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Flora of Tuzaklı, Otluk, Gidefi Mountains and Surroundings (Akseki)

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Abstract: The natural and cultivated plants of Tuzaklı, Otluk, Gidefi mountains and their surroundings were studied between 1994 and 1997; 2486 herbarium specimens belonging to 1023 taxa, 484 genera and 98 families were collected and identified from the areas. Sixty-one taxa are cultivated and the rest are native plants. The phytogeographic elements are represented in the study area as follows: Mediterranean 360 (37.4%), Irano-Turanian 86 (8.9%) and Euro-Siberian 35 (3.6%). The phytogeographic regions of 481 (50%) taxa are either multi-regional or unknown. Phytogeographic regions are recommended for 12 taxa, of which phytogeographic regions have not been previously suggested. The life forms of the taxa are determined according to Raunkiaer. The number of endemic taxa is 163 (16.9%). Thirty-seven taxa show variations which were not reported in the Flora of Turkey. These variations are presented herein. The states of five taxa showing unusual distributions are discussed.

Key Words: Flora, Akseki, Antalya, Turkey

Tuzaklı, Otluk, Gidefi Dağları ve Çevresinin Florası (Akseki)

Özet: Bu araştırma Tuzaklı, Otluk, Gidefi Dağları ve Çevresinin doğal ve kültür bitkilerini kapsamaktadır. 1994-1997 yılları arasında toplanan 2486 bitki örneğinin değerlendirilmesiyle, 98 aile, 484 cins ve bu cinslere ait 1023 tür ve tür altı seviyede takson belirlenmiştir. 1023 taksonun 61'i kültür, 962'si ise doğal bitkilerdir. Araştırma alanında fitocoğrafik elementlerin dağılımı şöyledir; Akdeniz 360 (%37.4), İran-Turan 86 (%8.9), Avrupa-Sibirya 35 (3.6). 481 (%50) taksonun fitocoğrafik bölgesi bilinmemekte veya çok bölgelidir. 12 taksona fitocoğrafik bölge elementi önerilmiştir. Toplanan taksonların hayat formları Raunkiaer'in sistemine göre belirlenerek tablo şeklinde verilmiştir. Endemik tür sayısı 163 (%16'9)'dür. Türkiye Florası'nda belirtilen morfolojik özelliklerden farklı özellikler gösteren 37 taksonun bu özellikleri Appendix içinde sunulmuştur. Araştırma alanından tespit edilen ve ülkemizde genelinde ilginç yayılış gösteren beş taksonun da durumları değerlendirilmiştir.

Anahtar Sözcükler: Flora, Akseki, Antalya, Türkiye

Introduction

Tuzaklı, Otluk and Gidefi mountains are located in the West Toros Mountains within the borders of Antalya province. According to the grid square system used in the Flora of Turkey, the research area is located in the square C3. The altitude of the area is 500 m around Murtiçi on the western border of the area and 2427 m at the summit of Eđerbeli Hill (Fig. 1). The research area is bordered in the west by Gülen Mountain, in the north by Yalınca and Musa mountains, in the east by Palaz, Karaçal and Manoğlu mountains and in the south by Gündoğmuş. The area lies wholly within the Mediterranean Phytogeographic Area, and in the province of Antalya.

Five different vegetation types are seen in the area: macchie, forest, steppe, rock and scree. The macchie vegetation is found between 500 and 1000 m. It includes

a lot of common tall scrubs such as *Paliurus spina-christi* Mill., *Pistacia terebinthus* L., *Ceratonia siliqua* L., *Cercis siliquastrum* L., *Calicotome villosa* (Poir.) Link, *Arbutus andrachne* L., *Styrax officinalis* L., *Fontanesia philliraeoides* Labill., *Phillyrea latifolia* L., *Laurus nobilis* L. and *Quercus coccifera* L.

The forest vegetation is the most common vegetation type in the area, and is represented by the forests of *Juniperus excelsa* M.Bieb., *Pinus brutia* Ten., *Abies cilicica* (Antinori & Kotschy) Carr. and *Cedrus libani* A.Rich. at altitudes between 900 and 1850 m.

The steppe vegetation is at 1650 m in the north and 1800 m in the south of the mountains. The most dominant species of this vegetation type are *Astragalus creticus* Lam., *Cirsium lappaceum* (M.Bieb.) Fisch., *Marrubium globosum* Monthbret & Aucher ex Benth.,

Ziziphora clinopodioides Lam., *Euphorbia kotschyana* Fenzl, *Bromus tomentollus* Boiss., and *Stipa pulcherrima* K.Koch.

