End., LR). **A. limonifolium** (L.) Janehen subsp. **limonifolium** "tavşan ekmeği", (18), ŞK 1491. **A. limonifolium** (L.) Janehen subsp. **pestalozzae** (Boiss.) Damboldt "tavşankatığı", (32), 06.07.2008, ŞK 527, (End., LR). **A. linifolium** (Boiss. & Heldr.) Bornm. subsp. **linifolium** "ketendeğneği", (23), 06.07.2008, ŞK 568, (E. Medit.), (End., LR). **A. lobelioides** (Wild.) Hand-Mazz. "bozkırdeğneği", (19), 13.06.2008, ŞK 446, (Ir.-Tur.). **Campanula propinqua** Fisch. & C.A.Mey. "kum çanı", (12), 16.06.2012, ŞK 2269. **C. rapunculoides** L. "elmacık", (9), 02.11.2008, ŞK 847. **C. sclerotracha** Boiss. "dere çingırağı", (13), 06.07.2008, ŞK 641, (Ir.-Tur.). **Legousia falcata** (Ten.) Fritsch ex Janch "eğri kadınaynası", (10), 24.05.2014, ŞK 4827, (Medit.). **L. speculum-veneris** (L.) Durande ex Vill. "hoş kadınaynası", (10), 07.05.2013 ŞK 3886, (Medit.).

CANNABACEAE/KENEVİRGİLLER (1/1)

Celtis planchoniana K.I.Chr. "dahum", (3), 28.05.2009, ŞK 1272.

CAPRIFOLIACEAE/HANİMELİGİLLER (8/21)

Centranthus longiflorus Steven subsp. **longiflorus** "mahmuz çiçeği", (13), 06.07.2008, ŞK 692, (Ir.-Tur.). **Cephalaria syriaca** (L.) Schrad. "pelemir", (16), 13.06.2008, ŞK 371. **Knautia involucrata** Sommier & Levier "deli eşekkulağı", (31), 21.06.2009, ŞK 1626. **Morina persica** L. var. **persica** "merdivençiçeği", (16), 13.06.2008, ŞK 371, (Ir.-Tur.). **Pteroccephalus pinardi** Boiss. "yurt cücükotu", (13), 18.05.2008, ŞK 294, (E.Medit.), (End., LR). **Scabiosa argentea** L. "yazı süpürgesi", (16), 13.06.2008, ŞK 399. **S. calocephala** Boiss. "çayır uyuzotu", (23), 21.06.2009, ŞK 1550, (Ir.-Tur.). **S. persica** Boiss. "acem zivani", (10), 07.05.2013 ŞK 3909, (Ir.-Tur.). **S. pseudogrominifolia** Hub.-Mor. "çimen uyuzotu", (24), 21.06.2009, ŞK 1592, (Ir.-Tur.), (End., LR). **S. rotata** M.Bieb. "top uyuzotu", (13), 18.05.2008, ŞK 342, (Ir.-Tur.). **Valeriana dioscoridis** Sm. "çoban zurnası", (18), 03.05.2009, ŞK 1001, (E. Medit.). **V. sisymbriifolia** Vahl. "ipar kediotu", (17), 12.05.2007, ŞK 25. **Valerianella carinata** Loisel "sandal kuzugevreyi", (25), 28.05.2009, ŞK 1292. **V. coronata** (L.) DC. "taçlı kuzugevreyi", (10), 24.05.2014, ŞK 4823. **V. cymbicarpa** C.A.Mey. "azer kuzugevreyi", (2), 12.05.2007, ŞK 56, (Ir.-Tur.). **V. dufresnia** Bunge ex Boiss. "acı kuzugevreyi", (10), 24.04.2013 ŞK 3708. **V. kotschyi** Boiss. "tarla kuzugevreyi", (7), 28.05.2009, ŞK 1167. **V. locusta** (L.) Laterr. "nazlı kuzugevreyi", (7), 03.05.2009, ŞK 985, (Euro.-Sib.). **V. oxyrhyncha** Fisch. & C.A.Mey. "dik kuzugevreyi", (10), 24.04.2013 ŞK 3655, (Ir.-Tur.). **V. pumila** (L.) DC. "bağ kuzugevreyi", (18), 23.04.2009, ŞK 914. **V. vesicaria** (L.) Moench "kuzu gevreyi", (13), 18.05.2008, ŞK 351.

CARYOPHYLLACEAE/KARANFİLGİLLER

(14/51)

Acanthophyllum oppositiflorum Aytaç "has takacak", (18), 20.07.1996, Aytaç 7476, (Ir.-Tur), (End., EN). **Arenaria macrosepala** Boiss. "toptüyotu", (18), 19.05.2009, ŞK 1117, (End., LR). **A. sivasica** Kit Tan & Sorger "sivas kumotu", (24), 09.09.1977, Sorger 77-107-2, (Ir.-Tur.), (End., EN). **Bufonia virgata** Boiss. "tel hatunotu", (29), 1906, Post 104.

Cerastium chlorifolium Fisch. & C.A.Mey. "parlak boynuzotu", (31), 19.05.2009, ŞK 1127. **C. dichotomum** L. subsp. **dichotomum** "çatal boynuzotu", (13), 18.05.2008 ŞK 307. **C. dichotomum** L. subsp. **inflatum** (Link) Cullen "patlak boynuzotu", (25), 19.05.2009, ŞK 1159. **C. dubium** (Bastard) O.Schwarz "mızrak boynuzotu", (13), 18.05.2008, ŞK 325. **C. gracile** Dufour "küçük boynuzotu", (7), 03.05.2009, ŞK 982. **C. perfoliatum** L. "ekin boynuzotu", (7), 16.04.2008, ŞK179. **Dianthus crinitus** Sm. var. **crinitus** "uzun çanak", (25), 06.06.2009, ŞK 1402. **D. micranthus** Boiss. & Heldr. "kır karanfili", (21), 19.07.2008, ŞK 758. **D. orientalis** Adams "yar karanfili", (10), 28.05.2009, ŞK 1249. **D. strictus** Banks & Sol. var. **gracilior** (Boiss.) Re- eve "dimisok", (32), 06.06.2009, ŞK. 1470. **D. zederbaueri** Vierh. "er karanfil", (24), 21.06.2009, ŞK 1599. **D. zonatus** Fenzl var. **aristatus** (Boiss.) Reeve "kaya karanfili", (31), 06.07.2008, ŞK 634, (Ir.-Tur.). **Eremogone ledeboriana** (Fenzl) Ikonn. "iğne kumotu", (23), 28.05.2009, ŞK 1349, (End., LR). **Gypsophila leucochlaena** Hub.-Mor. "daren- de çöveni" (9), Hub.-Mor. 12649, (Ir.-Tur.), (End., EN). **G. perfoliata** L. var. **perfoliata** "helvacı çöveni", (3), 28.05.2009, ŞK 1188. **G. pilosa** Hudson "tarla çöveni", (16), 13.06.2008, ŞK 396. **G. pinifolia** Boiss. & Hausskn. "hıskıdım", (10), 24.05.1014, ŞK 4828, (Ir.-Tur.), (End., VU). **G. ruscifolia** Boiss. "acem çöveni", (9), 28.05.2009, ŞK 1188, (Ir.-Tur.). **G. viscosa** Murr. "sadırılı çöven", (1), 13.06.2008, ŞK 513, (Ir.-Tur.). **Herniaria glabra** L. "atyanan", (32), 06.06.2009, ŞK 1469. **H. incana** Lam. "kabayan", (10), 24.05.2014, ŞK 5058. **Holosteum tenerimum** Boiss. "kaşıkıran", (11), 12.05.2007, ŞK 95. **H. umbellatum** L. var. **umbellatum** "şeytan küpesi", (1), 30.03.2008, ŞK 116. **H. umbellatum** L. var. **glutinosum** (M.Bieb.) Gay "şeytan küpesi", (7), 16.04.2008, ŞK 55. **Minuartia corymbulosa** (Boiss. & Balansa) McNeill var. **gypsophiloides** McNeill "kırk tıstısı", (19), 13.06.2008, ŞK 440, (Ir.-Tur.), (End., EN B2ab(v)). **M. glandulosa** (Boiss. & A.Het) Bornm. "sadırılı tıstısı", (10), 24.04.2013 ŞK 3726, (Ir.-Tur.), (End., LR). **M. juniperina** (L.) Maire & Petitm. "hanım şiltesi", (19), 13.06.2008, ŞK 444. **M. meyeri** (Boiss.) Bornm. "koza tıstısı", (25), 06.06.2009, ŞK 1423, (Ir.-Tur.). **M. rimarum** (Boiss. & Balansa) Mattf. var. **multiflora** McNeill "yer tıstısı", (31), 23.04.2009, ŞK 933, (Ir.-Tur.), (End., VU). **Paronychia argyroloba** Stapf. "taş kepekotu", (23), 06.07.2008, ŞK 571, (End., LR).

