



The flora of Kaş Plateau and its surroundings (Anamur – Mersin/Turkey)

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Abstract

This research has been made to determine the flora of Kaş Plateau and its surroundings (Anamur - Mersin). The research area is in the C4 square according to the grid system. As a result of the examination of 840 plants specimens which were collected from the research area between 2006-2008, 470 taxa that belong to 73 families and 279 genera have been determined. In the research area the number of endemic taxa is 62 (13.2%). The phytogeographic region of plants in this area are represented as follows; Mediterranean 33.6%, Irano-Turanian 10.2%, Euro-Siberian 4.3%.

Key words: Flora, Kaş Plateau, Anamur, Mersin, Turkey

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Kaş Yaylası ve çevresinin (Anamur - Mersin) florası

Özet

Bu araştırma Kaş Yaylası ve çevresinin (Anamur - Mersin) florasını tespit etmek için yapılmıştır. Araştırma alanı kareleme sistemine göre C4 karesi içerisinde yer almaktadır. Çalışma alanından 2006-2008 yılları arasında toplanan 840 bitki örneğinin değerlendirilmesi sonucu 73 familyaya ait 470 takson ve 279 cins tespit edilmiştir. Çalışma alanındaki endemik takson sayısı 62 (% 13.2)'dir. Bitkilerin fitocoğrafik bölgelere göre dağılımları şöyledir: Akdeniz elementi % 33.6, İran-Turan elementi % 10.2, Avrupa-Sibirya elementi % 4.3'dür.

Anahtar kelimeler: Flora, Kaş Yaylası, Anamur, Mersin, Türkiye

1. Introduction

The research area locate in Anamur-Ermenek highway 42nd kilometers north of the district of Anamur and is in square C4, according to the grid system used in the Flora of Turkey (Davis, 1965-1985). The study area is situated between 32°52'36" / 32°55'44" E longitude and between 36°09'94" / 36°14'80" N latitude. The region is located in the south of Teketaşı Hill, in the north of Sülmen Hill and Ormancık, in the east of Kınalı Hill and in the west of Narağacı and Tombul Hill (Figure 1). The altitude of the area ranges from 150 m to 1675 m.

There have been no previous studies on the flora of the Kaş Plateau. This area was selected for the research because it was not thoroughly studied and has some interesting characteristics, in terms of both flora and phytogeography. The research area has a mediterranean climate. According to Emberger the precipitation-temperature coefficient (Q) is 67.4 (Akman, 1990). According to this value Anamur is in mediterranean climate less rainfall and take part in bioclimatic zone where winter is very cold. Annual mean temperature is 19.2 °C. The maximum mean temperature (M) is 33.5 °C. The minimum mean temperature (m) is 5.8 °C (Table 1). Annual rainfall is about 965.6 mm and the seasonal precipitation regime is winter, autumn, spring and summer (MIM, 2002). The ombrothermic diagram shows dry and rainy months (Figure 2). As geological structure area is located between Alanya and Aladağ massifs (units). The tectonic unit is represented by pre-permian age calcshists, chloroschists, crystalized limestones (Yapıcı et

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al., 2003). The most common soil type in the research area is the red podzolic soil (Doğu Akdeniz havzası toprakları, 1974).



Figure 1. Map of the study area.

Table 1. Monthly – annual rainfall (mm) and temperature (°C) values of Anamur.

ANAMUR	OBSERVATION PERIOD	MONTHS												ANNUAL
		1	2	3	4	5	6	7	8	9	10	11	12	
Rainfall (mm)	55	199.4	150.1	102.6	46.7	24.8	4.7	0.3	0.7	7.4	75.4	124.4	229.1	965.6
Avr. Temp. (°C)	55	11.4	11.5	13.4	16.8	20.7	24.9	27.9	28.0	25.1	21.0	16.5	13.0	19.2
Max. Avr. Temp. (°C)	55	22.5	23.2	27.5	33.3	37.5	41.0	42.0	44.2	39.5	36.6	30.3	24.6	33.5
Min. Avr. Temp. (°C)	55	-1.4	-4.7	-0.7	3.4	8.6	12.2	16.2	15.8	10.8	8.0	2.3	0.7	5.9

2. Materials and methods

During fieldwork conducted between 2006 and 2008, 840 plant specimens were collected in the study area. The collected plant specimens were dried according to herbarium techniques, numbered and deposited in KNYA herbarium collection. The majority of the specimens were identified with the help of The Flora of Turkey and The East Aegean Islands (Davis, 1965-1985; Davis et al., 1988; Güner et al., 2000). Some of the identifications were checked in Flora Europaea (Tutin et al., 1964-1980), Flora Hellenica (Strid and Tan, 1997), Flora Iberica (Talavera, 1999) and Flora Iranica (Rechinger, 1965-1977). The herbarium of KNYA was used to check the specimens. All taxa in the floristic list are given according to the order in the Flora of Turkey (Davis, 1965-1985). The floristic elements are listed in the results. In the results, every species is represented with the following details: family and taxon name, authors of the species, geographical locations, habitats, altitudes, collection dates and collector numbers. In addition, endemism, IUCN threat categories (Ekim et al., 2000; IUCN, 2001), their phytogeographical regions and the life forms are given. The phytogeographical regions of the taxa were evaluated according to Flora of Turkey (Davis, 1965-1985; Davis et al.,

1988). Grid square and city name are not mentioned for each location because the study area is completely within the C4 Anamur (Mersin). Author abbreviations of plant names are given according to Brummitt and Powell (1992). The wild taxa were compared with floras of neighbouring areas (Sümbül and Erik, 1988a-1988b-1990a-1990b; Ertuğrul et al., 2002, Everest and Rauss, 2004, Düzenli and Çakan, 2001).

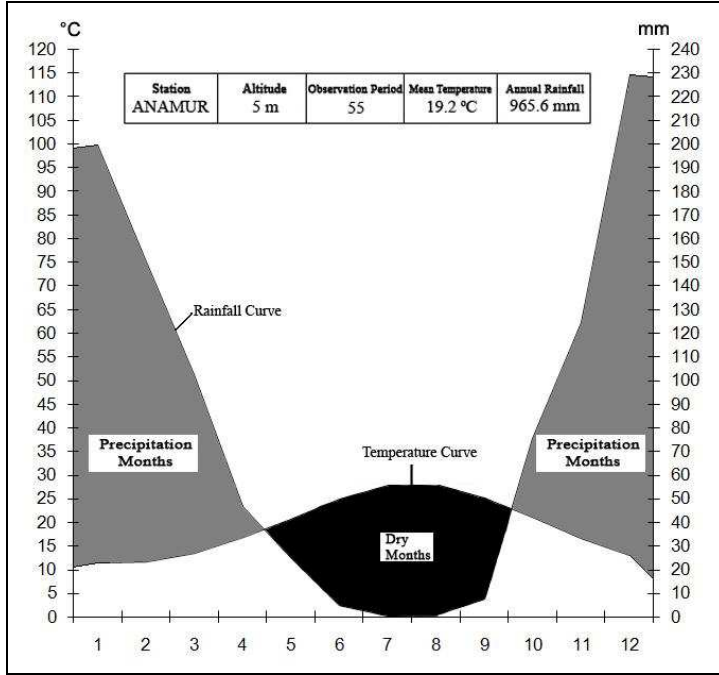


Figure 2. Ombrothermic diagrams of Anamur.

2.1. Abbreviations

The abbreviations used in the text and in the floristic list are as follows: Medit.: Mediterranean element; Ir-Tur.: Irano - Turanian element; Euro-Sib.: Euro-Siberian element; EN: Endangered; VU: Vulnerable; NT: Near threatened; LC: Least concern; H.: Hill; Th.: Therophyte; Hcrp.: Hemicryptophyte; Msph.: Mesophanerophyte; Mcph.: Microphanerophyte; Nph.: Nanophanerophyte; Crp.: Cryptophyte; Ch.: Chamaephyte; Vp.: Vascular parasite.

2.2. Vegetation

Forest, rocky and lower mountain steppe are the main vegetation types in the study area. In the study area, forest vegetation is characterised. Forest vegetation includes *Pinus brutia* Ten., *Abies cilicia* (Ant. & Kotschy) Carr. subsp. *isaurica* Coode & Cullen and *Cedrus libani* A. Rich. *Sedum album* L., *Umbilicus horizontalis* (Guss.) DC. subsp. *horizontalis*, *Micromeria myrtifolia* Boiss. & Hohen., *Thymus revolutus* Celak., *Paronychia argentea* Lam. var. *argentea*, *Ceterach officinarum* DC., *Pelargonium endlicherianum* Fenzl, *Valeriana dioscoridis* Sm., *Corydalis solida* (L.) Swartz subsp. *solida*, *Centaurea cheirolepidoides* Wagenitz, *Campanula glomerata* L. subsp. *hispida* (Witasek) Hayek and *Stachys lavandulifolia* Vahl var. *lavandulifolia* are commonly found in the rocky parts of the research area. Lower mountain steppe vegetation includes *Thlaspi ochroleucum* Boiss. & Heldr., *Arabis androsacea* Fenzl., *Barbarea minor* C.Koch var. *robusta* Coode & Cullen, *Astragalus oxytropifolius* Boiss., *A. angustifolius* Lam. subsp. *angustifolius* var. *angustifolius*, *A. hirsutus* Vahl and *Phlomis armeniaca* Willd.

3. Results

The Floristic List

PTERIDOPHYTA

EQUISETACEAE

Equisetum ramosissimum Desf.

Near Alaköprü, stream edge, 550 m, 18.05.2008, Yıldızıtugay 1966.

Widespread, Crp.

ASPLENIACEAE

Ceterach officinarum DC.

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 05.04.2007, Yıldızıtugay 1409.

Medit., Crp.

ASPIDACEAE

Dryopteris filix-mas (L.) Schott

Anamur – Ermenek main road, 18. km, in *Pinus* forest, 550 m, 17.05.2007, Yıldızıtugay 1665.

Crp.

SPERMATOPHYTA

GYMNOSPERMAE

PINACEAE

Abies cilicia (Ant. & Kotschy) Carr. subsp. *isaurica* Coode & Cullen

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2030.