The rock vegetation is found especially on Otluk and Gidefi Mountains and Yumrudikmeni Hill. The most dominant species of rock vegetation include *Aethionema iberideum* (Boiss.) Boiss., *Arenaria uninervia* McNeill, *Silene odontopetala* Fenzl, *Seseli gummiferum* Pall. ex Sm., *Inula heterolepis* Boiss., *Phagnalon graecum* Boiss., *Stachelina lobelii* DC., *Onosma frutescens* Lam., *Alkanna oreodoxa* Hub.-Mor., *Scrophularia rimarum* Bornm. and *Satureja cuneifolia* Ten.

The scree vegetation is found above 2000 m. The most dominant species of scree vegetation include *Heldreichia bupleurifolia* Boiss., *Oxyria digyna* (L.) Hill, *Vavilovia formosa* (Stev.) Al.Fed., *Lamium eriocephalum* Benth., and *Cyclotrichium origanifolium* (Labill.) Manden. & Scheng.

The geological structure of the study area is made up of calcareous rocks in the north and magmatic rocks in the south. The Çukurköy formation, which covers the transition zone of Murtiçi-Güzelsu-Köprülü, is composed of small rocks, sandstone and green marls (Şenel, 1972; Demirtaş, 1987).

There are three large soil groups in the study area: colluvial soils (especially in the agricultural areas around the villages of Sadıklar, Taşlıca, Çukurköy, Pınarbaşı, Güzelsu and Murtiçi), red Mediterranean soils (around Kuz Dere, Geyran Yayla and Çukurköy Dere) and organic soils (around Tuzaklı, Otluk and Gidefi Mountains, and in the south of Çukurköy) (TKB, 1972).

The study area has a typical Mediterranean climate. The total average rainfall per year is 1864.7 mm in Güzelsu, 1401.5 mm in Gündoğmuş and 1355.5 mm in Akseki. The precipitation is generally in winter (almost half of it) and the least in summer (DMİ, 1984). The rainfall regime is the *East Mediterranean Rain Regime Type I* in Akseki and Gündoğmuş, and the *Central Mediterranean Rain Regime Type* in Güzelsu (Ering, 1988). According to Emberger's Mediterranean bioclimate layers classification, Akseki is *rainy and sub-cold*, Gündoğmuş *rainy sub-cool*, and Güzelsu *rainy and upper cool* (Dönmez, 1984). The climate diagrams were drawn using Gaussen's method (Akman, 1990). The diagrams help show the arid seasons (Figs. 2, 3). For a better understanding of the climate of the area, a climate

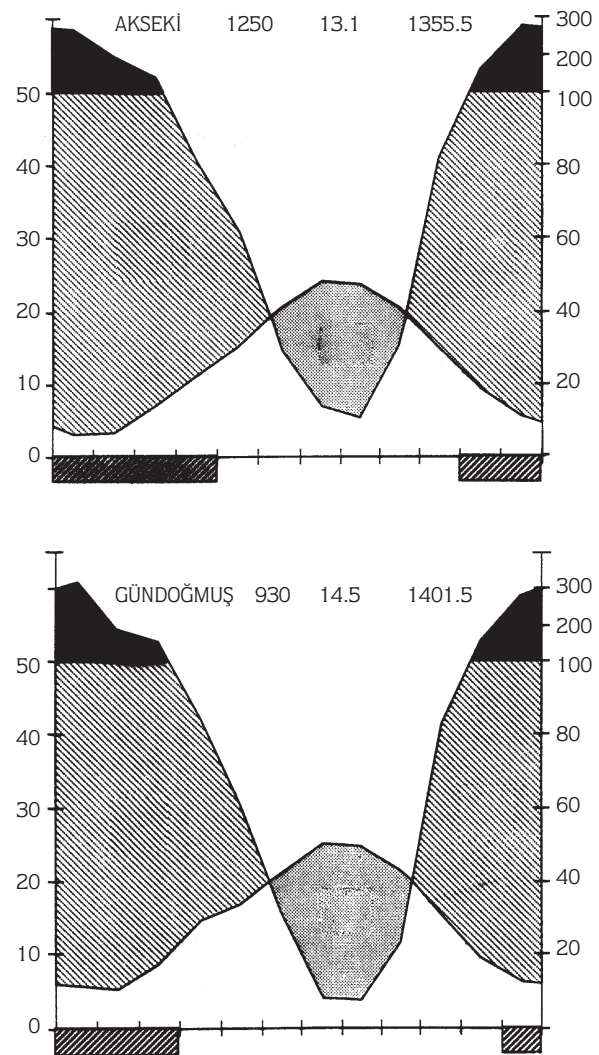


Figure 2. Climate Diagram of Akseki and Gündoğmuş

diagram is given for Eğerbeli Hill using extrapolation accounts (Fig. 3). Eğerbeli Hill, which is much higher than the other stations, has extreme precipitation and temperature averages.