P. cataonica Chaudhri "gürün etyararı", (21), 19.07.2008, ŞK 769, (End., VU B2ab(ii)). **P. euphratica** (Chaudhri) Chaudhri "fırat etyararı", (4), 21.06.2009, ŞK 1529, (Ir.-Tur.), (End., LR). **P. kurdica** Boiss. subsp. **hausknechtii** Chaudhri "kepekotu" (10), 24.05.2014, ŞK 5034, (End., LR). **P. kurdica** Boiss. subsp. **kurdica** var. **kurdica** "boz kepekotu", (21), 19.07.2008, ŞK 768. **Saponaria prostrata** Willd. subsp. **anatolica** Hedge. "ana sabunotu", (23), 06.07.2008, ŞK 617, (Ir.-Tur.), (End., LR). **S. prostrata** Willd. subsp. **prostrata** "ebemterliği", (9), 18.05.2008, ŞK 277, (Ir.-Tur.), (End., LR). **S. tridentata** Boiss. "üşmen", (9), 06.06.2009, ŞK 1368, (Ir.-Tur.). **Silene argentea** Ledeb "boz nakıl", (25), 21.06.2009, ŞK 1644, (Ir.-Tur.). **S. armena** Boiss. var. **armena** "çiğıştak", (21), 19.07.2008, ŞK 770, (End., LR). **S. chlorifolia** Sm. "puşkullu", (27), Hub.-Mor. 14917, (Ir.-Tur.). **S. dichotoma** Ehrh. subsp. **dichotoma** "çatal nakıl", (10), 24.04.2013 ŞK 3696. **S. longipetala** Vent. "ballı süpürge", (13), 18.05.2008, ŞK 308. **S. macrorodonta** Boiss. "deve nakılı", (10), 28.05.2009, ŞK 1242. **S. montbretiana** Boiss. "Fay nakılı", (30), 19.05.2009, ŞK 1123, (Ir.-Tur.). **S. muradica** Schischk. "Malazgirt nakılı", (13), 18.05.2008, ŞK 334, (Ir.-Tur.), (End., LR). **S. odontopetala** Fenzl "kunduzotu", (13), 18.05.2008, ŞK 309. **S. pungens** Boiss. "yastık nakılı", (10), 10.05.2014, ŞK 4716, (Ir.-Tur.). **S. spergulifolia** (Desf.) M.Bieb. "ana nakılı", (31), 21.06.2009, ŞK 1611. **S. stenobotrys** Boiss. & Hausskn. "Maraş nakılı", (19), 13.06.2008, ŞK 437, (Ir.-Tur.). **S. supina** M.Bieb. subsp. **pruinosa** (Boiss.) Chowdhuri "fırat nakılı", (23), 21.06.2009, ŞK 1566. **Stellaria media** (L.) Vill. "kuşotu", (26), 23.04.2009. ŞK 921.

CISTACEAE/LADENGİLLER (2/8)

Fumana aciphylla Boiss. "kır güneşotu", (18), D. 21947, (Ir.-Tur.). **F. procumbens** (Dunal) Gren. & Godr. "yer güneşotu", (10), 24.05.2014, ŞK 4813. **F. trisperma** Hub.-Mor. & Reese "üç güneşotu", (16), 13.06.2008, ŞK 379, (Ir.-Tur.), (End., EN). **Helianthemum germanicopolitanum** Bornm. "özge güngülü", (32), 06.07.2008, ŞK 543, (End., EN). **H. ledifolium** (L.) Mill. "kuru güngülü", (10), 10.05.2014, ŞK 4699. **H. microcarpum** Coss. ex Boiss. "çalı güngülü", (27), 06.06.2009. **H. nummularium** (L.) Mill. subsp. **lycaonicum** Coode & Cullen "güngülü", (29), D. 21858, (End., LR). **H. oelandicum** (L.) DC. subsp. **incanum** (Willk.) G.López "tüylü güngülü",

(10), 10.05.2014, ŞK 4673.

CONVOLVULACEAE/ TARLASARMAŞIĞİLLER (3/10)

Convolvulus cantabrica L. "çadırçiçeği", (10), 28.05.2009, ŞK 1208. **C. cataonicus** Boiss. & Hausskn. ex Boiss. "kaplumbağotu", (10), 28.05.2009, ŞK 1198, (Ir.-Tur.), (End., LR). **C. compactus** Boiss. "bodur dolaşgan", (13), 18.05.2008, ŞK 349, (Ir.-Tur.). **C. galaticus** Rost. ex Choisy "boz sarmaşık", (1), 13.06.2008, ŞK 512, (Ir.-Tur.), (End., LR). **C. holosericeus** M.Bieb. subsp. **holosericeus** "gündüzsefası", (4), 06.06.2009, ŞK 1380. **C. lineatus** L. "top yayılğan", (13), 13.05.2009, ŞK 1039. **C. scammonia** L. "bingözotu", (8), 18.05.2008, ŞK 254, (E. Medit.). **C. stachydifolius** Choisy. "lek-siotu", (4), 06.06.2009, ŞK 1373, (Ir.-Tur.). **Cuscuta kotschyana** Boiss. subsp. **caudata** Bornm. & Schwarz "koç bostanbozan", (25), 06.06.2009, ŞK 1412, (Ir.-Tur.). ***Ipomoea purpurea** (L.) Roth. "kakhaha çiçeği", (10), 28.05.2009, ŞK 1220.

CORNACEAE/KIZILCIK (1/1)

Cornus mas L., (8), 18.05.2008, ŞK 248, (Euro.-Sib.).

CRASSULACEAE/DAMKORUĞUGİLLER (1/1)

Sedum album L. "çobankavurgası", (25), 06.06.2009, ŞK 1388.

CUCURBITACEAE/KABAKGİLLER (1/1)

***Cucurbita pepo** L. "sakız kabağı", (16), 13.06.2008, ŞK 406.

ELAEAGNACEAE/İĞDEGİLLER (1/1)

Elaeagnus angustifolia L. "iğde", (19), 13.06.2008, ŞK 420.

EUPHORBIACEAE/SÜTLEĞENGİLLER (1/9)

Euphorbia altissima Boiss. var. **glabrescens** Boiss. ex M.s.Khan "kabargaç", (13), 06.07.2009, ŞK 683. **E. arvalis** Boiss. & Heldr. "tarla sütleğeni", (13), 06.07.2008, ŞK 670, (Ir.-Tur.). **E. condylocarpa** M.Bieb "gijeletri", (31), 13.04.2009, ŞK 967. **E. denticulata** Lam. "karasütlük", (18), 23.03.2009, ŞK 899. **E. eriophora** Boiss. "şiremara", (29), 14.07.1906, B.Post. **E. esula** L. subsp. **tommasiniana** (Bertol.) Kuzmanov "eşek sütleğeni", (14), 02.11.2008, ŞK 851. **E. herniariifolia** Willd. var. **herniariifolia** "boncuk sütleğeni", (31), 13.04.2009,

ŞK 929. *E. macroclada* Boiss. "neblul", (32), 06.07.2008, ŞK 538, (Ir.-Tur.). *E. szowitzii* Fisch. & Mey. var. *kharputens* Azn. ex M.S.Khan "urus sütleğeni", (13), 06.07.2009, ŞK 678, (Ir.-Tur.).

FABACEAE/BAKLAGİLLER (19/77)

Astragalus aduncus Willd. "çengel geven", (23), 28.05.2009, ŞK 1346, (Ir.-Tur.). *A. anthylloides* Lam. "torbalı geven", (18), 21.06.2009, ŞK 1483, (Ir.-Tur.). *A. ascicalyx* Bunge. "külâh geveni", (7), 03.05.2009, ŞK 990, (Ir.-Tur.). *A. cadmicus* Boiss. "baba geveni", (31), 03.05.2009, ŞK 1122, (End., LR). *A. cephalotes* Banks. & Sol. subsp. *cephalotes* "başlı geven", (10), 07.05.2013 ŞK 3894. *A. christianus* L. subsp. *christianus* "dallı geven", (23), 28.05.2009, ŞK 1321. *A. chthnocephalus* Boiss. & Balansa "piç geven", (12), Hub.-Mor. 9077, (Ir.-Tur.). *A. cretaceus* Boiss. "gök geven", (10), 07.05.2013 ŞK 3887, (Ir.-Tur.). *A. cymbibracteatus* Hub.-Mor. & D.F.Chamb. "yatık geven", (7), 19.07.2009, ŞK 785. (Ir.-Tur.), (End., LR). *A. darendensis* Podlech & Ekici "Darende geveni", (9), 10.06.2015, ŞK 6100, (Ir.-Tur.) (End., CR B2ab(v);D). *A. drusorum* Boiss. "cadı geveni", (12) 06.08.1850, Clement.s.n. *A. hirsutus* Vahl. "tüylü geven", (19), 13.05.2009, ŞK 1027, (End., LR). *A. karamasicus* Boiss. & Balansa "korumaz geveni", (25), 28.05.2009, ŞK 1286, (Ir.-Tur.), (End., LR). *A. lycius* Boiss. "bozkır mumu", (10), 28.05.2009, ŞK 1203, (End., LR). *A. mesogitanus* Boiss. "aydın geveni", (19), 13.05.2009, ŞK 1079, (Ir.-Tur.), (End., LR). *A. malatyaensis* Podlech "malatya geveni", (4), 04.06.1987, M.Nydegger 42617, (Ir.-Tur.), (End., CR D). *A. melitenensis* Boiss. "akça geven", (25), 06.06.2009, ŞK 1409, (Ir.-Tur.), (End., LR). *A. nitens* Boiss. & Heldr. "parlak geven", (18), 28.05.2009, ŞK 1362, (Ir.-Tur.). *A. onobrychis* L. "korunga geveni", (12), 07.05.2013 ŞK 3879. *A. pennatulus* Hub.-Mor. & D.F.Chamb. "cuni", (18), M.Zohary & Plitmann 1767-15, (Ir.-Tur.), (End., LR). *A. pendulus* DC. "sırık geveni", (23), 28.05.2009, ŞK 1334, (Ir.-Tur.). *A. pinetorum* Boiss. subsp. *pinetorum* "babadağ geveni", (13), 16.04.2008, ŞK 144 (Ir.-Tur.). *A. podperae* Širj. "oğlak geveni", (9), 21.06.2009, ŞK 1513, (Ir.-Tur.). *A. scabrifolius* Boiss. "gövdesiz geven", (9), 28.05.2009, ŞK 1177, (Ir.-Tur.), (End., CR B1ab(v)). *A. stenosemioides* Bornm. & Mathews "zirve geveni", (32), 06.06.2009, ŞK 1463, (Ir.-Tur.), (End., EN). *A. stevenianus* DC. var. *stevenianus* "arıkaldıran", (10), 24.04.2013 ŞK 3715. *A. strigil-*