Endemic, LC, Medit., Msph.

Cedrus libani A. Rich.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2032.

Medit., Msph.

Pinus brutia Ten.

Near Alaköprü, stony places, 550 m, 28.10.2008, Yıldızıtugay 2100.

Medit., Msph.

CUPRESSACEAE

Juniperus drupacea Lab.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2031.

Mcp.

J. oxycedrus L. subsp. *oxycedrus*

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2064.

Widespread, Mcph.

J. excelsa M.Bieb. subsp. *excelsa*

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2033.

Widespread, Mcph.

EPHEDRACEAE

Ephedra major Host

Atak Hill, stony places, 1450 m, 28.10.2008, Yıldızıtugay 2085.

Ch.

ANGIOSPERMAE

DICOTYLEDONAE

RANUNCULACEAE

Nigella arvensis L. var. *tauricola* P.H.Davis

Anamur – Ermenek main road, 20. km, roadsides, 570 m, 18.06.2008, Yıldızıtugay 2050.

Th.

Caltha polypetala Hochst. ex Lorent

Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1324.

Hcrp.

Anemone blanda Schott & Kotschy

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 01.03.2007, Yıldızıtugay 1351.

Crp.

A. coronaria L.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1305.

Medit., Crp.

Adonis flammea Jacq.

Kuruğağaç Hill, stony places, 300 m, 01.03.2007, Yıldızıtugay 1680.

Widespread, Th.

Ranunculus velutinus Ten.

Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1337.

Medit., Hcrp.

R. lanuginosus L.

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1978.

Euro-Sib., Hcrp.

R. cadmicus Boiss.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1929.

Crp.

R. millefolius Banks & Sol. subsp. *millefolius*

Near Alaköprü, stony and damp places, 550 m, 07.04.2008, Yıldızıtugay 1794.

Crp.

R. isthmicus Boiss. subsp. *isthmicus*

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1447.

Crp.

R. arvensis L.

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1702.

Widespread, Th.

Ceratocephalus testiculatus (Crantz) Roth

Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1823.

Th.

BERBERIDACEAE

Berberis crataegina DC.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1947.

Ir.-Tur., Nph.

PAPAVERACEAE

Glaucium leiocarpum Boiss.

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1979.

Widespread, Hcrp.

Roemeria hybrida (L.) DC. subsp. *hybrida*

Near Ortakonuş, stony places, 700 m, 18.06.2008, Yıldızıtugay 2065.

Widespread, Th.

Papaver rhoeas L.

Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 06.04.2007, Yıldızıtugay 1446.

Widespread, Th.

Hypocoum imberbe Sibth. & Sm.

Serin Hill, open places, 1500 m, 04.03.2008, Yıldızıtugay 1779.

Widespread, Th.

H. pendulum L.

Tombul Hill, stony places, 650 m, 08.04.2007, Yıldızıtugay 1554.

Widespread, Th.

Corydalis solida (L.) Swartz subsp. *solida*

Kaş Plateau, Deliktaş Cave around, rocky places, 1500 m, 05.04.2007, Yıldızıtugay 1413.

Crp.

Fumaria capreolata L.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1315.

Th.

F. officinalis L.

Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1328.

Th.

BRASSICACEAE

Raphanus raphanistrum L.

Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1326.

Th.

Conringia grandiflora Boiss. & Heldr.

Yığıltaş Hill, in *Pinus* forest, 1600 m, 07.04.2007, Yıldızıtugay 1498.

Endemic, LC, Medit., Hcrp.

Cardaria draba (L.) Desv. subsp. *chalepensis* (L.) O.E.Schulz

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1681.

Widespread, Hcrp.

Isatis tinctoria L. subsp. *tomentella* (Boiss.) P.H.Davis

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1723.

Hcrp.

Iberis attica Jord.

Anamur – Ermenek main road, 25. km, in *Pinus* forest, 670 m,

17.05.2007, Yıldızıtugay 1661.

Hcrp.

Thlaspi perfoliatum L.

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 05.04.2007, Yıldızıtugay 1405.

Widespread, Th.

T. ochroleucum Boiss. & Heldr.

Kaş Plateau, stony places, 1670 m, 07.04.2008, Yıldızıtugay 1825.

Hcrp.

Capsella bursa-pastoris (L.) Medik.

Kaş Plateau, roadside, 1670 m, 06.04.2007, Yıldızıtugay 1427.

Widespread, Th.

Fibigia eriocarpa (DC.) Boiss.

Kaş Plateau, stony places, 1675 m, 17.05.2007, Yıldızıtugay 1729.

Widespread, Hcrp.

Alyssum dasycarpum Steph. ex Willd.

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 160 m, 07.04.2008, Yıldızıtugay 1796.

Widespread, Th.

A. minus (L.) Rothm. var. **minus**

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1941.

Widespread, Th.

A. mouradicum Boiss. & Bal.

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1699.

Hcrp.

Clypeola jonthlaspi L.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 740 m, 07.04.2008, Yıldızıtugay 1820.

Widespread, Th.

C. ciliata Boiss.

Kaş Plateau, stony places, 1675 m, 17.05.2007, Yıldızıtugay 1717.

Endemic, EN, Th.

Draba muralis L.

Anamur – Ermenek main road, Karabahşişler Village entrance, roadsides, 150 m, 01.03.2007, Yıldızıtugay 1355.

Th.

Erophila verna (L.) Chevall. subsp. **verna**

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 05.04.2007, Yıldızıtugay 1403.

Th.

Arabis androsacea Fenzl.

Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1826; Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1930.

Endemic, LC, Hcrp.

A. deflexa Boiss.

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1697.

Medit., Hcrp.

A. ionocalyx Boiss.

Anamur – Ermenek main road, 24. km, in *Pinus* forest, 650 m, 07.04.2008, Yıldızıtugay 1813.

Medit., Hcrp.

A. caucasica Willd. subsp. **caucasica**

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1977-1980.

Widespread, Hcrp.

A. nova Vill.

Anamur – Ermenek main road, 35. km, rocky places, 1450 m, 05.04.2007, Yıldızıtugay 1415.

Th.

A. verna (L.) DC.

Anamur – Ermenek main road, 24. km, in *Pinus* forest, 650 m, 07.04.2008, Yıldızıtugay 1818.

Th.

A. aucheri Boiss.

Güney Bahşişler Village, Kesme Hill, stony places, 230 m, 06.04.2007, Yıldızıtugay 1457.

Th.

Turritis laxa (Sibth. & Sm.) Hayek

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1721.

Hcrp.

Nasturtium officinale R.Br.

Anamur – Ermenek main road, 21. km, roadside, 580 m, 07.04.2008, Yıldızıtugay 1803.

Widespread, Hcrp.

Barbarea minor C.Koch var. **robusta** Coode & Cullen

Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1827.

Hcrp.

Cardamine graeca L.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1307-1316.

Th.

C. hirsuta L.

Anamur – Ermenek main road, Karabahşişler Village entrance, roadsides, 150 m, 01.03.2007, Yıldızıtugay 1354.

Th.

Malcolmia chia (L.) DC.

Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 01.03.2007, Yıldızıtugay 1378.

Medit., Th.

Erysimum diffusum Ehrh.

Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 01.03.2007, Yıldızıtugay 1366.

Euro-Sib., Hcrp.

Sisymbrium officinale (L.) Scop.

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1958.

Widespread, Th.

CAPPARACEAE

Capparis spinosa L. var. **spinosa**

Near Alaköprü, in *Pinus* forest, 540 m, 18.08.2008, Yıldızıtugay 2074.

Nph.

RESEDACEAE

Reseda lutea L. var. **lutea**

Near Alaköprü, roadsides, 540 m, 18.08.2008, Yıldızıtugay 1997.

Widespread, Hcrp.

CISTACEAE

Cistus creticus L.

Near Alaköprü, in *Pinus* forest, 540 m, 01.03.2007, Yıldızıtugay 1397.

Medit., Nph.

C. salviifolius L.

Anamur – Ermenek main road, 26. km, roadsides, 740 m, 09.04.2007, Yıldızıtugay 1599.

Nph.

Helianthemum salicifolium (L.) Mill.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 740 m, 07.04.2008, Yıldızıtugay 1816.

Th.

Fumana arabica (L.) Spach var. **arabica**

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1669.

Hcrp.

Tuberaria guttata (L.) Fourr. var. **plantaginea** (Willd.) Gross.

Near Alaköprü, meadows, 550 m, 01.03.2007, Yıldızıtugay 1309.

Th.

VIOLACEAE

Viola modesta Fenzl.

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 05.04.2007, Yıldızıtugay 1407.

Th.

V. pentadactyla Fenzl

Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1822.

Th.

V. kitaibeliana Roem. & Schult.

Kaş Plateau, under forest, 1600 m, 17.05.2007, Yıldızıtugay 1678.

Th.

PORTULACACEAE

Portulaca oleracea L.

Kaş Plateau, field edge, 1580 m, 28.10.2008, Yıldızıtugay 2081.

Th.

CARYOPHYLLACEAE

Arenaria pamphylica Boiss. & Heldr. subsp. **pamphylica** var. **turcica** McNeill

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2014.

Endemic, VU, Th.

A. pamphylica Boiss. & Heldr. subsp. **alpestris** (McNeill) McNeill

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1679.

Endemic, LC, Medit., Th.

A. macrosepala Boiss.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1308.

Th.

Minuartia hamata (Hausskn.) Mattf.

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1685.

Medit., Th.

M. mesogitana (Boiss.) Hand. –Mazz. subsp. **mesogitana**

Anamur – Ermenek main road, Ormancık Village around, stony places, 250 m, 01.03.2007, Yıldızıtugay 1340.

Medit., Th.