Materials and Methods

This paper is based on a PhD thesis. Two thousand four hundred and eighty-six specimens were collected between 1994 and 1997. The specimens were identified at the family, generic and species levels according to different floras (Davis, 1965-1985; Davis et al., 1988; Güner et al., 2000; Boissier, 1867-1888; Rechinger et al., 1965-1977; Tutin et al., 1964-1980; Townsend &

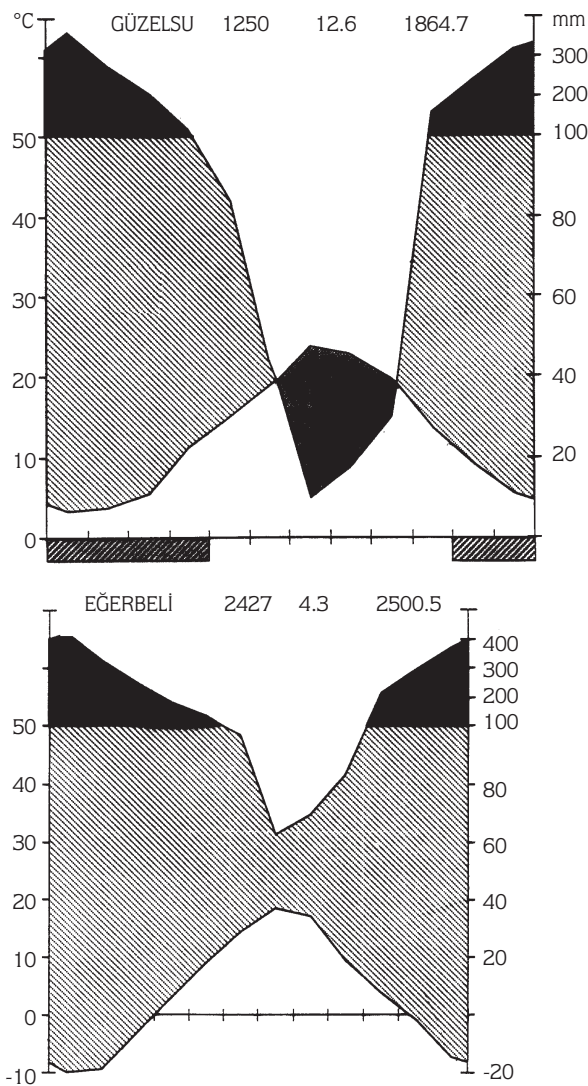


Figure 3. Climate Diagram of Güzelsu and Eğerbeli

Guest, 1966-1985; Zohary, 1966-1986) and revisions (Doğan, 1999; Aytaç, 1997; Podlech, 1998a; Podlech, 1998b; Tuzlacı, 1987; Al-Eisawi & Jury 1988; Wagenitz & Hellwig, 2000).

A list is given in the Appendix of the taxa determined; cultivated plants are listed after natural plants, and, in addition, cultivar forms of the cultivated plants are given (TKB, 1999). The list of plants is set out according to the order in the Flora of Turkey. The following details are stated in the appendix: family name, species name, author(s), locality, altitude, collection date, habitat, name of the collector(s) and number. The phytogeographic region is given together with the species endemism and

the life forms of all taxa. The life forms mentioned in the text and appendix are abbreviated as follows: (Ph)–Phanerophyte, (Ch)–Chamaephyte, (H)–Hemicryptophyte, (Th)–Therophyte, (G)–Geophyte, (Vp)–Vascular Parasite, (cv.)–cultivar. Agricultural plants were not included in the rate of endemism and phytogeographic region elements. IUCN categories of species (*Astragalus antalyensis* A.Duran & Podlech, *A. cedreticola* A.Duran & Podlech, *Chaerophyllum aksekiense* A.Duran & H.Duman and *Tordylium ketenoglui* H.Duman & A.Duran) published recently are given (Duran & Duman, 1999a; Podlech, 1999). The IUCN categories are as follows: (CR)–Critically Endangered, (EN)–endangered, (VU)–Vulnerable (IUCN, 2000). The specimens are kept in the GAZI and ADO herbaria.