losus Bunge "sert geven", (31), 23.04.2009, ŞK 944, (Ir.-Tur.). *A. tigridis* Boiss. "Dicle geveni", (7), 03.05.2009, ŞK 989, (Ir.-Tur.). *A. zahlbruckneri* Hand.-Mazz. "kubbe geveni", (25), 28.05.2009, ŞK 1285, (Ir.-Tur.), (End., VU). *A. zederbaueri* Stadlmann "ermenek geveni", (18), 21.06.2009, ŞK 1483, (Ir.-Tur.), (End., LR). *A. xylobasis* Freyn & Bornm. "kemaliye geveni", (7), 13.05.2009, ŞK 1092, (End., LR). *Ebenus depressa* Boiss. & Balansa "bodur morgeven", (18), 21.06.2009, ŞK 1503, (Ir.-Tur.), (End., LR). *E. hausknechti* Bornm. ex Hub.-Mor. "Harput morgeveni", (10), 07.05.2013 ŞK 3873, (Ir.-Tur.), (End., LR). *E. laguroides* Boiss. "morgeven", (19), 13.06.2008, ŞK 443, (Ir.-Tur.), (End., LR). *Cicer pinnatifidum* Jaub. & Spach "çakıl nohutu", (12), 07.05.2013 ŞK 3870. *Genista albida* Willd. "ak borcak", (9), 18.05.2008, ŞK 276. *G. aucheri* Boiss. "bayır borcağı", (9), 10.06.2015, ŞK 6101, (End., LR). *Glycyrrhiza glabra* L. var. *glandulifera* (Waldst. & Kit) Regel & Herder "meyan" (26), D. 21889. *Hedysarum aucheri* Boiss. "altın batalak", (23), 21.06.2009, ŞK 1525, (Ir.-Tur.), (End., VU). *H. candissimum* Freyn "hoş batalağı", (16), 13.06.2008, ŞK 361, (Ir.-Tur.), (End., LR). *H. elagans* Boiss. & Huet "kır batalağı", (32), 06.07.2008, ŞK 541, (Ir.-Tur.). *H. pestallozzae* Boiss. "horozbaşı", (32), 06.07.2008, ŞK 525, (Ir.-Tur.), (End., LR). *H. pogonocarpum* Boiss. "tay batalağı", (25), 13.06.2008, ŞK 481, (End., LR). *H. pycnostachyum* Hedge & Hub.-Mor. "Fırat batalağı", (32), 06.06.2009, ŞK 1475, (Ir.-Tur.), (End., EN). *H. rotundifolium* Boiss. & Noë "özge batalak", (4), 06.06.2009, ŞK 1384, (Ir.-Tur.), (End., EN). *H. varium* Willd. subsp. *syriacum* (Boiss.) Townsend "şam batalağı", (13), 18.05.2008, ŞK 300, (Ir.-Tur.). *H. varium* Willd. subsp. *varium* "batalak", (23), 28.05.2009, ŞK 1338. *Lathyrus blepharicarpus* Boiss. "kirpikli imirdiği", (13), 18.05.2008, ŞK 340. *Medicago fischeriana* (Ser.) Trautv. "mızrak yonca", (8), 13.06.2008, ŞK 511. *M. lupulina* L. "bitçik otu", (8), 18.05.2008, ŞK 243. *M. monantha* (C.A.Mey.) Trautv. "dağ gurniği", (16), 13.06.2008, ŞK 394. (Ir.-Tur.). *M. papillosa* Boiss. subsp. *papillosa* "siğilli yonca", (12), 18.05.2008, ŞK 229, (Ir.-Tur.). *M. x varia* Martyn "yaban yoncası", (1), 16.04.2008, ŞK 186. *Melilotus officinalis* (L.) Desr. "kokulu yonca", (12), 18.05.2008, ŞK 212. *Onobrychis argyrea* Boiss. subsp. *argyrea* "gümüş korunga", (16), 13.06.2008, ŞK 392, (Ir.-Tur.). *O. cappadocica*

Boiss. "athelvası", (9), 28.05.2009, ŞK 1175, (Ir.-Tur.), (End., LR). **O. montana** DC. subsp. **cadmea** (Boiss.) P.W.Ball. "bağ korungası", (1), 24.05.2014, ŞK 4873. **O. stenostachya** Freyn subsp. **krausei** (Sirj.) Hedge "başak korunga", (31), 06.07.2008, ŞK 622, (Ir.-Tur.), (End., EN). **Ononis hirta** Desf. "örsele", (2), 12.05.2007, ŞK 28, (Medit.). **O. spinosa** L. subsp. **leiosperma** (Boiss.) Sirj. "demirdelen", (12), 07.05.2013 ŞK 3858. ***Phaseolus coccineus** L. "bombay fasülyesi", (15), 02.11.2008, ŞK 834. ***Pisum sativum** L. subsp. **elatius** (M.Bieb.) Aschers & Graebn var. **pumilio** Meikle "boylu bezelye", (22), 06.07.2008, ŞK 602. ***Robinia pseudocacia** L. cv. **umbraculifera** "yalancıakasya", (10), 28.05.2009, ŞK 1175. **Securigera varia** (L.) Lassen "körigen", (13), 18.05.2008, ŞK 289. **Sophora alopecuroides** L. var. **alopecuroides** acımeyan", (10), 10.05.2014, ŞK 4722. **Trifolium hybridum** L. var. **hybridum** "melez üçgül", (12), 07.05.2013, ŞK 3880. **T. michelianum** Savı var. **balansae** (Boiss.) Azn. "uzundiş", (10), 28.05.2009, ŞK 1217. **T. pratense** L. var. **pratense "çayır üçgülü"**, (8), 18.05.2008, ŞK 244, 265. **T. stellatum** L. var. **stellatum** "yıldız yonca", (10), 24.04.2013 ŞK 3695. **Trigonella foenum-graceum** L. "çemenotu", (8), 18.05.2008, ŞK 242. **T. kotschyi** Fenzl "akboyotu", (9), 28.05.2009, ŞK 1162. **T. mesopotamica** Hub.-Mor. "Dicle boyotu", (8), 18.05.2008, ŞK 260, (Ir.-Tur.). **T. spruneriana** Boiss. "koç boyotu", (10), 24.04.2013 ŞK 3657. **T. velutina** Boiss. "ipek boyotu", (7), 19.07.2008, ŞK 714, (Ir.-Tur.). **Vicia hirsuta** (L.) Gray "bozfiğ", (10), 24.05.2014, ŞK 5045. **V. peregrina** L. "kavli", (13), 18.05.2008, ŞK 288. **V. sativa** L. subsp. **nigra** L.) Ehrh. "eşek gürülü", (16), 13.06.2008, ŞK 368. **V. villosa** Roth subsp. **eriocarpa** (Hauskn.) P.W.Ball. "boğala", (16), 13.06.2008, ŞK 370.

FAGACEAE/KAYINGİLLER (1/1)

Quercus petraea (Matt.) Liebl. subsp. **pinnatifida** (K.Koch) Menitsky "koca pelit", (24), 21.06.2009, ŞK 1573.

GERANIACEAE/TURNAGAGASIGİLLER (3/10)

Erodium absinthoides Willd. subsp. **armenum** (Trautv.) P.H.Davis "kaya iğneliği", (25), 13.04.2009, ŞK 955, (Ir.-Tur.). **E. aytacii** Yıld. & Doğru-Koca "bey iğneliği" (16) 13.06.2008, ŞK 375, (Ir.-Tur.), (End., EN B2ab(v)). **E. cicutarium** (L.) L'Hér. subsp. **cicutarium** "iğnelik", (7),

30.03.2008, ŞK 120. **E. gaillardotii** Boiss. "bozkır iğneliği", (14), 13.05.2009, ŞK 1101, (Ir.-Tur. VU). **E. micropetalum** Boiss. & Hauskn. "kokar iğnelik", (10), 24.04.2013, ŞK 3672, (E.Medit.), (End., LR). **Geranium dissectum** L. "dilimli itir", (17), 12.05.2007, ŞK 34. **G. purpureum** Vill. "ebedön", (9), 02.11.2008, ŞK 844. **G. rotundiflorum** L. "helilok", (18), 03.05.2009, ŞK 1006. **G. tuberosum** L. "çakmuz", (1), 18.05.2008, ŞK 326. **Pelargonium endlicherianum** Fenzl "solucanotu", (31), 19.05.2009, ŞK 1148, (Ir.-Tur.).

HYPERICACEAE/KANTARONGİLLER (1/9)

Hypericum adenotrichum Spach "kızılıcıkotu", (21), 13.06.2008, ŞK 494, (End., LR). **H. capitatum** Choisy var. **luteum** N.Robson "bantof", (23), 21.06.2009, ŞK 1556, (Ir.-Tur.). **H. lydium** Boiss. "cayesancıyan", (16), 13.06.2008, ŞK 426. **H. perforatum** L. subsp. **veronense** (Schrank) H.Linb. "sarı kantaron", (7), 19.07.2008, ŞK 713. **H. pseudolaeve** N.Robson "keşiş kantaronu", (4), 21.06.2009, ŞK 1532, (End., LR). **H. retisum** Aucher "aran", (18), 28.05.2009, ŞK 1352, (Ir.-Tur.). **H. scabrum** L. "kara Hasançayı", (18), 13.06.2008, ŞK 463, (Ir.-Tur.). **H. thymbrifolium** Boiss. & Noë "bozkır kantaronu", (16), 13.06.2008, ŞK 413, (Ir.-Tur.), (End., LR). **H. thymopsis** Boiss. "darende kantaronu", (2), 29.11.2008, ŞK 854, (Ir.-Tur.), (End., LR).

JUGLANDACEAE/CEVİZGİLLER (1/1)

Juglans regia L. "ceviz", (13), 18.05.2008, ŞK 305.