- M. mesogitana** (Boiss.) Hand.-Mazz. subsp. **kotschyana** (Boiss.) McNeill
Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 01.03.2007, Yıldızıtugay 1363.
Th.
- M. hybrida** (Vill.) Schischk subsp. **hybrida**
Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1632.
Th.
- M. mediterranea** (Ledeb.) K.Maly
Anamur – Ermenek main road, 32. km, rocky places, 1450 m, 05.04.2007, Yıldızıtugay 1419.
Medit., Th.
- Stellaria media** (L.) Vill. subsp. **postii** Holmboe
Near Alaköprü, stony and damp places, 550 m, 01.03.2007, Yıldızıtugay 1313.
Th.
- S. cilicica** Boiss. & Ball.
Anamur – Ermenek main road, 32. km, rocky places, 1450 m, 05.04.2007, Yıldızıtugay 1478.
Th.
- Cerastium anomalum** Waldst. & Kit.
Anamur – Ermenek main road, 21. km, rocky places, 580 m, 07.04.2008, Yıldızıtugay 1808.
Th.
- C. dichotomum** L. subsp. **dichotomum**
Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1707.
Th.
- C. dichotomum** L. subsp. **inflatum** (Link) Cullen
Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1711.
Th.
- C. glomeratum** Thuill.
Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1422.
Th.
- C. brachypetalum** Pers. subsp. **roeseri** (Boiss. & Heldr.) Nyman
Kaş Plateau, stony places, 1575 m, 09.04.2008, Yıldızıtugay 1872.
Medit., Th.
- C. illyricum** Ard. subsp. **comatum** (Desv.) P.D.Sell & Whitehead
Anamur – Ermenek main road, 32. km, rocky places, 1450 m, 05.04.2007, Yıldızıtugay 1420.
Medit., Th.
- Holosteum umbellatum** L. var. **umbellatum**
Anamur – Ermenek main road, 26. km, in *Pinus* forest, 740 m, 07.04.2008, Yıldızıtugay 1819.
Th.
- Spargularia marina** (L.) Gris.
Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 01.03.2007, Yıldızıtugay 1360.
Widespread, Th.
- Telephium imperati** L. subsp. **orientale** (Boiss.) Nyman
Kaş Plateau, roadsides, 1600 m, 17.05.2007, Yıldızıtugay 1720.
Hcrp.
- Dianthus leucophaeus** Sibth. & Sm. var. **patens** Reever
Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2020.
Hcrp.
- Petrorhagia velutina** (Guss.) Ball & Heywood
Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 01.03.2007, Yıldızıtugay 1367.
Hcrp.
- Velezia rigida** L.
Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1981.
Medit., Th.
- V. pseudorigida** Hub.-Mor.
Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1672.
Endemic, VU, Medit., Th.
- Silene cappadocica** Boiss. & Heldr.
Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2018.
Ir.-Tur., Hcrp.
- S. spergulifolia** (Desf.) M.Bieb.
Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1696.
Hcrp.
- S. vulgaris** (Moench) Garcke var. **vulgaris**
Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 06.04.2007, Yıldızıtugay 1460.
Hcrp.
- S. balansae** Boiss.
Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2037.
Endemic, EN, Ir.-Tur., Hcrp.
- S. rigidula** Sibth. & Sm.
Anamur – Ermenek main road, Ormancık Village around, stony places, 250 m, 01.03.2007, Yıldızıtugay 1339.
Medit., Hcrp.
- S. aegyptiaca** (L.fil.) subsp. **aegyptiaca**
Anamur – Ermenek main road, 32. km, rocky places, 1450 m, 05.04.2007, Yıldızıtugay 1417; Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1703.
Th.
- S. behen** L.
Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1319.
Th.
- S. dichotoma** Ehrh. subsp. **euxina** (Rupr.) Coode & Cullen
Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 2007.
Euro-Sib., Hcrp.
- S. pompeiopolitana** Gay ex Boiss.
Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1649.
Endemic, VU, Medit., Th.
- S. gallica** L.
Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 01.03.2007, Yıldızıtugay 1349.
Th.
- S. conoidea** L.
Sevgi Water Park around, in *Pinus* forest, 265 m, 06.04.2007, Yıldızıtugay 1471.
Th.
- Agrostemma githago** L.
Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 06.04.2007, Yıldızıtugay 1424.
Th.
- ILLECEBRACEAE**
- Herniaria incana** Lam.
Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1944.
Hcrp.
- Paronychia argentea** Lam. var. **argentea**
Kaş Plateau, rocky places, 1575 m, 08.04.2007, Yıldızıtugay 1530.
Medit., Hcrp.
- POLYGONACEAE**
- Polygonum salebrosum** Coode & Cullen
Kaş Plateau, stony places, 1605 m, 28.10.2008, Yıldızıtugay 2090.
Endemic, LC, Hcrp.
- Rumex acetosella** L.
Kaş Plateau, roadsides, 1570 m, 17.05.2008, Yıldızıtugay 1907.
Hcrp.
- TAMARICACEAE**
- Tamarix parviflora** DC.
Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1731.
Medit., Mcph.
- HYPERICACEAE**
- Hypericum lanuginosum** Lam. var. **lanuginosum**
Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1988.
Hcrp.
- H. lanuginosum** Lam. var. **scabrellum** (Boiss.) Robson
Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1629.
Endemic, LC, Medit., Hcrp.
- H. olympicum** L. subsp. **olympicum**
Near Alaköprü, in *Pinus* forest, 540 m, 10.08.2008, Yıldızıtugay 2069.
Medit., Hcrp.
- H. polyphyllum** Boiss. & Bal. subsp. **lycium** Robson & Hub.-Mor.
Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1602.
Endemic, LC, Medit., Hcrp.
- MALVACEAE**
- Alcea pallida** Waldst. & Kit.
Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1617.
Ch.
- LINACEAE**
- Linum nodiflorum** L.
Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1673.
Medit., Th.
- L. strictum** L. var. **strictum**

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1650.

Th.

L. bienne Mill.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1674.

Medit., Hcrp.

GERANIACEAE

Geranium lucidum L.

Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1318.

Th.

G. purpureum Vill

Sevgi Water Park around, in *Pinus* forest, 265 m, 06.04.2007, Yıldızıtugay 1472.

Th.

G. rotundifolium L.

Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1321.

Th.

G. molle L. subsp. **molle**

Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 160 m, 07.04.2008, Yıldızıtugay 1799.

Th.

G. stepporum P.H.Davis

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1945.

Ir.-Tur., Crp.

Erodium moschatum (L.) L'Herit.

Near Alaköprü, stony and damp places, 550 m, 01.03.2007, Yıldızıtugay 1310.

Medit., Th.

E. acaule (L.) Bech. & Thell.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1932.

Th.

Pelargonium endlicherianum Fenzl

Kaş Plateau, rocky places, 1605 m, 17.06.2008, Yıldızıtugay 2011.

Hcrp.

OXALIDACEAE

Oxalis corniculata L.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1317.

Th.

VITACEAE

Vitis vinifera L.

Kaş Plateau, field edge, 1570 m, 18.06.2008, Yıldızıtugay 2102.

Mcp.

RHAMNACEAE

Paliurus spina-christi Mill.

Near Alaköprü, stony places, 550 m, 18.05.2008, Yıldızıtugay 1920.

Ch.

ANACARDIACEAE

Cotinus coggyria Scop.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 07.04.2007, Yıldızıtugay 1504.

Ch.

Rhus coriaria L.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1987.

Medit., Ch.

Pistacia terebinthus L. subsp. **palaestina** (Boiss.) Engl.

Kaş Plateau, stony places, 1610 m, 18.06.2008, Yıldızıtugay 2053.

Medit., Mcph.

FABACEAE

Cercis siliquastrum L. subsp. **siliquastrum**

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1996.

Mcp.

Acacia retinoides Schlecht.

Near Alaköprü, roadsides, 540 m, 18.08.2008, Yıldızıtugay 2079.

Medit., Mcph.

Genista acanthoclada DC.

Near Alaköprü, roadsides, 540 m, 108.04.2007, Yıldızıtugay 1549.

Medit., Ch.

Spartium junceum L.

Kaş Plateau, stony places, 1610 m, 17.05.2007, Yıldızıtugay 1732.

Medit., Nph.

Lupinus angustifolius L. subsp. **angustifolius**

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1431.

Hcrp.

Robinia pseudoacacia L.

Ovabaşı Village, roadsides, 230 m, 07.04.2007, Yıldızıtugay 1502.

Mcp.

Colutea cilicica Boiss. & Bal.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1990.

Widespread, Nph.

Astragalus oxytropifolius Boiss.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1928.

Endemic, LC, Ir.-Tur., Hcrp.

A. depressus L.

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1733.

Hcrp.

A. condensatus Ledeb.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2024.

Endemic, LC, Ir.-Tur., Hcrp.

A. anthylloides Lam.

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1689.

Endemic, Ir.-Tur., Hcrp.

A. odoratus Lam.

Ovabaşı Village, roadsides, 230 m, 07.04.2007, Yıldızıtugay 1484.

Hcrp.

A. hirsutus Vahl

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1687.

Endemic, LC, Hcrp.

A. angustifolius Lam. subsp. **angustifolius** var. **angustifolius**

Kaş Plateau, under *Abies*, 1600 m, 17.05.2007, Yıldızıtugay 1677.

Ch.

Vicia cracca L. subsp. **cracca**

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1652.

Euro-Sib., Hcrp.

V. cracca L. subsp. **stenophylla** Vel.

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1428.

Widespread, Hcrp.

V. cypria Kotschy ex Unger & Kotschy

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1706.

Th.

V. pubescens (DC.) Link.

Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1834.

Medit., Th.

V. hybrida L.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1329.

Medit., Th.

V. lathyroides L.

Anamur – Ermenek main road, 21. km, rocky places, 580 m, 07.04.2008, Yıldızıtugay 1806.

Th.

V. sativa L. subsp. **nigra** (L.) Ehrh. var. **nigra**

Anamur – Ermenek main road, 21. km, stony places, 580 m, 08.04.2007, Yıldızıtugay 1553.

Th.

V. narbonensis L. var. **narbonensis**

Ovabaşı Village, field edge, 230 m, 07.04.2007, Yıldızıtugay 1483.

Th.

Lathyrus pratensis L.

Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 06.04.2007, Yıldızıtugay 1452.

Euro-Sib., Hcrp.

L. tuberosus L.

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1639.

Euro-Sib., Crp.

L. cicera L.

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1637.

Th.

L. sativus L.

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 160 m, 07.04.2008, Yıldızıtugay 1801.