Discussion and Conclusions

This study was carried out with 2486 plant specimens collected over 3 years. As a result of the identification of the plant specimens 88 families, 484 genera and 1023 taxa (subsp. and var. included) were determined from the area. Seven of the 1023 taxa are from the *Pteridophyta* division; 1016 belong to the *Spermatophyta* division. Ten taxa are *Gymnospermae* and 1006 are in the subdivision *Angiospermae*. Eight hundred and forty-four taxa belong to the class *Dicotyledonae* and 162 belong to the class *Monocotyledonae*.

The taxa may be categorised according to phytogeographic region as follows: Mediterranean 360 (37.4%), Irano-Turanian 86 (8.9%) and Euro-Siberian 35 (3.6%). There are 481 (50%) taxa, of which some are of multi-regional or some of unknown phytogeographic regions at the moment. The ratio of phytogeographic region elements is compared with those in some other studies carried out in the region (Table 1).

The study area is located in the Mediterranean Phytogeographic Region and has a Mediterranean climate, which has typically arid summers. Therefore, in this research area, xerophyte plants adapted to an arid environment are common. Mediterranean elements are represented by the highest percentage in the flora. The research area borders the Irano-Turanian phytogeographic region. The effects of the Mediterranean phytogeographic region gradually decrease and those of the Irano-Turanian region increase

Table 1. Phytogeographic spreading of taxa from other studies (abbreviations are below the table)

Study	Aks.	Ant.	Yld.	Gyk.	Kgy.	Tşl.	Olp.	Sdş.	Dök.	Yşl.
Total taxa	1023	1027	473	703	400	1053	865	900	396	512
Mediterranean elements %	37.4	36.8	22.4	29	20.2	29	43	15.9	24.7	20.9
Irano-Turanian elements %	8.9	2.7	19.5	19.6	18	16.9	2	17	17.7	15.2
Euro-Siberian elements %	3.6	2.6	2.3	3.7	4.7	5.8	0.8	5.8	6.6	4.5
Multi-regional elements or those of unknown phytogeographic region %	50	58	55.8	47.7	57.1	48.2	54.2	58.3	51	59.4

Abbreviations:

Aks. : Flora of Tuzaklı, Otluk, Gidefi Mountains and Surroundings (Akseki)

Ant. : Flora of Antalya City (Göktürk and Sümbül, 1997)

Yld. : Yıldız Dağı (Akseki-Antalya) Florası (Dural et al., 1995)

Gyk. : Geyik Dağı'nın (Antalya) Florası (İlarslan et al., 1997)

Kgy. : Küçük Geyik Dağı (Bozkır) Florası (Çetik and Yurdakulol, 1982)

Tşl. : Taşeli Platosu Florası I, II, III, IV (Sümbül and Erik, 1988a, 1988b, 1990a, 1990b)

Olp. : Olimpos-Bey Dağları Milli Parkı'nın Florası (Peşmen, 1982)

Sdş. : Seydişehir Maden Bölgesi Florası (Ocakverdi, 1984a)

Dök. : Dökük Dağ (Beyşehir-Konya) Florası (Savran et al., 1995)

Yşl. : Yeşildağ-Kurucuova (Beyşehir) Florası (Serin and Çetik, 1984)

as the distance from the sea increases. Most of the Irano-Turanian taxa are found in the steppes above 1000 m. Spiny plants in cushion form are generally Irano-Turanian elements, which are often seen above the forest vegetation (Atalay, 1994). The occurrence ratio of Irano-Turanian elements comes after the ratio of Mediterranean elements in the study area. Euro-Siberian phytogeographic region elements have adapted to the Oceanic climate conditions. The study area is wholly outside the effect of the Black Sea region climate and is

not very suitable for Euro-Siberian taxa, thus the proportion of Euro-Siberian phytogeographic region elements is the lowest.

Phytogeographic regions are suggested for 12 taxa (Table 2). Sümbül and Erik (1988c) suggested that *Salvia adenocaulon* P.H.Davis is an E. Medit. (mt.) element, but this species shows a distribution between 650 and 1500 m. Therefore, *Salvia adenocaulon* is more likely to be an E. Medit. element.