LAMIACEAE/BALLIBABAGİLLER (18/56)

Ajuga chamaepitys (L.) Schreb. subsp. **chia** (Schreber) Arcang. "acıgıcı", (18), 28.05.2009, ŞK 1366. **A. salicifolia** (L.) Schreb. "sivrimayasıl", (16), 33.06.2008, ŞK 416, (Ir.-Tur.). **Clinopodium graveolens** (M.Bieb.) Kuntze subsp. **graveolens** "filiskin", (10), 24.05.2014, ŞK 4833. **Cyclotrichium niveum** (Boiss.) Manden & Scheng. "külötu", (16), Sorger 77-105-20, (Ir.-Tur.), (End., VU). **Eremostachys moluccelloides** Bunge "benli sultan", (18), D. 21868, (Ir.-Tur.). **Lallemantia iberica** (M.Bieb.) Fisch & C.A.Mey. "ajdarbaşı", (10), 24.04.2013 ŞK 3683, (Ir.-Tur.). **L. peltata** (L.) Fisch. & C.A.Mey. "kalkanbaşı", (19), 13.05.2008, ŞK 1081, (Ir.-Tur.). **Lamium amplexicaule** L. var. **aleppicum** (Boiss. & Hauskn. ex Boiss.) Bornm. "baltutan", (21), 30.03.2008, ŞK 112. **L. amplexicaule** L. var. **amplexicaule** Boiss. & Hauskn. "baltutan", (1),

30.03.2008, ŞK 117, (Euro-Sib.). **L. garganicum** L. subsp. **striacum** (Sm.) var. **striacum** Hayek "tel balıcak", (24), 03.05.2009, ŞK 995. **L. orientale** Fisch. & Mey., (10), 13.05.2009, ŞK 1071, (Ir.-Tur.), (End., LR). **Marrubium globosum** Montbret & Aucher ex Benth. subsp. **globosum** "bozcaboğum", (25), 06.06.2009, ŞK 1429, (Ir.-Tur.), (End., LR). **M. parviflorum** Fisch. & C.A.Mey. subsp. **oligodon** (Boiss.) Seybold. "küllü bozotu", (17), 12.05.2008, ŞK 60. **M. trachyticum** Boiss., "itsineği", (24), Sorger, 77-106-17, (Ir.-Tur.), (End., LR). **Mentha longifolia** (L.) L. subsp. **typhoides** "dere nanesi" (18), McNeill 427. **Micromeria cremnophila** Boiss. & Heldr. subsp. **anatolica** PH Davis "taş boğumcuğu", (12), D. 21852, (Ir.-Tur.), (End., LR). **M. myrtifolia** Boiss. & Hohen "boğumlu çay", (10), 24.05.2014, ŞK 4817. **Phlomis armeniaca** Willd. "boz şavlak", (32), 06.07.2008, ŞK 536, (Ir.-Tur.), (End., LR). **P. linearis** Boiss. & Balansa "yaylaotu", (9), 21.06.2009, ŞK 1521, (Ir.-Tur.), (End., LR). **P. oppositiflora** Boiss. & Hausskn. "has çalba", (13), 06.07.2008, ŞK 657, (Ir.-Tur.), (End., LR). **P. phytocalyx** Hub.-Mor. "küfe çalbası", (12), Hub.-Mor. 8903, (Ir.-Tur.), (End., VU). **P. pungens** Willd var. **pungens** "silvanok", (23), 06.07.2008, ŞK 581. **Prunella laciniata** (L.) "bodur fesleğen", (30), 06.07.2008, ŞK 627. **P. vulgaris** L. "gelinciklemeotu", (23), 06.07.2008, ŞK 613, (Euro.-Sib.). **Salvia absconditiflora** (Montbret & Aucher ex Benth.) Greuter & Burdet "kara şalba", (12), 18.05.2008, ŞK 210, (Ir.-Tur.), (End., LR). **S. aethiopsis** L. "habeş adaçayı", (13), 18.05.2008, ŞK 316. **S. ballsiana** Rech. f.) Hedge "gerger şalbası", (3), 28.05.2009, ŞK 1192, (Ir.-Tur.), (End., DD). **S. cassia** Samuelss ex Rech.f. "kel şalba", (12), 03.05.2013 ŞK 3860, (Medit.). **S. dichroantha** Stapf. "kutnu", (13), 06.07.2008, ŞK 651, (Ir.-Tur.), (End., LR). **S. euphratica** Montbret & Aucher var. **euphratica** "fırat şalbası", (13), 18.05.2008, ŞK 286. **S. euphratica** Montbret & Aucher var. **leicalycina** (Rech. f.) Hedge "fırat şalbası", (25), 13.06.2008, ŞK 478, (Ir.-Tur.), (End., LR). **S. frigida** Boiss. "sağır şalba", (16), 13.06.2008, ŞK 422, (Ir.-Tur.). **S. hypargeia** Fisch. C.A.Mey. "siyahot" (16), 13.06.2008, ŞK 428, (Ir.-Tur.), (End., LR). **S. multicaulis** Vahl. "kürt reyhanı", (10), 13.05.2009, ŞK 1062. **S. palaestina** Benth. "sürmeli şalba", (10), 24.04.2013 ŞK 3660, (Ir.-Tur.). **S. staminea** Montbret & Aucher ex Benth. "erkek şalba", (21), 19.07.2008, ŞK 756. **S. suffruticosa** Montbret & Aucher ex Benth.

"kalın şalba", (18), 21.06.2009, ŞK 1492, (Ir.-Tur.). **S. verticillata** L. subsp. **amasiaca** (Frey & Bornm.) Bornm. "hart şalbası", (22), 06.07.2008, ŞK 616, (Ir.-Tur.). **Scutellaria orientalis** L. subsp. **cretacea** (Boiss. & Hausskn) J.R.Edm. "kulaklı kaside", (16), 13.06.2008, ŞK 360, (Ir.-Tur.), (EN). **S. orientalis** L. subsp. **pectinata** (Montbret & Aucher ex Benth.) J.R.Edm. "taraklı kaside", (16), 13.06.2008, ŞK 427, (Ir.-Tur.), (End., LR). **S. orientalis** L. subsp. **pinatifida** J.R.Edm. "kırbaç sırımı", (16), 28.05.2009, ŞK 1351. **Sideritis libanotica** Labill. subsp. **kurdica** (Bornm.) Hub.-Mor. "inceçay", (23), 06.07.2008, ŞK 576, (Ir.-Tur.). **Stachys annua** L. subsp. **annua** var. **annua** "haciosmmanotu", (3), 28.05.2009, ŞK 1274. **S. annua** L. subsp. **annua** var. **lycaonica** R.Bhattacharjee "dağ çayçesi", (21), 19.07.2008, ŞK 749. **S. arvensis** (L.) L. "tarla karabaşı", (14), 19.05.2009, ŞK 1103. **S. cretica** L. subsp. **anatolica** Rech.f. "yağlıkara", (23), 06.07.2008, ŞK 619, (Ir.-Tur.), (End., LR). **S. iberica** M.Bieb. subsp. **stenostachya** (Boiss.) Rech. f. "benli delçay", (2), ŞK 1492, (Ir.-Tur.). **S. lavandulifolia** Vahl. "tüylü çay", (13), 18.05.2008, ŞK 317, (Ir.-Tur.). **S. longispicata** Boiss. & Kotschy "ak deliçay", (3), 28.05.2009, ŞK 1274, (Ir.-Tur.). **S. ramosissima** Montbret & Aucher ex Benth. "harput deliçayı", (18), Hub.-Mor., (Ir.-Tur.), (End., LR). **Teucrium chamaedrys** L. subsp. **sinuatum** (Celak) Rech.f. "sanciotu", (26), D. 21955, (Ir.-Tur.). **T. chamaedrys** L. subsp. **sympirensis** (K.Koch) Rech.f. "kısamahmut", (13), 06.07.2008, ŞK 691. **T. multicaule** Montbret & Aucher ex Benth. "haptutan", (16), 13.06.2008, ŞK 412, (Ir.-Tur.). **T. orientale** L. var. **glabrescens** Hausskn. ex Bornm. "kirveotu", (8), 18.05.2008, ŞK 272. **T. orientale** L. var. **puberulens** Ekim "kirveotu", (13), 18.05.2008, ŞK 298, (Ir.-Tur.). **T. polium** L. subsp. **polium** "acıyavşan", (13), 18.05.2008, ŞK 290. **Thymus cappadocicus** Boiss. "taş kekiği", (25), 06.06.2009, ŞK 1457, (Ir.-Tur.), (End., CR). **T. pallasicus** Hayek & Velen "boz kekik", (21), 13.06.2008, ŞK 493 (Ir.-Tur.), (End., CR). **T. pectinatus** Fisch. & C.A.Mey. var. **pectinatus** "sivas kekiği", (32), 06.07.2008, ŞK 540, (Ir.-Tur.), (End., LR). **T. sipyleus** Boiss. "sipil kekiği", (16), 13.06.2008, ŞK 419. **Ziziphora clinopodioides** Lam. "dağ reyhanı", (17), 12.05.2009, ŞK 295. **Z. persica** Bunge "kara reyhan", (9), 18.05.2008, ŞK 295. **Z. tenuior** L. "fare otu", (23), 06.07.2008, ŞK 580, (Ir.-Tur.)

LINACEA/KETENGİLLER (1/4)

Linum bienne Mill. "deli keten", (12), 18.05.2008, ŞK 198. **L. mucronatum** Bertol subsp. **armenum** (Bordz.) P.H.Davis "Sarıkamış keteni", (32), 06.07.2008, ŞK 545, (Ir.-Tur.). **L. nodiflorum** L. "yaban keten", (23), 06.07.2008, ŞK 588, (Medit.). **L. obtusatum** (Boiss.) Stapf "akdağ keteni", (12), 03.05.2013 ŞK 3865, (Ir.-Tur.).

LYTHRACEAE/AKLAROTUGİLLER (1/2)

Lythrum salicaria L. "hevulma", (22), 06.07.2008, ŞK 604, (Euro.-Sib.). **L. virgatum** L. "çamur aklarotu", (22), 06.07.2008, ŞK 608, (Euro.-Sib.).