- Widespread, Th.
L. stenophyllus Boiss. & Heldr.
 Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 06.04.2007, Yıldızıtugay 1453.
 Medit., Th.
Pisum sativum L. subsp. **sativum** var. **sativum**
 Ovabaşı Village, field edge, 230 m, 07.04.2007, Yıldızıtugay 1467.
 Th.
Trifolium repens L. var. **macrorrhizum** (Boiss.) Boiss.
 Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1714.
 Hcrp.
T. speciosum Willd.
 Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1710.
 Medit., Th.
T. campestre Schreb.
 Sevgi Water Park around, in *Pinus* forest, 265 m, 06.04.2007, Yıldızıtugay 1470.
 Widespread, Th.
T. spumosum L.
 Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1432.
 Medit., Th.
T. fragiferum L. subsp. **fragiferum**
 Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 01.03.2007, Yıldızıtugay 1369.
 Hcrp.
T. purpureum Lois. var. **pamphylicum** (Boiss. & Heldr.) Zoh.
 Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 06.04.2007, Yıldızıtugay 1582.
 Medit., Th.
Melilotus officinalis (L.) Desr.
 Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 06.04.2007, Yıldızıtugay 1544.
 Widespread, Th.
M. alba Desr.
 Anamur – Ermenek main road, 28. km, roadsides, 750 m, 17.05.2007, Yıldızıtugay 1690.
 Widespread, Th.
Trigonella brachycarpa (Fisch.) Moris
 Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1713.
 Ir.-Tur., Th.
T. spruneriana Boiss. var. **spruneriana**
 Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1439.
 Ir.-Tur., Th.
T. spruneriana Boiss. var. **sibthorpii** (Boiss.) Hub.–Mor.
 Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1694.
 Medit., Th.
T. cylindracea Desv.
 Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1712.
 Medit., Th.
T. crassipes Boiss.
 Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1716.
 Ir.-Tur., Th.
T. cariensis Boiss.
 Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1663.
 Medit., Th.
Medicago coronata (L.) Bart.
 Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1346.
 Medit., Th.
M. minima (L.) Bart. var. **minima**
 Near Alaköprü, roadsides, 550 m, 09.04.2007, Yıldızıtugay 1592.
 Widespread, Th.
M. polymorpha L. subsp. **polymorpha**
 Ovabaşı Village, roadsides, 230 m, 07.04.2007, Yıldızıtugay 1482.
 Th.
Dorycnium pentaphyllum Scop. subsp. **haussknechtii** (Boiss.) Gams
 Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1983.
 Endemic, LC, Ir.-Tur., Hcrp.
Lotus ornithopodioides L.
 Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 08.04.2007, Yıldızıtugay 1540.
 Medit., Hcrp.
L. aegaeus (Gris.) Boiss.
 Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2025.
 Ir.-Tur., Hcrp.
Anthyllis tetraphylla L.
 Kaş Plateau, stony places, 1605 m, 07.04.2007, Yıldızıtugay 1496.
 Medit., Th.
Securigera securidaca (L.) Degen & Dörf.
 Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1666.
 Th.
Coronilla parviflora Willd.
 Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1639.
 Medit., Th.
C. grandiflora Boiss.
 Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1608.
 Endemic, LC, Medit., Hcrp.
Ornithopus compressus L.
 Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1835.
 Medit., Th.
Onobrychis montana DC. subsp. **cadmea** (Boiss.) P.W.Ball
 Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1624.
 Widespread, Hcrp.
O. armena Boiss. & Huet
 Near Alaköprü, stony places, 550 m, 09.04.2007, Yıldızıtugay 1568.
 Endemic, LC, Widespread, Hcrp.
O. oxyodonta Boiss.
 Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1953.
 Widespread, Hcrp.
Ebenus laguroides Boiss. var. **cilicica** (Boiss.) Bornm.
 Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2012.
 Endemic, LC, Ir.-Tur., Hcrp.
Bituminaria bituminosa (L.) C.H.Stirt.
 Kaş Plateau, stony places, 1605 m, 07.04.2007, Yıldızıtugay 1490.
 Ch.
ROSACEAE
Prunus x domestica L.
 Kaş Plateau, roadsides, 1605 m, 17.06.2008, Yıldızıtugay 2034.
 Mcph.
Rubus sanctus Schreb.
 Near Alaköprü, under forest, 550 m, 10.08.2008, Yıldızıtugay 2062.
 Widespread, Ch.
Potentilla kotschyana Fenzl
 Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1693.
 Medit., Hcrp.
P. aurea L. subsp. **chrysocraspeda** (Lehm.) Nyman
 Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1971.
 Hcrp.
Sanguisorba minor Scop. subsp. **muricata** (Spach) Briq.
 Ovabaşı Village, roadsides, 230 m, 07.04.2007, Yıldızıtugay 1481.
 Widespread, Hcrp.
Crataegus orientalis Pall. ex M.Bieb. var. **orientalis**
 Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1993.
 Widespread, Mcph.
MYRTACEAE
Myrtus communis L. subsp. **communis**
 Anamur – Ermenek main road, Sevgi Water Park around, stony places, 210 m, 28.10.2008, Yıldızıtugay 2097.
 Mcph.
Eucalyptus camaldulensis Dehnh.
 Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 06.04.2007, Yıldızıtugay 1426.
 Msph.
PUNICACEAE
Punica granatum L.
 Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 160 m, 17.06.2008, Yıldızıtugay 1994.
 Mcph.
CRASSULACEAE
Umbilicus horizontalis (Guss.) DC. subsp. **horizontalis**
 Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1833.
 Hcrp.
Sedum album L.
 Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2019.
 Hcrp.
APIACEAE
Eryngium creticum Lam.
 Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2035.
 Medit., Hcrp.
Lagoecia cuminoides L.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1609. Medit., Th.

Scandix pecten-veneris L.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1327. Widespread, Th.

S. australis L. subsp. **grandiflora** (L.) Thell.

Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 160 m, 07.04.2008, Yıldızıtugay 1797. Th.

Bunium microcarpum (Boiss.) Freyn subsp. **microcarpum**

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1950. Medit., Crp.

Bupleurum rotundifolium L.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1667. Th.

Ferula communis L. subsp. **communis**

Kaş Plateau, stony places, 1575 m, 07.04.2007, Yıldızıtugay 1514. Medit., Hcrp.

F. lycia Boiss.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2028. Endemic, LC, Ir.-Tur., Hcrp.

Tordylium aegaeum Runem.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 2000. Medit., Th.

Ainsworthia trachycarpa Boiss.

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1430. Medit., Th.

Torilis arvensis (Huds.) Link subsp. **elongata** (Hoffm. & Link) Cannon.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1984. Medit., Th.

T. japonica (Houtt.) DC.

Sevgi Water Park around, in *Pinus* forest, 265 m, 06.04.2007, Yıldızıtugay 1479. Th.

T. ucranica Spreng.

Near Alaköprü, stony places, 550 m, 07.04.2007, Yıldızıtugay 1493. Th.

Caucalis platycarpus L.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1614. Th.

Turgenia latifolia (L.) Hoffm.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1951. Widespread, Th.

Daucus carota L.

Anamur – Ermenek main road, 26. km, stony places, 600 m, 17.06.2008, Yıldızıtugay 1998 10.08.2008, Yıldızıtugay 2060. Hcrp.

VALERIANACEAE

Valeriana dioscoridis Sm.

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1709. Medit., Hcrp.

Valerianella locusta (L.) Laterr.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 740 m, 07.04.2008, Yıldızıtugay 1811. Euro-Sib., Th.

V. coronata (L.) DC.

Kaş Plateau, rocky places, 1675 m, 08.04.2007, Yıldızıtugay 1562. Widespread, Th.

DIPSACACEAE

Scabiosa atropurpurea L. subsp. **maritima** (L.) Arc.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1991. Hcrp.

S. hispidula Boiss.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1613. Th.

S. reuteriana Boiss.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1607. Endemic, LC, Medit., Th.

Pteroccephalus plumosus (L.) Coult.

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1967.

Widespread, Th.

ASTERACEAE

Bidens tripartita L.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1657. Widespread, Hcrp.

Pallenis spinosa (L.) Cass.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1654. Medit., Th.

Helichrysum pamphylicum P.H.Davis & Kubicha

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 2008. Endemic, Medit., Hcrp.

Filago eriocephala Guss.

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1647. Th.

Logfia gallica (L.) Cosson & Germ.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 2002. Th.

Erigeron acer L. **acer**

Ovabaşı Village, roadsides, 230 m, 09.04.2008, Yıldızıtugay 1848. Widespread, Hcrp.

Bellis perennis L.

Ovabaşı Village, in *Pinus* forest, 230 m, 420 m, 07.04.2007, Yıldızıtugay 1511. Euro-Sib., Hcrp.

Senecio tauricolus Matthews

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2036. Endemic, Ir.-Tur., Hcrp.

S. vernalis Waldst. & Kit.

Near Alaköprü, roadsides, 550 m, 09.04.2008, Yıldızıtugay 1879. Widespread, Th.

Calendula officinalis L.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1336. Th.

Anthemis pestalozzae Boiss.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1939. Endemic, LC, Medit., Th.

Achillea wilhelmsii C.Koch

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1969. Ir.-Tur., Hcrp.

Chrysanthemum segetum L.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1314. Medit., Th.

Gundelia tournefortii L. var. **tournefortii**

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1735. Hcrp.

Onopordum acanthium L.

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1690. Hcrp.

Cirsium ligulare Boiss.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1622. Hcrp.

C. vulgare (Savi) Ten.

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1957. Hcrp.

C. arvense (L.) Scop. subsp. **vestitum** (Wimm. & Grab.) Petr.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1659. Hcrp.

Lamyropsis cynaroides (Lam.) Dittrich

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1638. Medit., Hcrp.

Carduus nutans L. subsp. **nutans** sensu lato

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1737. Widespread, Hcrp.

Centaurea cheirolepidoides Wagenitz

Kaş Plateau, rocky places, 1605 m, 17.06.2008, Yıldızıtugay 2063. Endemic, EN, Medit., Hcrp.

C. babylonica (L.) L.

- Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1986.
Medit., Hcrp.
- C. solstitialis** L. subsp. subsp. **pyracantha** (Boiss.) Wagenitz
Anamur – Ermenek main road, 28. km, roadsides, 750 m, 01.07.2007, Yıldızıtugay 1754.
Endemic, LC, Medit., Th.
- C. urvillei** DC. subsp. **armata** Wagenitz
Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1664.
Medit., Hcrp.
- C. pichleri** Boiss. subsp. **extrarocularis** (Hayek & Siehe) Wagenitz
Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1691.
Endemic, LC, Hcrp.
- Cnicus benedictus** L. var. **kotschyi** Boiss.
Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 160 m, 07.04.2008, Yıldızıtugay 1791.
Widespread, Th.
- Carthamus dentatus** Vahl
Near Alaköprü, in *Pinus* forest, 540 m, 18.08.2008, Yıldızıtugay 2077.
Widespread, Hcrp.
- Xeranthemum longipapposum** Fisch. & C.A.Mey.
Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1995.
Ir.-Tur., Th.
- Chardinia orientalis** (L.) O.Kuntze
Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1728.
Ir.-Tur., Th.
- Cichorium glandulosum** Boiss. & Huet.
Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1628.
Ir.-Tur., Hcrp.
- Scorzonera cana** (C.A. Mey.) Hoffm. var. **cana**
Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1715.
Widespread, Hcrp.
- S. mollis** M.Bieb. subsp. **szowitzii** (DC.) Chamb.
Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1695.
Ir.-Tur., Hcrp.
- Tragopogon longirostris** Bisch. ex Sch.Bip. var. **longirostris**
Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 06.04.2007, Yıldızıtugay 1434.
Hcrp.
- T. dubius** Scop.
Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1640.
Hcrp.
- Picris pauciflora** Willd.
Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1619.
Medit., Hcrp.
- P. cyprica** Lack
Anamur – Ermenek main road, Sevgi Water Park crossroads, under forest, 160 m, 07.04.2007, Yıldızıtugay 1500.
Medit., Th.
- Urospermum picroides** (L.) F.W.Schmidt
Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1429.
Medit., Th.
- Sonchus asper** (L.) Hill subsp. **glaucescens** (Jordan) Ball
Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1331.
Th.
- Pilosella x auriculoides** (F.A.Lang) Sell & West
Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2017.
Crp.
- Lactuca serriola** L.
Near Alaköprü, in *Pinus* forest, 540 m, 18.08.2008, Yıldızıtugay 2075.
Hcrp.
- Taraxacum syriacum** Boiss.
Kaş Plateau, stony places, 1605 m, 18.08.2008, Yıldızıtugay 2071.
Ir.-Tur., Hcrp.
- T. officinale** Weber
Anamur – Ermenek main road, 26. km, roadsides, 740 m, 07.04.2008, Yıldızıtugay 1815.
Hcrp.
- Chondrilla juncea** L. var. **juncea**
Near Alaköprü, in *Pinus* forest, 540 m, 18.08.2008, Yıldızıtugay 2076.
Widespread, Hcrp.
- Crepis reuterana** Boiss. subsp. **reuterana**
Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1992.
Medit., Hcrp.
- C. pulchra** L. subsp. **pulchra**
Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1322.
Widespread, Th.
- C. sancta** (L.) Babc.
Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 01.03.2007, Yıldızıtugay 1362.
Widespread, Th.
- C. micrantha** Czer.
Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1335.
Widespread, Th.
- C. neglecta** L.
Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1633.
Th.
- C. vesicaria** L.
Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 160 m, 07.04.2008, Yıldızıtugay 1793.
Medit., Th.
- CAMPANULACEAE**
- Campanula lyrata** Lam. subsp. **lyrata**
Anamur – Ermenek main road, 21. km, rocky places, 580 m, 17.05.2007, Yıldızıtugay 1643.
Endemic, LC, Hcrp.
- C. glomerata** L. subsp. **hispida** (Witasek) Hayek
Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1976.
Hcrp.
- C. involocrata** Aucher ex A.DC.
Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1692.
Ir.-Tur., Hcrp.
- C. stricta** L. var. **libanotica** (A.DC.) Boiss.
Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2013.
Medit., Hcrp.
- C. drabifolia** Sm.
Güney Bahşışler Village to Sevgi Water Park, in *Pinus* forest, 260 m, 06.04.2007, Yıldızıtugay 1463.
Th.
- Asyneuma linifolium** (Boiss. & Heldr.) Bornm. subsp. **linifolium**
Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2026.
Endemic, LC, Medit., Hcrp.
- Michauxia campanuloides** L'Herit ex Aiton
Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 2009.
Medit., Hcrp.
- Legousia falcata** (Ten.) Fritsch
Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1671.
Medit., Th.
- L. speculum-veneris** (L.) Chaix
Sevgi Water Park around, in *Pinus* forest, 265 m, 06.04.2007, Yıldızıtugay 1468.
Medit., Th.
- ERICACEAE**
- Erica manipuliflora** Salisb.
Sevgi Water Park around, in *Pinus* forest, 265 m, 07.04.2007, Yıldızıtugay 1509.
Medit., Ch.
- PRIMULACEAE**
- Androsace maxima** L.
Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 05.04.2007, Yıldızıtugay 1411.
Th.
- Cyclamen cilicium** Boiss. & Heldr. var. **cilicium**
Kaş Plateau, stony places, 1605 m, 28.10.2008, Yıldızıtugay 2092.
Endemic, NT, Medit., Crp.
- Anagallis arvensis** L. var. **caerulea** (L.) Gouan.
Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1333.
Th.
- STYRACACEAE**
- Styrax officinalis** L.
Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1651.
Mcph.
- OLEACEAE**
- Jasminum fruticans** L.
Anamur – Ermenek main road, 21. km, open forest, 580 m, 08.04.2007, Yıldızıtugay 1521.

Medit., Nph.

APOCYNACEAE

Nerium oleander L.

Near Alaköprü, damp places, 550 m, 18.05.2008, Yıldızıtugay 1927.

Medit., Mcph.

GENTIANACEAE

Blackstonia perfoliata (L.) Hudson subsp. *serotina* (W.Koch ex Reichb.) Vollmann

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1641.
Th.

Centaureum erythraea Rafn subsp. *turcicum* (Velen.) Melderis
Near Alaköprü, in *Pinus* forest, 540 m, 18.08.2008, Yıldızıtugay 2075.
Widespread, Th.

C. pulchellum (Swartz) Druce

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1648.
Widespread, Th.

CONVOLVULACEAE

Convolvulus dorycnium L. subsp. *dorycnium*

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1936.

Medit., Hcrp.

C. arvensis L.

Near Alaköprü, stony places, 550 m, 18.05.2008, Yıldızıtugay 1922.
Hcrp.

C. galaticus Rost. ex Choisy

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1964.

Endemic, LC, Ir.-Tur., Hcrp.

BORAGINACEAE

Heliotropium dolosum De Not.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1606.
Th.

Rochelia cancellata Boiss. & Bal.

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1961.

Ir.-Tur., Th.

Myosotis incrassata Guss.

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 05.04.2007, Yıldızıtugay 1404.

Medit., Th.

M. litoralis Steven ex M.Bieb.

Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 07.04.2007, Yıldızıtugay 1499.

Medit., Th.

M. ramosissima Rochel ex Schult. subsp. *uncata* (Boiss. & Bal.) Grav

Anamur – Ermenek main road, 21. km, rocky places, 580 m, 07.04.2008, Yıldızıtugay 1805.

Endemic, EN, Medit., Th.

M. refracta Boiss. subsp. *refracta*

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1972.

Medit., Th.

M. alpestris F.W.Schmidt. subsp. *alpestris*

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1726.

Widespread, Hcrp.

Lithospermum officinale L.

Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 06.04.2007, Yıldızıtugay 1450.

Euro-Sib., Hcrp.

Buglossoides tenuiflora (L.fil.) Johnston

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 740 m, 07.04.2008, Yıldızıtugay 1817.

Th.

B. arvensis (L.) Johnst.

Anamur – Ermenek main road, 32. km, rocky places, 1450 m, 05.04.2007, Yıldızıtugay 1418.

Widespread, Th.

Echium plantagineum L.

Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 06.04.2007, Yıldızıtugay 1424a.

Medit., Hcrp.

Onosma frutescens Lam.

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1634.

Medit., Hcrp.

O. lycanicum Hub.-Mor.

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1965.

Endemic, NT, Ir.-Tur., Hcrp.

O. bornmuelleri Hausskn.

Güney Bahşışler Village to Sevgi Water Park, in *Pinus* forest, 260 m, 06.04.2007, Yıldızıtugay 1461.

Endemic, LC, Ir.-Tur., Hcrp.

Cerintho minor L. subsp. *auriculata* (Ten.) Domac

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1301.
Hcrp.

Anchusa undulata L. subsp. *hybrida* (Ten.) Cout.

Anamur – Ermenek main road, Ormancık Village around, stony places, 250 m, 01.03.2007, Yıldızıtugay 1342.

Medit., Hcrp.

Alkanna punctulata Hub.-Mor.

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1968.

Endemic, VU, Medit., Hcrp.

SOLANACEAE

Solanum nigrum L. subsp. *nigrum*

Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 01.03.2007, Yıldızıtugay 1372.

Th.

Atropa belladonna L.

Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides, 155 m, 17.05.2007, Yıldızıtugay 1739.

Euro-Sib., Hcrp.

SCROPHULARIACEAE

Verbascum myriocarpum Boiss. & Heldr.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2029.

Endemic, NT, Medit., Hcrp.

V. splendidum Boiss.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2063.

Endemic, LC, Medit., Hcrp.

V. glomerulosum Hub.-Mor.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2064.

Endemic, LC, Medit., Hcrp.

Scrophularia peregrina L.

Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1325.

Medit., Hcrp.

S. xanthoglossa Boiss. var. *decipiens* (Boiss. & Kotschy) Boiss.

Sevgi Water Park around, in *Pinus* forest, 265 m, 06.04.2007, Yıldızıtugay 1474.

Ir.-Tur., Hcrp.

Anarrhinum orientale Benth

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1425.