MALVACEAE/EBEGÜMECİGİLLER (3/6)

Alcea biennis Winterl. "fatmaanagülü", (9), 16.04.2008, ŞK 176. **A. calvertii** (Boiss.) Boiss. "hıraççeği", (23), 06.07.2008, ŞK 615, (Ir.-Tur.), (End., LR). **A. hohenackeri** (Boiss. & Huet) Boiss. "hevur", (9), 16.04.2008, ŞK 174. **A. striata** (DC.) Alef. subsp. **rufescens** (Boiss.) Cullen "yivli hatmi", (21), 21.09.2008, ŞK 803. **Hibiscus trionum** L. "kekrede", (7), 10.08.2008, ŞK 784. **Malvella sherardiana** (L.) Jaub. & Spach "hubazi", (3), 28.05.2009, ŞK 1275.

MORACEAE/DUTGİLLER (2/3)

Ficus carica L. subsp. **carica** "incir", (13), 18.05.2008, ŞK 333, (Ir.-Tur.). ***Morus alba** L. "akdut", (22), 06.07.2008, ŞK 596. ***M. nigra** L. "karadut", (12), 21.06.2009, ŞK 1445.

NITRARIACEAE/ÜZERLİKGİLLER (1/1)

Peganum harmala L. "üzerlik", (6), 19.07.2008, ŞK 732.

OLEACEAE/ZEYTINGİLLER (1/1)

Fraxinus angustifolia Vahl. subsp. **angustifolia** "sivri dişbudak", (8), 18.05.2008, ŞK 249.

ONAGRACEAE/YAKIOTUGİLLER (1/2)

Epilobium hirsutum L. "hasanhüseyin çiçeği", (22), 06.07.2008, ŞK 601. **E. montanum** L. "dağyakası", (22), 06.07.2008, ŞK 607, (Euro.-Sib.).

OROBANCHACEAE/CANAVAROTUGİLLER (5/9)

Bungea trifida (Vahl) C.A.Mey. "üç kernekotu", (12), 07.05.2013 ŞK 3878, (Ir.-Tur.). **Orobanche**

minor Sm. "göveotu", (18), 19.05.2009, ŞK 1114. **O. oxyloba** Beck "kazıkotu", (24), Sorger 76-21-28. **O. schultzei** Mutel "kırk veremotu", (25), 28.05.2009, ŞK 1296. **Pedicularis comosa** L. var. **sibthorpii** (Boiss.) Boiss. "hotozlu bitotu", (7), ŞK 1934. **Phe-lipanche aegyptiaca** (Pers.) Pomel "dinlendiren", (4), 06.06.2009, ŞK 1373. **P. bungeana** (Beck) So-ják "kernek canavarotu", (12), 03.05.2013, ŞK 3835. **P. nana** (Noë) Soják "veremotu", (12), 07.05.2013 ŞK 3880. **Phelypaea coccinea** (M.Bieb.) Poir. "kardaşkanı", (9), 06.06.2009, ŞK 1394, (Ir.-Tur.).

PAPAVERACEAE/HAŞHAŞGİLLER (5/15)

Fumaria asepalae Boiss. "ak şahtere", (13), 13.05.2009 ŞK 1044, (Ir.-Tur.). **F. officinalis** L. subsp. **cilicica** "yer sofrası", (13), 06.07.2008, ŞK 652. **Glaucium acutidentatum** Hausskn. & Bornm. "tavukgötü", (16), 13.06.2008, ŞK 431, (Ir.-Tur.), (End., LR). **G. flavum** Crantz "gündürmelâlesi", (2), 18.05.2008, ŞK 236. **G. grandiflorum** Boiss & A.Huet subsp. **refractum** (Nábelek) Mory var. **refractum** "develâlesi", (18), D. 21945, (Ir.-Tur.). **G. le-iocarpum** Boiss. "gâvur haşhaşı", (2), 06.12.2008, ŞK 869. **Hypecoum dimitiatum** Delile "boynuzlu kimyon", (1), 16.04.2008, ŞK 183. **H. pendulum** L. L. "tarla düğmeciciği", (9), 03.05.2009, ŞK 1018. **Papaver argemone** L. subsp. **argemone** "kum haşhaşı", (2), ŞK 1091. **P. macrostomum** Boiss. & A. Huet "minimitçe", (13), 18.05.2008, ŞK 339, (Ir.-Tur.). **P. persicum** Lindl, subsp. **persicum** "acem gelinciği" (13), 06.07.2008, ŞK 646. **P. persicum** Lindl, subsp. **fulvum** Kit Tan & Sorger "kaşıklık", (24), Sorger 71-50-33, (End., VU). **P. rhoeas** L. "gelincik", (16), 13.06.2008, ŞK 354. **P. syriacum** Boiss. & C.I.Blanche "kellinar", (16), 13.06.2008, ŞK 356. **P. triniifolium** Boiss. "titrekızım", (32), 06.07.2008, ŞK 523, (Ir.-Tur.), (End., LR). **Roeme-ria hybrida** (L.) DC. subsp. **hybrida** "pıtpıtotu", (9), 03.05.2008, ŞK 1014.

PHYLLANTHACEAE/DUVARNOHUTUGİLLER (1/1)

Andrachne telephioides L. "duvarnohutu" (12), 07.05.2013, ŞK 3871.

PLANTAGINACEAE/SİNİROTUGİLLER (5/20)

Anarrhinum orientale Benth. "süpürgrotu" (12), 16.06.2012, ŞK 2226. **Globularia orientalis** L. "küre çiçeği", (23), 06.07.2008, ŞK 593, (Ir.-Tur.). **G. trichosantha** Fisch. & C.A.Mey. subsp. **tricho-**

santha "köşe yayılımı", (22), 16.04.2008, ŞK 154, (Ir.-Tur.). **Linaria antilibanotica** Rech.f. "arap nevrüzotu", (10), 19.05.2009, ŞK 1210, (Ir.-Tur.). **L. chalapensis** (L.) Mill. subsp. **chalapensis** "arap nevrüzotu", (19), 13.05.2009, ŞK 1078. **L. corifolia** Desf. "tarla nevrüzotu", (25), 19.05.2009, ŞK 1152, (Ir.-Tur.), (End., LR). **L. iconia** Boiss. & Heldr. "kon-ya nevrüzotu", (1), 06.06.2009, ŞK 1430, (Ir.-Tur.), (End., LR). **L. kurdica** Boiss. & Hohen. subsp. **kurdica** "sarı nevrüzotu", (21), 19.07.2008, ŞK 752, (Ir.-Tur.). **L. pelisseriana** (L.) Mill. "mor nevrüzotu", (25), 06.06.2009, ŞK 1420, (Medit). **L. simplex** DC. "yalın nevrüzotu" (10), 07.05.2013 ŞK 3914, (Medit). **Plantago lanceolata** L. "damarlıca", (12), 18.05.2008, ŞK 213. **P. major** L. subsp. **intermedia** (Glib.) Lange "yedidamarotu", (13), 06.07.2008, ŞK 672. **Veronica anagalis-aquatica** L. "sugedemesi", (8), 19.05.2008, ŞK 745. **V. cinerea** Boiss. & Balansa "gümüş maviş", (17), 19.05.2009, ŞK 1112, (E. Medit.), (End., LR). **V. hederifolia** L. "bahar maviş", (13), 18.05.2008, ŞK 189. **V. jacquinii** Bornm. "çalı maviş", (25), 06.06.2009, ŞK 1433, (Euro.-Sib.). **V. polifolia** Benth. "dallı maviş", (10), 13.05.2009, ŞK 1065, (Ir.-Tur.), (VU). **V. polita** Fr. "mavişot", (9), 16.04.2008, ŞK 177. **V. thymoides** P.H.Davis subsp. **pseudocinera** M.A.Fisch. "bozkır maviş", (4), 06.06.2009, ŞK 1379, (Ir.-Tur.), (End., LR). **V. triloba** Opiz "üç maviş", (13), 03.05.2009, ŞK 1041.

PLATANACEAE/ÇINARGİLLER (1/1)

Platanus orientalis L. "çınar" (12), 28.05.2009, observed ŞK.

PLUMBAGINACEAE/KARDİKENİGİLLER (2/5)

Acantholimon acerosum (Willd) Boiss. var. **parvifolium** Bokhari "pişik keveni", (25), 13.06.2008, ŞK 480, (Ir.-Tur.) (End., VU). **A. damassanum** Mo-bayen "gevrek kardiken", (18), 03.07.2001, Doğan & Akaydın 6729, (Ir.-Tur.). **A. strigillosum** Bokhari "narin kirpiotu", (10), 24.04.2013 ŞK 3669, (Ir.-Tur.), (End., VU B2ab(i)). **A. venustum** Boiss. var. **venustum** "kınalı kirpiotu", (18), D. 21870. **Plumbago europaea** L. "karakına", (13), 06.07.2008, ŞK 662, (Euro.-Sib).

POLYGALACEAE/SÜTOTUGİLLER (1/3)

Polygala anatolica Boiss. & Heldr. "yılan yoncası", (27), 06.06.2009, ŞK 1442. **P. pruinosa** Boiss. subsp. **pruinosa** "puslu sütotu", (25), 06.06.2009,

ŞK 1394. **P. supina** Schreb. subsp. **supina** "gihaye sipirge", (25), 06.06.2009, ŞK 1305.

POLYGONACEAE/MADIMAKGİLLER (3/6)

Atrophaxis billardieri Jaub.& Spach var. **billardieri** "teke buğdayı", (23), 28.05.2009, ŞK 1329. **A. spinosa** L. "devekiran", (29), 1906, Post 7, (Ir.-Tur.). **Polygonum arenastrum** Boreau "bezmeceotu", (17), McNeill 646. **P. cognatum** Meissn. "madımak", 10.08.2008, ŞK 777. **Rumex angustifolius** Campd. subsp. **macranthus** (Boiss.) Rech.f. "kertlice", (9), 28.05.2009, ŞK 1171, (Ir.-Tur.). **R. scutatus** L. "ekşimen", (13), 06.07.2008, ŞK 653.