Ir.-Tur., Hcrp.

Antirrhinum majus L.

Ovabaşı Village entrance, roadsides, 230 m, 17.05.2008, Yıldızıtugay 1899.

Hcrp.

Misopates orontium (L.) Rafin.

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 01.03.2007, Yıldızıtugay 1370.

Th.

Linaria genitifolia (L.) Mill. subsp. *confertiflora* (Boiss.) P.H.Davis

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1962.

Endemic, LC, Ir.-Tur., Hcrp.

L. chalepensis (L.) Mill. var. *chalepensis*

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1448.

Medit., Th.

L. simplex (Willd.) DC.

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 160 m, 07.04.2008, Yıldızıtugay 1802.

Medit., Th.

L. pelisseriana (L.) Mill.

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1423.

Medit., Th.

Digitalis davisiana Heywood

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2027.

Endemic, LC, Medit., Hcrp.

Veronica balansae Stroh

Anamur – Ermenek main road, Ormancık Village around, stony places, 250 m, 01.03.2007, Yıldızıtugay 1341.

Endemic, LC, Medit., Th.

V. praecox All.

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1973.
Th.

V. cymbalaria Bodard

Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1334.
Medit., Th.

V. anagallis-aquatica L.

Anamur – Ermenek main road, 21. km, roadsides, 580 m, 07.04.2008,
Yıldızıtugay 1804.

Widespread, Hcrp.

V. macrostachya Vahl. subsp. **macrostachya**

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1934-1946.
Medit., Hcrp.

V. macrostachya Vahl subsp. **sorgerae** M.A.Fisch.

Kaş Plateau, under *Abies*, 1600 m, 17.05.2007, Yıldızıtugay 1675.
Endemic, VU, Medit., Hcrp.

V. elmaliensis M.A.Fisch.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1935.
Endemic, LC, Medit., Hcrp.

Parentucellia latifolia (L.) Caruel subsp. **latifolia**

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1970.
Medit., Vp.

OROBANCHACEAE

Orobanche ramosa L.

Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 06.04.2007,
Yıldızıtugay 1453.

Vp.

O. cernua Loefl.

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1739.
Vp.

ACANTHACEAE

Acanthus hirsutus Boiss.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1937.
Endemic, LC, Ir.-Tur., Hcrp.

GLOBULARIACEAE

Globularia trichosantha Fisch. & C.A.Mey.

Kaş Plateau, stony places, 1605 m, 28.10.2008, Yıldızıtugay 2088.
Ir.-Tur., Hcrp.

VERBENACEAE

Verbena officinalis L.

Near Alaköprü, in *Pinus* forest, 540 m, 18.08.2008, Yıldızıtugay 2072.
Widespread, Hcrp.

Vitex agnus-castus L.

Near Alaköprü, in *Pinus* forest, 540 m, 18.08.2008, Yıldızıtugay 2073.
Medit., Mcph.

LAMIACEAE

Ajuga chamaepitys (L.) Schreb. subsp. **cuneatifolia** (Stapf) P.H.Davis

Kaş Plateau, stony places, 1605 m, 07.04.2007, Yıldızıtugay 1491.
Ch.

Rosmarinus officinalis L.

Anamur – Ermenek main road, Sevgi Water Park crossroads, roadsides,
150 m, 01.03.2007, Yıldızıtugay 1394.

Medit., Ch.

Lavandula stoechas L. subsp. **stoechas**

Ovabaşı Village, roadsides, 230 m, 07.04.2007, Yıldızıtugay 1480.
Medit., Ch.

Scutellaria orientalis L. subsp. **alpina** (Boiss.) O.Schwartz var. **alpina**

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m,
17.05.2007, Yıldızıtugay 1654.

Widespread, Ch.

Phlomis longifolia Boiss. & Bl. var. **bailanica** (Vierh.) Hub.-Mor.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m,
17.05.2007, Yıldızıtugay 1653.

Endemic, LC, Medit., Ch.

P. armeniaca Willd.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2016.

Endemic, LC, Ir.-Tur., Hcrp.

Lamium garganicum L. subsp. **reniforme** (Montbret & Aucher ex Bent.) R.Mill

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 05.04.2007,
Yıldızıtugay 1408.

Hcrp.

L. amplexicaule L.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1311.

Euro-Sib., Th.

Ballota nigra L. subsp. **anatolica** P.H.Davis

Kaş Plateau, stony places, 1605 m, 17.05.2008, Yıldızıtugay 1909.

Endemic, LC, Ir.-Tur., Hcrp.

Marrubium bourgaei Boiss. subsp. **bourgaei**

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1943.
Endemic, LC, Medit., Hcrp.

Sideritis lanata L.

Near Alaköprü, damp places, 550 m, 01.03.2007, Yıldızıtugay 1332.
Medit., Th.

S. brevidens P.H.Davis

Near Alaköprü, in *Pinus* forest, 540 m, 10.08.2008, Yıldızıtugay 2068.
Endemic, VU, Medit., Hcrp.

S. condensata Boiss. & Heldr.

Near Alaköprü, in *Pinus* forest, 540 m, 10.08.2008, Yıldızıtugay 2067.
Endemic, LC, Medit., Hcrp.

S. vuralii H.Duman & Başer

Kaş Plateau, stony places, 1605 m, 18.08.2008, Yıldızıtugay 2070.
Endemic, VU, Medit., Ch.

Stachys cretica L. subsp. **anatolica** Rech.fil.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m,
17.05.2007, Yıldızıtugay 1662.

Endemic, LC, Ir.-Tur., Hcrp.

S. lavandulifolia Vahl var. **lavandulifolia**

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1682.
Ir.-Tur., Hcrp.

Nepeta nuda L. subsp. **nuda**

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1683.
Hcrp.

N. caesarea Boiss.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m,
17.06.2008, Yıldızıtugay 2005.

Endemic, LC, Medit., Hcrp.

Prunella vulgaris L.

Sevgi Water Park around, in *Pinus* forest, 265 m, 06.04.2007,
Yıldızıtugay 1477.

Euro-Sib., Hcrp.

Origanum majorana L.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1604.
Medit., Hcrp.

Calamintha sylvatica Bromf. subsp. **sylvatica**

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1618.
Euro-Sib., Hcrp.

Micromeria myrtifolia Boiss. & Hohen.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m,
17.06.2008, Yıldızıtugay 1982.

Medit., Ch.

Thymus revolutus Celak.

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1738.
Endemic, VU, Medit., Ch.

Mentha spicata L. subsp. **tomentosa** (Briq.) Harley

Near Alaköprü, damp places, 550 m, 18.05.2008, Yıldızıtugay 1940.
Hcrp.

Salvia aucheri Bent. var. **aucheri**

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1725.
Endemic, VU, Ch.

S. potentillifolia Boiss. & Heldr. ex Bentham

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m,
17.05.2007, Yıldızıtugay 1658.

Endemic, LC, Medit., Hcrp.

S. heldreichiana Boiss. ex Benth.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2015.
Endemic, LC, Medit., Ch.

S. viridis L.

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m,
17.05.2007, Yıldızıtugay 1644.

Medit., Th.

S. microstegia Boiss. & Bal.

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1686.
Ir.-Tur., Hcrp.

S. candidissima Vahl subsp. **occidentalis** Hedge

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m,
17.05.2007, Yıldızıtugay 1660.

Ir.-Tur., Hcrp.

S. virgata Jacq

Anamur – Ermenek main road, Ormancık Village around, stony places,
250 m, 01.03.2007, Yıldızıtugay 1338.

Ir.-Tur., Hcrp.

PLUMBAGINACEAE

Plumbago europaea L.

Kaş Plateau, rocky places, 1600 m, 17.05.2007, 28.10.2008, Yıldızıtugay 2080.

Euro-Sib., Hcrp.

PLANTAGINACEAE

Plantago coronopus L. subsp. **coronopus**

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1631.

Euro-Sib., Th.

P. cretica L.

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1445.

Medit., Th.

THYMELAEACEAE

Daphne gnidioides Jaub. & Spach

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1625.

Medit., Ch.

ELAEAGNACEAE

Elaeagnus angustifolia L.

Anamur – Ermenek main road, Ormancık Village around, roadside, 250 m, 28.10.2008, Yıldızıtugay 2086.

Mcp.

SANTALACEAE

Thesium bergeri Zucc.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1656.

Medit., Ch.

LORANTHACEAE

Viscum album L. subsp. **album**

Anamur – Ermenek main road, Sevgi Water Park around, on *Pinus*, 210 m, 28.10.2008, Yıldızıtugay 2093.

Vp.

RAFFLESIAEAE

Cytinus hypocistis L. subsp. **orientalis** Wettst.

Anamur – Ermenek main road, 28. km, on *Cistus*, 420 m, 07.04.2007, Yıldızıtugay 1506.

Medit., Vp.

EUPHORBIACEAE

Euphorbia hierosolymitana Boiss.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1668.

Medit., Ch.

E. oblongata Griseb.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1659.

Medit., Hcrp.

E. helioscopia L.

Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 06.04.2007, Yıldızıtugay 1449.

Th.

E. peplus L. var. **peplus**

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 740 m, 07.04.2008, Yıldızıtugay 1821.

Th.

E. falcata L. subsp. **falcata** var. **falcata**

Anamur – Ermenek main road, Ormancık Village around, stony places, 250 m, 01.03.2007, Yıldızıtugay 1345.

Th.

E. virgata Waldst. & Kit.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 1985.

Hcrp.

URTICACEAE

Parietaria lusitanica L.

Anamur – Ermenek main road, 26. km, rocky places, 420 m, 07.04.2007, Yıldızıtugay 1495.

Medit., Ch.

MORACEAE

Morus alba L.

Anamur – Ermenek main road, Ormancık Village around, roadside, 250 m, 18.06.2008, Yıldızıtugay 2103.

Mcp.

M. nigra L.

Near Alaköprü, roadside, 550 m, 18.06.2008, Yıldızıtugay 2104.

Mcp.

PLATANACEAE

Platanus orientalis L.

Anamur – Ermenek main road, Ormancık Village around, roadsides, 250 m, 18.06.2008, Yıldızıtugay 2105.

Msp.

FAGACEAE

Quercus cerris L. var. **cerris**

Anamur – Ermenek main road, Sevgi Water Park around, stony places, 210 m, 28.10.2008, Yıldızıtugay 2093.

Msp.

Q. trojana P.B. Webb

Anamur – Ermenek main road, Sevgi Water Park around, stony places, 210 m, 28.10.2008, Yıldızıtugay 2094.

Medit., Msp.

SALICACEAE

Salix alba L.

Near Alaköprü, damp places, 550 m, 18.06.2008, Yıldızıtugay 2106.

Mcp.

Populus nigra L. subsp. **nigra**

Near Alaköprü, roadside, 550 m, 18.06.2008, Yıldızıtugay 2107.

Msp.

RUBIACEAE

Crucianella macrostachya Boiss.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 2003.

Medit., Th.

C. latifolia L.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1610.

Medit., Th.

Galium verum L. subsp. **glabrescens** Ehrend.

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2010.

Ir.-Tur., Ch.

G. canum Req. ex DC. subsp. **canum**

Near Alaköprü, in *Pinus* forest, 500 m, 07.04.2007, Yıldızıtugay 1510-1515.

Medit., Hcrp.

G. spurium L. subsp. **spurium**

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1956.

Euro-Sib., Th.

G. setaceum Lam.

Kaş Plateau, stony places, 1550 m, 5-50 m, 17.05.2008, Yıldızıtugay 1904.

Th.

G. bracteatum Boiss.

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1727.

Ir.-Tur., Th.

G. stepparum Ehrend. & Schönb. – Tem.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m, 17.06.2008, Yıldızıtugay 2004.

Endemic, LC, Ir.-Tur., Th.

Cruciata taurica (Pall. ex Willd.) Ehrend.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1938.

Ir.-Tur., Hcrp.

Valantia hispida L.

Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 06.04.2007, Yıldızıtugay 1451.

Medit., Th.

MONOCOTYLEDONEAE

ARACEAE

Arum elongatum Steven subsp. **detruncatum** (C.A.Mey. ex Schott) H.Riedl

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1701.

Ir.-Tur., Crp.

Biarum bovei Blume

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1603.

Ir.-Tur., Crp.

LILIACEAE

Asphodelus aestivus Brot.

Anamur – Ermenek main road, Ormancık Village around, stony places, 250 m, 01.03.2007, Yıldızıtugay 1346.

Medit., Crp.

Asphodeline rigidifolia (Boiss.) Baker

Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1730.

Endemic, LC, Ir.-Tur., Crp.

Allium pallens L. subsp. **pallens**

Anamur – Ermenek main road, Sevgi Water Park around, stony places, 210 m, 28.10.2008, Yıldızıtugay 2095.

Medit., Crp.

A. bassitense Thieb.

Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m, 17.05.2007, Yıldızıtugay 1665.

Medit., Crp.

A. sipyleum Boiss.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1600.

Medit., Crp.

A. staticiforme Sm.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1612.

Medit., Crp.

A. scorodoprasum L. subsp. **rotundum** (L.) Stearn

Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2021.

Crp.

Urginea maritima (L.) Baker

Near Alaköprü, in *Pinus* forest, 540 m, 18.08.2008, Yıldızıtugay 2078.

Medit., Crp.

Scilla bifolia L.

Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1829.

Medit., Crp.

Ornithogalum pyrenaicum L.

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1636.

Crp.

O. narbonense L.

Near Alaköprü, stony places, 550 m, 18.05.2008, Yıldızıtugay 1925.

Medit., Crp.

O. oligophyllum E.D.Clarke

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1975.

Crp.

O. lanceolatum Labill.

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 05.04.2007, Yıldızıtugay 1412.

Medit., Crp.

O. ulophyllum Hand.-Mazz.

Kaş Plateau, rocky places, 1600 m, 17.05.2007, Yıldızıtugay 1684.

Crp.

O. umbellatum Ten.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1320.

Widespread, Crp.

O. orthophyllum Ten.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 740 m, 07.04.2008, Yıldızıtugay 1814.

Widespread, Crp.

Muscari comosum (L.) Mill.

Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 06.04.2007, Yıldızıtugay 1458.

Medit., Crp.

Bellevalia dubia (Guss.) Roem. & Schult.

Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1831.

Medit., Crp.

Tulipa humilis Herb.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1955.

Crp.

Gagea fibrosa (Desf.) Schult. & Schult.fil.

Kaş Plateau, rocky places, 1670 m, 07.04.2008, Yıldızıtugay 1828.

Crp.

G. foliosa (J. & C.Presl) Schult. & Schult.fil.

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 05.04.2007, Yıldızıtugay 1401.

Crp.

G. villosa (M.Bieb.) Duby var. **villosa** Pers.

Near Alaköprü, stony places, 550 m, 01.03.2007, Yıldızıtugay 1306.

Medit., Crp.

AMARYLLIDACEAE

Galanthus elwesii Hook.fil.

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 01.03.2007, Yıldızıtugay 1350.

Medit., Crp.

IRIDACEAE

Crocus biflorus Mill. subsp. **isauricus** (Siehe ex Bowles) Mathew

Kaş Plateau, near Deliktaş Cave, rocky places, 1500 m, 01.03.2007, Yıldızıtugay 1347.

Endemic, LC, Medit., Crp.

C. cancellatus Herbert subsp. **pamphylicus** Mathew

Kaş Plateau, stony places, 1605 m, 28.10.2008, Yıldızıtugay 2091.

Endemic, VU, Medit., Crp.

Romulea ramiflora Ten. subsp. **ramiflora**

Anamur – Ermenek main road, Karabahşışler Village entrance, roadsides, 150 m, 01.03.2007, Yıldızıtugay 1352.

Medit., Crp.

R. columnae Seb. & Mauri subsp. **columnae**

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 01.03.2007, Yıldızıtugay 1361.

Medit., Crp.

Gladiolus illyricus W.Koch.

Güney Bahşışler Village, Kesme Hill, stony places, 230 m, 06.04.2007, Yıldızıtugay 1459.

Medit., Crp.

ORCHIDACEAE

Limodorum abortivum (L.) Swartz

Near Alaköprü, in *Pinus* forest, 550 m, 07.04.2007, Yıldızıtugay 1487.

Widespread, Crp.

Spiranthes spiralis (L.) Chevall.

Anamur – Ermenek main road, Sevgi Water Park around, in *Pinus* forest, 210 m, 28.10.2008, Yıldızıtugay 2096.

Medit., Crp.

Orchis sancta L.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1601.

Medit., Crp.

O. anatolica Boiss.

Anamur – Ermenek main road, 26. km, in *Pinus* forest, 740 m, 07.04.2008, Yıldızıtugay 1810.

Medit., Crp.

CYPERACEAE

Carex divisa Hudson

Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1974.

Widespread, Crp.

POACEAE

Brachypodium pinnatum (L.) P.Beauv.

Anamur – Ermenek main road, 26. km, roadsides, 740 m, 07.04.2007, Yıldızıtugay 1501.

Euro-Sib., Hcrp.

Trachynia distachya (L.) Link

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1952.

Th.

Elymus tauri (Boiss. & Bal.) Melderis

Near Alaköprü, stony places, 550 m, 09.04.2007, Yıldızıtugay 1585.

Ir.-Tur., Hcrp.

Aegilops peregrina (Hackel) Maire & Weiller

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1627.

Th.

Hordeum murinum L. subsp. **glaucum** (Steud.) Tzvelev

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1931.

Th.

H. bulbosum L.

Kaş Plateau, rocky places, 1575 m, 18.05.2008, Yıldızıtugay 1948.

Widespread, Crp.

Taeniattherum caput-medusae (L.) Nevski subsp. **crinitum** (Schreb.)

Melderis

Anamur – Ermenek main road, 21. km, in *Pinus* forest, 580 m, 17.05.2007, Yıldızıtugay 1635.

Ir.-Tur., Th.

Bromus japonicus Thunb. subsp. **anatolicus** (Boiss. & Heldr.) Penzes

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1616.

Th.

B. tectorum L.

Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1615.

Widespread, Th.

Avena barbata Pott ex Link subsp. **barbata**

Anamur – Ermenek main road, Sevgi Water Park crossroads, stony places, 155 m, 06.04.2007, Yıldızıtugay 1437.

Medit., Th.

Phragmites australis (Cav.) Trin ex Steud.

Near Alaköprü, stream edge, 550 m, 09.04.2007, Yıldızıtugay 1580.

Euro-Sib., Crp.

Rostraria cristata (L.) Tzvelev var. **cristata**

Anamur – Ermenek main road, 26. km, roadside, 600 m, 08.04.2007, Yıldızıtugay 1552.

Widespread, Th.

- Deschampsia caespitosa** (L.) P.Beauv.
in *Pinus* forest, 550 m, 07.04.2007, Yıldızıtugay 1503.
Widespread, Th.
- Aira elegantissima** Schur subsp. **elegantissima**
Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m,
17.06.2008, Yıldızıtugay 1989.
Medit., Th.
- Phleum pratense** L.
Near Alaköprü, roadside, 550 m, 17.05.2007, Yıldızıtugay 1736.
Euro-Sib., Th.
- P. subulatum** (Savi) Aschers. & Graebn. subsp. **subulatum**
Anamur – Ermenek main road, 26. km, in *Pinus* forest, 600 m,
17.06.2008, Yıldızıtugay 2001.
Medit., Th.
- Lolium perenne** L.
Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1963.
Euro-Sib., Hcrp.
- Catopodium rigidum** (L.) C.E.Hubbard ex Dony subsp. **rigidum** var. **rigidum**
Anamur – Ermenek main road, 26. km, stony places, 600 m, 09.04.2008,
Yıldızıtugay 1859.
Widespread, Th.
- Poa annua** L.
Kaş Plateau, rocky places, 1675 m, 18.05.2008, Yıldızıtugay 1960.
Th.
- P. bulbosa** L.
Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1705.
Crp.
- Dactylis glomerata** L. subsp. **glomerata**
Near Alaköprü, stony places, 550 m, 18.05.2008, Yıldızıtugay 1923.
Crp.
- Cynosurus echinatus** L.
Anamur – Ermenek main road, 28. km, in *Pinus* forest, 750 m,
17.05.2007, Yıldızıtugay 1670.
Medit., Th.
- Briza maxima** L.
Near Alaköprü, stony places, 550 m, 17.05.2007, Yıldızıtugay 1611.
Th.
- Melica ciliata** L. subsp. **ciliata**
Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2023.
Widespread, Hcrp.
- Stipa holosericea** Trin.
Kaş Plateau, stony places, 1605 m, 17.06.2008, Yıldızıtugay 2022.
Ir.-Tur., Hcrp.
- Piptatherum coerulescens** (Desf.) P.Beauv.
Kaş Plateau, rocky places, 1675 m, 17.05.2007, Yıldızıtugay 1734.
Hcrp.
- Aeluropus littoralis** (Gouan) Parl.
Sevgi Water Park around, in *Pinus* forest, 265 m, 06.04.2007,
Yıldızıtugay 1469.
Hcrp.
- Cynodon dactylon** (L.) Pers. var. **dactylon**
Anamur – Ermenek main road, 26. km, stony places, 600 m, 09.04.2007,
Yıldızıtugay 1576.
Crp.