PORTULACEAE/SEMİZOTUGİLLER (1/1)

Portulaca oleracea L. "semizotu", (17), 12.05.2007, ŞK 29.

PRIMULACEAE/ÇUHAÇİÇEĞİGİLLER (2/3)

Anagallis arvensis L. subsp. **arvensis** "farekulağı", (13), 06.07.2009, ŞK 667. **Androsace maxima** L. "tavukkursağı", (13), 16.04.2008, ŞK 145. **A. villosa** L. "catili", (21), 13.06.2008, ŞK 500, (Euro.-Sib.).

RANUNCULACEAE/DÜĞÜNÇİÇEĞİGİLLER (7/17)

Adonis aestivalis L. subsp. **aestivalis** . "kandamlası", (13), 18.05.2008, ŞK 335. **A. aestivalis** L. subsp. **parviflora** (Fisch ex DC.) N.Busch. "kuşlâlesi", (20), 12.05.2007, ŞK 83. **Anemone blanda** Schott & Kotshyi "dağlâlesi", (18), 13.04.2009, ŞK 897. **Ceratocephalus falcata** (L.) Pers "yelotu", (17), 12.05.2007, ŞK 18. **Consolida glandulosa** (Boiss. & Huet) Bornm. "yağlı mahmuz", (16), 13.06.2008, ŞK 362, (Ir.-Tur.), (End., LR). **C. oliveriana** (DC.) Schrödinger "killi mahmuz", (29), 14.07.1906, Post. **C. orientalis** (J.Gay) Schrödinger "morçiçek", (12), 18.05.2008, ŞK 203. **C. scleroclada** (Boiss.) Schrödinger var. **rigida** (Frey. & Sind.) P.H.Davis "sert mahmuz", (13), 06.07.2008, ŞK 658, (Ir.-Tur.). **Delphinium dasystachyum** Boiss. & Balansa "kirli hezaren", (13), 06.07.2008, ŞK 661, (Ir.-Tur.), (End., LR). **Nigella arvensis** L. var. **glauca** Boiss. "tarla çörekotu", (25), 13.06.2008, ŞK 473. **N. latisecta** P.H.Davis "ekin çörekotu", (4), 06.06.2009, ŞK 1382, (Ir.-Tur.). **N. oxypetala** Boiss. "Fırat çörekotu", (9), 21.06.2009, ŞK 1509, (Ir.-Tur.). **Ranunculus argyreus** Boiss. "çitemik", (13), 18.05.2008, ŞK 299. **R. arvensis** L. "mustafaçiçeği", (17), 12.05.2007, ŞK 44. **R. constantinopolitanus** (DC.)

d'Urv. "kâğıthane çiçeği", (8), 18.05.2008, ŞK 75. **R. cuneatus** Boiss. "körükotu", (8), 18.05.2008, ŞK 205. **R. kotschy** Boiss. "girit lâlesi", (8), 18.05.2008, ŞK 264. **R. trichophyllus** Chaix ex Vill. "suluçanak", (20), 12.05.2007, ŞK 95.

RESEDACEAE/GERDANLIĞİLLER (1/2)

Reseda lutea L. var. **lutea** "muhabbet çiçeği", (17), 12.05.2007, ŞK 40. **R. tomentosa** Boiss. var. **tomentosa** "havlı gerdanlık", (25), 28.05.2009, ŞK 1297, (Ir-Tur.), (End., VU B2ab(v);D1).

RHAMNACEAE/CEHRİĞİLLER (1/1)

Rhamnus lycioides L. subsp. **oleoides** (L.) Jahan-diez & Maire "top cehri", (16), 13.06.2008, ŞK 432.

ROSACEAE/GÜLGİLLER (14/30)

Agrimonia eupatoria L. subsp. **asiatica** (Juz.) Ska-licky "fitikotu", (31), 06.07.2008, ŞK 623. **Amygdalus communis** L. "badem", (13), 16.04.2008, ŞK 163. **A. lycioides** Spach. var. **lycioides** "behiv", (31), 06.07.2008, ŞK 621. **A. orientalis** Mill. "payam", (11), 30.03.2008, ŞK 96. ***Armeniaca vulgaris** Lam. "kayısı", (11), 13.04.2009, ŞK 905. ***Cerasus avium** (L.) Moench. "kiraz", (7), 16.04.2008, ŞK 173. **C. incana** (Pal.) Spach var. **incana** "dağ kirazı", (13), 06.07.2008, ŞK 686, (Ir-Tur.). **C. mahaleb** Mill. var. **mahaleb** "mahlep", (13), 06.07.2008, ŞK 659. **C. microcarpa** Boiss. subsp. **microcarpa** "ya-ban kirazı", (13), 16.04.2008, ŞK 142. **C. vulgaris** Mill. "vişne", (16), 16.04.2008, ŞK 157. **Cotoneas-ter integerrimus** L. "garagat", (16), 13.06.2008, ŞK 423. **Crataegus azarolus** L. var. **azarolus** "müzmüldek", (19), 21.09.2008, ŞK 802. **C. mi-crophylla** K.Koch. subsp. **microphylla** "kocakarı armudu", (10), 18.05.2008, ŞK 246. (Euro.-Sib.). **C. monogyna** Jacq. subsp. **monogyna** "yemişen", (23), 06.07.2008, ŞK 597. **C. x sinaica** Boiss. "çöl alıcı", (13), 06.07.2008, ŞK 640, (Ir-Tur.). ***Cy-donia oblonga** Mill. "ayva", (69), 19.07.2008, ŞK 736. **Malus sylvestris** (L.) Mill. subsp. **sylves-tris** "yaban elması", (16), 13.06.2008, ŞK 373. **Potentilla argentea** L. "gümüş parmakotu", (31), 21.06.2009, ŞK 1614. **P. inclinata** Vill. "eğri par-makotu", (27), 06.06.2009, ŞK 1444. **P. recta** "su parmakotu", (16), 13.06.2008, ŞK 382. **P. reptans** L. "reşatınotu", (10), 28.05.2009, ŞK 1235. **P. spe-ciosa** Willd. "kaya parmakotu", (1), 22.11.2008, ŞK 852. ***Prunus divaricata** Ledeb. subsp. **divaricata** "yunus eriği", (6), 19.07.2008, ŞK 734. **Pyrus com-**

munis L. subsp. **communis** "bey armudu", (22), 16.04.2008, ŞK 158. **Rosa canina** L. "kuşburnu", (29), 21.09.2008, ŞK 814. **R. hemishaerica** J.Herrm. "kadingöbeği", (23), 28.05.2009, ŞK 1322, (Ir-Tur.). **R. orientalis** A.Dupont ex DC. "asker gülü", (18), 21.06.2009, ŞK 1478, (Ir-Tur.). **R. villosa** L. "sakız gülü", (9), 02.11.2008, ŞK 845. **Rubus sanctus** Schreb. "böğürtlen", (7), 10.08.2008, ŞK 782. **Sanguisorba minor** L. subsp. **minor** "çayırdüğmesi", (12), 18.05.2008, ŞK 214.

RUBIACEAE/KÖKBAYAGİLLER (4/13)

Asperula glomerata (M.Bieb.) Griseb. subsp. **eri-antha** (Hauskn & Bornm.) Ehrend. "dağ yumyu-motu", (9), 28.05.2009, ŞK 1182. **A. glomerata** (M.Bieb.) Griseb. subsp. **codensata** (Ehrend.) Ehrend. var. **codensata** "sık yumyumotu", (25), 28.05.2009, ŞK 1300. **A. stricta** Boiss. subsp. **lat-ibracteata** (Boiss.) Ehrend. "berit belumotu", (21), 19.07.2008, ŞK 780, (Ir-Tur.), (End., LR). **Crucia-ta articulata** (L.) Ehrend. "kulaklı sarılıkotu", (13), 16.04.2008, ŞK 146. **C. taurica** (Pall. ex Willd.) Ehrend. "kırım güzeli", (13), 16.04.2008, ŞK 143. **Galium cilicium** Boiss. "yayla yoğurtotu", (3), 28.05.2009, ŞK 1190, (E. Medit.), (End., LR). **G. da-visii** Ehrend. "göksün iplikçiği", (12), 18.05.2008, ŞK 230, (E. Medit.), (End., LR). **G. humifusum** M.Bieb. "çimen iplikçiği", (13), 06.07.2008, ŞK 643. **G. incanum** Sm. subsp. **elatius** (Boiss.) Ehrend. "gür iplikçik", (32), 06.06.2009, ŞK 1472, (Ir-Tur.). **G. rivale** (Sibth. & Sm.) Griseb. "boyluca", (13), 06.07.2008, ŞK 654, (Euro.-Sib.). **G. spurium** L. var. **spurium** "arsız iplikçik", (12), 18.05.2008, ŞK 209. **G. verum** L. subsp. **glabrescens** Ehrend. "sarı yoğurtotu", (32), 06.07.2008, ŞK 546. **G. verum** L. subsp. **verum** "boyalık", (31), 19.05.2009, ŞK 1143. **Rubia rotundifolia** Banks & Sol. "bostanboyası", (6), 19.07.2008, ŞK 735, (E.Medit.). **R. tinctorum** L. "kökboyası", (7), 10.08.2008, ŞK 781, (Ir-Tur.).

RUTACEAE/TURUNÇGİLLER (1/3)

Haplophyllum cappadocicum Spach "peri se-dosu", (2), 28.05.2009, ŞK 1181, (Ir-Tur.). (End., LR). **H. myrtifolium** Boiss. "murt sedosu", (31), 19.05.2009, ŞK 1137, (Ir-Tur.), (End., EN). **Ruta thesioides** Fisch. ex DC "kirsedefotu" (25), 28.05.2009, ŞK 1310.