4. Conclusions and discussion

As a result of the examination of 840 plants specimens which were collected from the research area between 2006-2008, 470 taxa that belong to 73 families and 279 genera have been determined. Three of them belong to Pteridophyta and 467 belong to Spermatophyta divisions. The subdivision Gymnospermae has 7 taxa and Angiospermae has 460. Of these, 397 taxa belong to the Dicotyledones while the other 63 belong to the Monocotyledones (Table 2).

Table 2. The dispersion of taxa into large taxonomical groups.

	Families	Genera	Species	Subsp.	Var.	Taxa	Endemics
Pteridophyta	3	3	3	-	-	3	-
Spermatophyta	70	276	311	109	47	467	62
Gymnospermae	3	5	4	3	-	7	1
Angiospermae	67	271	307	106	47	460	61
Dicotyledones	60	227	263	91	44	397	58
Monocotyledones	7	44	44	15	4	63	3
Total	73	279	314	109	47	470	62

According to the number of species the largest families are presented in Table 3. The largest family is Fabaceae including with 59 taxa in the study area. The family Asteraceae is the second largest group, with 58 taxa. The family Caryophyllaceae ranks third, with 35 taxa. When researches performed near the region were compared with regard to the largest two families, flora of Mount Musa (Düzenli and Çakan, 2001) is the closest study to our research (Table 4). The family Lamiaceae ranks first in Kozlar Highplateau (Everest and Rauss, 2004). In other studies Asteraceae ranks first as the family with the highest number of taxa (Sümbül and Erik, 1988a-1988b-1990a-1990b; Ertuğrul et al., 2002). In most floristic studies, Asteraceae and Fabaceae are usually the richest families. This can be explained by the diversity of vegetation types, soil construction, climatic conditions and topography (Balos and Akan, 2008). Because of these reasons taxa belonging to these families were dominant in the research area.

Table 3. The families containing the highest number of taxa.

Families	Number of taxa	Rate (%)
Fabaceae	59	12.6
Asteraceae	58	12.3
Caryophyllaceae	35	7.4
Lamiaceae	31	6.6
Brassicaceae	31	6.6
Poaceae	28	6.0
Apiaceae	23	4.9
Liliaceae	22	4.7
Scrophulariaceae	21	4.5
Boraginaceae	17	3.6
Total	325	69.2

Table 4. Comparison of large families in the Kaş Plateau and neighbouring areas.

Families (%)	Kaş	Taşeli	Çekiç	Kozlar	Musa
Fabaceae	12.6	9.9	7.9	8.8	12.8
Asteraceae	12.3	11.4	13.8	11.0	10.5
Caryophyllaceae	7.4	5.4	6.7	3.3	3.2
Lamiaceae	6.6	7.2	8.7	12.5	8.6
Brassicaceae	6.6	7.1	9.0	5.5	3.0
Poaceae	6.0	3.4	6.2	6.3	8.0
Apiaceae	4.9	4.6	4.8	2.9	2.6
Liliaceae	4.7	4.7	4.9	2.9	3.0
Scrophulariaceae	4.5	3.7	4.1	3.7	4.0
Boraginaceae	3.6	3.5	2.8	6.6	2.5

Kaş: The Flora of Kaş Plateau and Its Surroundings (Anamur - Mersin).

Taşeli: The Flora of Taşeli Plateau (İçel-Konya-Antalya).

Çekiç: The Flora of Çekiç Mountain and Gevne Valley (Hadım-Konya).

Kozlar: Investigations Flora in Mersin: Kozlar Highplateau of South Turkey.

Musa: Flora of Mount Musa (Hatay-Turkey).

In point of number of genera Asteraceae (33), Poaceae (24), Fabaceae (23), Brassicaceae (20), Lamiaceae (18), Caryophyllaceae (12), Apiaceae (12), Boraginaceae (10) and Liliaceae (10) were the largest families. The genera containing the highest number of species in this study are listed in Table 5. The genus *Silene* L. ranks first, with 11 taxa (2.34%). *Vicia* L. ranks second, with 8 taxa (1.70%) and *Astragalus* L. ranks third, with 7 taxa (1.49%).

Table 5. The genera containing the highest number of taxa.

Genera	Number of taxa	Rate (%)
<i>Silene</i>	11	2.34
<i>Vicia</i>	8	1.70
<i>Astragalus</i>	7	1.49
<i>Salvia</i>	7	1.49
<i>Ornithogalum</i>	7	1.49
<i>Veronica</i>	7	1.49
<i>Arabis</i>	7	1.49
<i>Trifolium</i>	6	1.28
<i>Ranunculus</i>	6	1.28
<i>Galium</i>	6	1.28
Total	72	15.33

The species of the study area, categorised according to phytogeographical regions, can be listed as follows: Mediterranean elements 158 (33.6%), Irano-Turanian elements 48 (10.2%), Euro-Siberian elements 20 (4.3%) and the remaining 244 (51.9%) taxa are Multiregional or unknown. The results of the studies conducted in close and similar areas, along with phytogeographical distribution, are presented in Table 6. Except from the flora of Çekiç Mountain (Ertuğrul et al., 2002) The Mediterranean elements seem to be dominant in all areas studied and the Irano-Turanian elements come second.

Table 6. A comparison of the phytogeographical elements and endemism.

Research area (%)	Kaş	Taşeli	Çekiç	Kozlar	Musa
Mediterranean	33.6	29.0	18.0	18.7	40.8
Irano-Turanian	10.2	16.9	22.0	16.9	3.6
Euro-Siberian	4.3	5.8	5.4	4.4	8.2
Multiregional or unknown	51.9	48.3	54.6	60.0	47.4
Endemism	13.2	20.2	21.9	12.0	9.3

The total number of endemic taxa is 62 (13.2%). The proportion of endemism in the area is low (13.2%), below the average of Turkey (34%) (Ekim, 2005; Behçet et al., 2009). The endemism rate is 20.2% for Taşeli (Sümbül and Erik, 1988a-1988b-1990a-1990b), 21.9% for Çekiç (Ertuğrul et al., 2002), 12.0% for Kozlar (Everest and Rauss, 2004) and 9.3% for Musa (Düzenli and Çakan, 2001) (Table 6). According to the IUCN red data book categories (Ekim et al., 2000; IUCN, 2001), *Clypeola ciliata* Boiss., *Silene balansae* Boiss., *Centaurea cheirolepidoides* Wagenitz and *Myosotis ramosissima* Rochel ex Schult. subsp. *uncata* (Boiss. & Bal.) Grav are EN; *Arenaria pamphylica* Boiss. & Heldr. subsp. *pamphylica* var. *turcica* McNeill, *Velezia pseudorigida* Hub.-Mor., *Silene pompeopolitana* Gay ex Boiss., *Alkanna punctulata* Hub.-Mor., *Veronica macrostachya* Vahl subsp. *sorgerae* M.A.Fisch., *Sideritis brevidens* P.H.Davis, *Sideritis vuralii* H.Duman & Başer, *Thymus revolutus* Celak., *Salvia aucheri* Bent. var. *aucheri* and *Crocus cancellatus* Herbert subsp. *pamphylicus* Mathew are VU; *Cyclamen cilicium* Boiss. & Heldr. var. *cilicium*, *Onosma lycaonicum* Hub.-Mor. and *Verbascum myriocarpum* Boiss. & Heldr are NT and 42 endemic taxa are LC (IUCN, 2001).

The life forms of the taxa according to Raunkiaer (1934) are given in Table 7; 186 (39.6%) of the taxa are therophytes, 165 (35.1%) of the taxa are hemicryptophytes, 54 (11.5%) of the taxa are cryptophytes, 25 (5.3%) of the taxa are chamaephytes, 20 (4.3%) of the taxa are microphanerophytes, 8 (1.7%) of the taxa are mesophanerophytes, 7 (1.5%) of the taxa are nanophanerophytes and 5 (1.1%) of the taxa are vascular parasites. Because of the weather is dry from the beginning of may until the end of september, therophytes are dominant in the area.

Table 7. Life forms in the research area.

Life form	Number of taxa	Rate (%)
Therophyte	186	39.6
Hemicryptophyte	165	35.1
Cryptophyte	54	11.5
Chamaephyte	25	5.3
Microphanerophyte	20	4.3
Mesophanerophyte	8	1.7
Nanophanerophyte	7	1.5

Vascular parasite	5	1.1
Total	470	100

The specimens of *Bituminaria* Heist. ex Fabr. were collected during the floristic study from Kaş Plateau (Mersin–Anamur). At first, we were not able to identify these specimens by using the Flora of Turkey (Davis, 1965-1985; Davis et al., 1988; Güner et al., 2000). After that plant specimens were identified as *Bituminaria bituminosa* (L.) C.H.Stirt. according to the Flora Iberica (Talavera, 1999). After thorough examinations of all the specimens and the relevant literature, it was decided that this species is a new record for C4 square according to the grid system.

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