SALICACEAE/SÖĞÜTGİLLER (2/3)

Populus alba L. var. **alba** "akkavak", (8),

18.05.2008, ŞK 247. *Salix alba* L. subsp. *alba* "ak-söğüt", (20), 12.05.2007, ŞK 74. **S. babylonica* L. var. *babylonica* "salkım söğüt", (22), 16.04.2008, ŞK 191.

SANTALACEAE/GÜVELEKGİLLER (2/3)

Thesium bergeri Zucc. "koru güveleği", (19), 13.06.2008, ŞK 452, (E. Medit.). *T. billardieri* Boiss. "meşe güveleği", (16), 13.06.2008, ŞK 379. *Viscum album* L. subsp. *album* "ökseotu", (1), 23.03.2009, ŞK 889.

SCROPHULARIACEAE/SIRACAOTUGİLLER

(2/11)

Scrophularia libanotica Boiss. subsp. *libanotica* var. *libanotica* "denekutnu", (13), 06.07.2008, ŞK 639, (E. Medit.). *S. rimarum* Bornm. "sadrılı sıraca", (13), 06.07.2008, ŞK 650. *S. scopolii* Hoppe ex Pers. var. *scopolii* "elköpürten", (24), 21.09.2008, ŞK 819. *S. xanthoglossa* Boiss. var. *decipiens* (Boiss. & Kotschy) Boiss. "serkele", (12), 18.05.2008, ŞK 221. *Verbascum caudatum* Freyn & Bornm. "keller siğirkuyruğu", (12), 13.07.1906, G. & B.Post, (Ir.-Tur.), (End., LR). *V. cheiranthifolium* Boiss. var. *asperulum* (Boiss.) Murb. "bozkulak", (14), 02.11.2008, ŞK 850. *V. cheiranthifolium* Boiss. var. *cheiranthifolium* "bozkulak", (32), 06.07.2008, ŞK 549. *V. lasianthum* Boiss. ex Benth. "yünlü siğirkuyruğu", (21), 21.09.2008, ŞK 804. *V. natolicum* (Fisch & Mey) Hub.-Mor. "anasiğirkuyruğu", (31), 19.05.2009, ŞK 1145, (Ir.-Tur.). *V. speciosum* Schrader "zelve", (23), 06.07.2008, ŞK 594. *V. urceolatum* Hub.-Mor. "testi siğirkuyruğu", (23), 28.05.2009, ŞK 1332, (Ir.-Tur.), (End., LR). *V. wiedemannianum* Fisch. & C.A.Mey. "mor siğirkuyruğu", (9), 28.05.2009, ŞK 1163, (Ir.-Tur.), (End., LR).

SIMAROUBACEAE/KOKARAĞAÇGİLLER (1/1)

Ailanthus altissima (Mill.) Swingle "kokarağaç", (2), 06.07.2008, ŞK 689.

SOLANACEAE/PATLICANGİLLER (3/4)

**Capsicum annuum* L. "biber", (17), 21.09.2008, ŞK 794. *Hyoscyamus niger* L. "banotu", (11), 13.05.2009, ŞK 1094. *H. reticulatus* L. "kumacikotu", (1), 19.07.2008, ŞK 704, (Ir.-Tur.). *Solanum dulcamara* L. "sofur", (13), 06.07.2008, ŞK 656, (Euro.-Sib.).

TAMARICACEAE/ILGINGİLLER (1/1)

Tamarix gracilis Willd. "ince ılgın", (10), 28.05.2009, ŞK 1229.

THYMELAEACEAE/SIYIRCIKGİLLER (2/2)

Daphne oleoides Schreb. subsp. *kurdica* (Bornm.) Bornm. "mundarca", (18), 29.05.2009, ŞK 1361. *Thymelaea passerina* (L.) Coss. & Germ. "çekem", (29), G. & B.Post 24.

ULMACEAE/KARAAĞAÇGİLLER (1/1)

Ulmus minor Mill. "ova karaağacı", (8), 18.05.2008, ŞK 253.

URTICACEAE/ISIRGANGİLLER (2/2)

Parietaria judaica L. "duvarfesleğeni", (13), 18.05.2008, ŞK 303. *Urtica dioica* L. subsp. *dioica* "ısrırgan", (22), 06.07.2008, ŞK 600.

VIOLACEAE/MENEKŞEGİLLER (1/2)

Viola modesta Fenzl. "sahra menekşesi", (13), 13.05.2009, ŞK 1043. *V. occulta* Lehm. "saklı menekşe", (11), 13.04.2009, ŞK 900.

VITACEAE/ASMAGİLLER (1/1)

**Vitis sylvestris* C.C.Gmel. "deli asma", (19), 13.06.2008, ŞK 439.

5. LILIOPSIDA/SÜMBÜL SINIFI (14/55/114)

AMARYLLIDACEAE/NERGİSGİLLER (1/9)

Allium asclepideum Bornm. "koç soğanı", (9), 28.05.2009, ŞK 1162, (Ir.-Tur.), (VU). *A. asperiflorum* Misch. "beyaz soğan", (10), 28.05.2009, ŞK 1204, (Ir.-Tur.), (VU). *A. atroviolaceum* Boiss. "lifli körmən", (10), 21.06.2009, ŞK 1507. **A. cepa* L. "soğan", (7), 19.07.2008, ŞK 715. *A. myrianthum* Boiss. "pak soğan", (31), 21.06.2009, ŞK 1622, (Ir.-Tur.). *A. orientale* Boiss. "doğu soğanı", (16), 18.05.2008, ŞK 333, (E. Medit.). *A. pustulosum* Boiss. & Hausskn. "bey soğanı", (26), Hub.-Mor. 11667, (Ir.-Tur.). *A. schoenoprasum* L., (2), 06.06.2009, ŞK 1378. *A. scorodoprasum* L. "peynir sirmosu", (16), 13.06.2008, ŞK 34, (Medit.).

ARACEAE/YILANYASTIĞİLLER (2/3)

Eminium intortum (Banks & Sol.) Kuntze "çarpık yılanbacağı", (7), 03.05.2009, ŞK 982, (Ir.-Tur.). *E. rauwolfii* (Blume) Schott var. *rauwolfii* "yılanba-

çağı", (18), 03.05.2009, ŞK 1004, (E. Medit.). **Lemna trisulca** L. "yivli sumercimeği", (24), Sorger 73-35-17.

ASPARAGACEAE/KUŞKONMAZGİLLER (5/8)

Asparagus officinalis L. subsp. **officinalis** "kuşkonmaz", (8), 18.05.2008, ŞK 270. **Bellevalia speciosa** (Pallas ex Georgi) Woronow, (13), 18.05.2008, ŞK 331. **Hyacinthella acutiloba** K.Perss. & Wendelbo "sivri sümbül", (21), 30.03.2008, ŞK 109, (Ir.-Tur.), (End., LR). **Muscari comosum** (L.) Mill. "morbaş", (25), 19.05.2009, ŞK 1154. **M. neglectum** Guss. ex Ten. "arapüzümü", (1), 30.03.2008, ŞK 93. **Ornithogalum montanum** Cirilo "dağ akyıldızı", (9), 03.05.2009, ŞK 1019. **O. narbonense** L. "akbaldır", (13), 18.05.2008, ŞK 329, (Medit.). **O. sphaerocarpum** A.Kern. "salkım sakarca", (10), 28.05.2009, ŞK 1230.

COLCHICACEAE/ACIÇİĞDEMİLLER (1/1)

Colchicum triphyllum Kunze "öksüzali", (14), 30.03.2008, ŞK 102, (Medit.).

CYPERICACEAE/HASİROTUGİLLER (3/5)

Carex distans L. subsp. **distans** "sina ayakotu", (10), 28.05.2009, ŞK 1234. **C. divisa** Huds. "zevzirçimeni", (10), 28.05.2009, ŞK 1240. **C. nigra** (L.) Reichard subsp. **dacica** (Heuff.) Soó "rumen ayakotu", (3), 28.05.2009, ŞK 1259. **Cyperus capitatus** Vand. "şehvetotu", (3), 28.05.2009, ŞK 1260. **Scirpoides holoschoenus** (L.) Sojak subsp. **holoschoenus** "vurla", (10), 28.05.2009, ŞK 1243.

IRIDACEAE/SÜSENGİLLER (3/9)

Crocus biflorus Mill. subsp. **tauri** (Maw) B.Mathew "berfan", (14), 30.03.2008, ŞK 101, (Ir.-Tur.). **C. cancellatus** Herb. subsp. **damescanus** (Herb.) B.Mathew "pivok", (14), 9.11.2008, ŞK 870, (Ir.-Tur.). **C. pallasii** Goldb. subsp. **pallasii** "güzçimi", (14), 29.11.2008, ŞK 872. **Gladiolus atrovioleaceus** Boiss. "kıraç süseni", (9), 18.05.2008, ŞK 293, (Ir.-Tur.). **G. italicus** Mill. "kılıçotu", (2), 13.05.2009, ŞK 1045. ***Iris x germanica** L. "göksüsen", (8), 13.05.2009, ŞK 1056. **I. persica** L. "buzala", (29), 30.03.2008, ŞK 107, (Ir.-Tur.). **I. sari** Schott ex Baker "ana kurtkulağı", (13), 18.05.2008, ŞK 134, (Ir.-Tur.), (End., LR). **I. schachtii** Markgr "kır süseni", (23), 28.05.2009, ŞK 1343, (End., LR).

IXIOLIRIACEAE/KÖPEKOTUGİLLER (1/1)

Ixiolirion tataricum (Pallas) Herben var. **tataricum** "köpekotu", (7), 03.05.2009, ŞK 981.

JUNCACEAE/KOFAGİLLER (1/1)

Juncus inflexus L. subsp. **inflexus** "sazak", (3), 28.05.2009, ŞK 1280.

LILIACEAE/ZAMBAKGİLLER (3/7)

Fritillaria assyriaca Baker subsp. **assyriaca** "donuk lale", (1), 18.05.2008, ŞK 156. **F. pinardii** Boiss. "mahçup lâle", (30), 13.04.2009, ŞK 969. **Gagea fibrosa** (Desf.) Schult. & Schult.f. "tellisarı", (31), 23.04.09, ŞK 948. **G. glacialis** K.Koch "buz yıldızı", (31), 23.03.2009, ŞK 889, (Ir.-Tur.). **G. granatelli** (Parl.) Parl. "yedi yıldız", (13), 30.03.2008, ŞK 100, (Medit.). **G. taurica** Steven "bozkır yıldızı", (11), 13.04.2009, ŞK 907, (Ir.-Tur.). **Tulipa armena** Boiss. var. **armena** "dağ lâlesi", (19), 13.05.2009, ŞK 1073, (Ir.-Tur.).

ORCHIDACEAE/SALEPGİLLER (1/1)

Orchis palustris Jacq. subsp. **palustris** "çayır salebi", (25), 28.05.2009, ŞK 1301.

POACEAE/BUĞDAYGİLLER (28/58)

Aegilops biuncialis Vis. "ikikılçık", (8), 18.05.2008, ŞK 256. **A. cylindrica** Host. "kirpikli ot", (10), 28.05.2009, ŞK 1251, (Ir.-Tur.). **A. geniculata** Roth. "konbaş", (13), 06.07.2008, ŞK 668. **A. umbellulata** Zhuk. "hanım buğdayı", (16), 13.06.2008, ŞK 358, (Ir.-Tur.). **Agrostis gigantea** Roth. "koca tavusotu", (24), Sorger 77-101-14, (Euro.-Sib.). **Amblyopyrum muticum** (Boiss.) Eig., var. **muticum** "narın buğday", (29), 14.07.1906, B.Post. **Arhenatherum elatius** (L.) P.Beauv. var. **elatius** "çayır yulafı", (8), 28.05.2009, ŞK 1176, (Euro.-Sib.). **Avena barbata** Pott ex Link subsp. **barbata** "narın yulaf", (16), 13.06.2008, ŞK 389, (Medit.). **A. eriantha** Durieu "koru yulafı", (9), 06.06.2009, ŞK 1201. **A. wiesti** Steudel "farazotu", (9), 06.06.2009, ŞK 1371. **Brachypodium distachyon** (L.) P.Beauv "tekkılcan", (2), ŞK 13.05.2009, ŞK 1089. **Briza maxima** L. "kuşyüreği", (10), 28.05.2009, ŞK 1232. **Bromus danthoniae** Trin. subsp. **danthoniae** "ibubukotu", (4), McNeill 431. **B. erectus** Hudson "dik brom", (32), 06.07.2008, ŞK 531. **B. hordeaceus** L. subsp. **hordeaceus** "başakotu", (18), 13.06.2008, ŞK 464. **B. intermedius** Guss. "damiyeotu", (32), 06.07.2008, ŞK 553. **B. japonicus** Thunb. subsp. **japonicus** "iyeotu", (8), 18.05.2008, ŞK 258. **B.**

scoparius L. "ibubuk ekini", (3), ŞK 1263. **B. sterilis** L. "sağır ilcan", (32), 06.07.2008, ŞK 551. **B. tectorum** L. "kır bromu", (12), 18.05.2008, ŞK 216. **B. tomentellus** Boiss. subsp. **tomentellus** "bozkır bromu" (10), 24.04.2013 ŞK 3703, (Ir.-Tur.). **Calamagrostis epigejos** (L.) Roth. "bekârotu", (10), 28.05.2009, ŞK 1246. **C. pseudophragmites** (Hall.) Koeler "sazçimi", (22), 06.07.2008, ŞK 611, (Euro.-Sib.). **Dactylis glomerata** subsp. **glomerata** "domuzayrığı", (16), 13.06.2008, ŞK 383. **Daschampsia caespitosa** (L.) P.Beauv. "çayırşacı", (9), 06.06.2009, ŞK 1372. **Echinaria capitata** (L.) Desf. "dikenbaşotu", (10), 28.05.2009, ŞK 1207. **Elymus erosiglumis** Melderis "özge buğday", (23), 06.07.2008, ŞK 598, (Ir.-Tur.), (End., LR). **Eremopyrum orientale** (L.) Jaup & Stach "acem tarağı", (9), 28.05.2009, ŞK 1184, (Ir.-Tur.). **Festuca anatolica** Markgr.-Dann. subsp. **anatolica** "yurt yumağı", (32), 06.06.2009, ŞK 1466, (End., LR). **F. arundinacea** Schreb. subsp. **arundinacea** "kamuş yumağı", (25), 28.05.2009, ŞK 1290. **Hordeum bulbosum** L. "boncuk arpa", (10), 24.04.2013 ŞK 3700. **H. murinum** L. "pisipisiotu", (8), 18.05.2008, ŞK 255. **H. spontaneum** K.Koch "yabani arpa", (30), 06.07.2008, ŞK 628. **H. vulgare** L. "arpa", (4), 13.05.2009, ŞK 1090. **Koeleria eriostachya** Pan i "yayla kırnalı", (3), 28.09.2009 ŞK 1265. **Lolium subulatum** (Banks & Sol.) Eig "köseçim", (12), 03.05.2013 ŞK 3855, (Ir.-Tur.). **Melica ciliata** L. subsp. **ciliata** "kırpikli inci", (13), 06.07.2008, ŞK 647. **M. penicillaris** Boiss. & Balansa "sülün inceotu", (30), 06.07.2008, ŞK 630, (Ir.-Tur.). **M. persica** Kunth subsp. **persica** "acem inciotu", (16), 13.06.2008, ŞK 352. **Phleum boissieri** Bornm. "yayla itkuyruğu", (29), 14.07.1906, B.Post, (Ir.-Tur.). **P. exaratum** Griseb. "meşe itkuyruğu", (20), 12.05.2007, ŞK 90. **P. montanum** C.Koch subsp. **montanum** "dağ itkuyruğ", (33), 06.06.2009, ŞK 1448. **P. pratense** L. "çayır itkuyruğu", (20), 13.06.2008, ŞK 465, (Euro.-Sib.). **Phragmites australis** (Cav.) Trin. ex Steud. "kamuş", (10), 28.05.2009, ŞK 1244, (Euro.-Sib.). **Poa alpina** L. susp. **fallax** F.Herm. "yayla salkımotu", (13), 16.04.2008, ŞK 135. **P. bulbosa** L. "yumrulu salkım", (20), 12.05.2007, ŞK 91. **P. timoleontis** Heldr. ex Boiss. "gür salkımotu", (2), 13.05.2009, ŞK 1050. **P. trivialis** L. "kaba salkımotu", (24), Sorger, 77-101-16. **Setaria glauca** (L.) P.Beauv."siğansaçı",

(9), 10.06.2015, ŞK 6090. ***S. italica** (L.) P.Beauv. "kırpi darısı", (23), 06.07.2008, ŞK 573. **S. viridis** (L.) P.Beauv. "yeşil siçanotu", (16), 22.09.2008, ŞK 793. **Stipa ehrenbergiana** Trin. & Rupr. "sorguçuotu", (24), Sorger 71-50-29, (Ir.-Tur.). **S. holosericea** Trin. "dirgen kılaç", (16), 13.06.2008, ŞK 436, (Ir.-Tur.). **Taeniatherum caput-medunsa** subsp. **asper** (Simonk.) Melderis "eğri kılçık", (10), 28.05.2009, ŞK 1238, (Ir.-Tur.). ***Triticum aestivum** L. "ekmeklik buğday", (16), 13.06.2008, ŞK 388. **Vulpia ciliata** Dumort "kırpikliçim", (26), Stn. & Hend. 5247. **V. persica** (Boiss & Buhse) Krecz. & Bobrov "acem kırpikliçimi", (10), 28.05.2009, ŞK 1236, (Ir.-Tur.). ***Zea mays** L. subsp. **mays** "mısır", (1), 19.07.2008, ŞK 699.

POTAMOGETONACEAE/SUSÜMBÜLÜGİLLER (2/2)

Groenlandia densa J.Gay "suteleği", (24), Sorger 77-101-27. **Stuckenia pectinatus** (L.) Börner "sutarağı", (9), McNeill 453.

TYPHACEAE/SAZGİLLER (2/3)

Sparganium erectum L. subsp. **erectum** "kındıra", (8), 19.07.2008, ŞK 738, (Euro.-Sib.). **Typha minima** Funck "aksaz", (10), 28.05.2009, ŞK 1241. **T. shuttleworthi** W.D.J.Koch & Sond. "puf sazi", (8), 28.05.2008, ŞK 250.

XANTHORRHOEACEAE/ÇİRİŞGİLLER (2/6)

Asphodeline brevicaulis (Bertol.) J.Gay ex Baker subsp. **brevicaulis** "çirişine", (21), 13.06.2008, ŞK 506. **A. damascena** (Boiss.) Baker. subsp. **damascena** "çekiçlik", (13), 18.05.2008, ŞK 282, (Ir.-Tur.). **A. damascena** (Boiss.) Baker. subsp. **rugosa** E. Tuzlacı "elbizotu", (23), 06.07.2008, ŞK 599, (E. Medit.), (End., LR). **A. taurica** (Pall.) Endl. "kılçiriş", (33), 06.06.2009, ŞK 1458, (E. Medit.). **A. tenuior** (Fisch. ex Bieb.) Ledeb. subsp. **tenuiflora** (K.Koch) Tuzlacı var. **tenuiflora** "tesbihcik", (4), Tuzlacı, (Ir.-Tur.). **Eremurus cappadocicus** J.Gay ex Baker "mor çiriş", (18), Hub.-Mor. 16032, (Ir.-Tur.). **E. spectabilis** M.Bieb. "çiriş", (31), 19.05.2009, ŞK 1143, (Ir.-Tur.).

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