Table 2. Phytogeographic regions recommended for the taxa

Species	Distribution area		Endemism state	Suggested phytogeographic regions for species
	In Turkey	Outside Turkey		
<i>Clypeola ciliata</i>	C2, C3	-	Endemic	E. Medit. (mt.)
<i>Gypsophila curvifolia</i>	C3, C4, C5	-	Endemic	E. Medit. (mt.)
<i>Astragalus cedreticola</i>	C3	-	Endemic	E. Medit.
<i>Astragalus antalyensis</i>	C3	-	Endemic	E. Medit. (mt.)
<i>Astragalus creticus</i>	C2, C3, C4	Islands	-	E. Medit.
<i>Rosa dumalis</i> subsp. <i>boisseri</i> var. <i>antalyensis</i>	C3	-	Endemic	E. Medit. (mt.)
<i>Alkanna verecunda</i>	C3, C4	-	Endemic	E. Medit.
<i>Salvia adenocaulon</i>	C3, C4, C5	-	Endemic	E. Medit.
<i>Minuartia leucocephala</i>	B3, C2, C3, C4, C5	-	Endemic	E. Medit. (mt.)
<i>Stellaria cilicica</i>	C3, C4, C5	Cyprus, Lebanon	-	E. Medit.
<i>Medicago doliata</i> var. <i>muricata</i>	B2, C3, C4, C5	France, Rhodes	-	Medit.
<i>Bupleurum erubescens</i>	C5, C3	-	Endemic	E. Medit.

Minuartia leucocephala (Boiss.) Mattf., which is a very common species in the Mediterranean regions, is also found in the Sultan Mountains. Although the Sultan Mountains are in Central Anatolia, the Mediterranean effect is seen in the area (Ocakverdi, 1984b). Therefore, it is suggested that *Minuartia leucocephala* is also an E. Medit. element.

The *Leguminosae* family, represented by 113 taxa, is the largest family in the study area. Many species of this family are cultivated in agricultural areas. In addition, some taxa are widespread especially in some habitats, such as macchie, pastures and open forests. The *Compositae* family is represented by cultivated plants less than by the *Leguminosae*. Some *Compositae* achenes spread easily on steppes due to the wind, and therefore they are represented by many taxa. The presentation of *Compositae* is restricted in the area due to the reasons above. There is a similarity in the representation of the families between the Flora of Turkey and this study. The large families in the area are *Compositae* (103 taxa), *Gramineae* (83 taxa), *Labiatae* (68 taxa), *Caryophyllaceae* (59 taxa), *Cruciferae* and *Umbelliferae* (56 taxa), *Liliaceae* (45 taxa), *Rosaceae* (34 taxa) and *Scrophulariaceae* (34 taxa).

Astragalus L., *Verbascum* L. and *Centaurea* L. are the largest genera in the Flora of Turkey. *Astragalus* is the fourth largest genus in this study area, and *Verbascum* and *Centaurea* are not among the ten most common genera in the floristic list (see Appendix). There are important differences in the representation rates of genera between the Flora of Turkey and this study. These differences may be assumed to be due to differences in geology, geomorphology, climate, phytogeography, geography and edaphic factors. Especially, *Astragalus* and *Verbascum* are localised on steppes in Central and East Anatolia. In the study area, the steppes are limited and the rainfall is above 1400 mm per year. Therefore, the species from *Astragalus* and *Verbascum* are not very common. *Sedum* L., which is the 40th genus in terms of number of species in the Flora of Turkey, is represented within the seven genera in the list, because this area is rocky and has various habitats suitable for many *Sedum* species (Table 3).

The taxa can also be classified according to their life form. All the taxa classified according to Raunkiaer's life form spectrum are given in Table 4 (Akman & Ketenoğlu, 1992).

Table 3. The number of species in the large genera in the study area

Genera	Number of Species
<i>Silene</i>	18
<i>Trifolium</i>	17
<i>Allium</i>	16
<i>Astragalus</i>	16
<i>Ranunculus</i>	15
<i>Veronica</i>	11
<i>Sedum</i>	11
<i>Galium</i>	10
<i>Anthemis</i>	10
<i>Medicago</i>	10

Table 4. Life Form

Life Form	Number of Species	Rate (%)
Phanerophyte (Ph)	107	10.4
Chamaephyte (Ch)	87	8.5
Hemicryptophyte (H)	398	38.9
Therophyte (Th)	345	33.7
Geophyte (G)	76	7.5
Vascular Parasite (Vp)	10	1.0
Total	1023	100

The study area includes all known vegetation layers except for the hot *Mediterranean*. Tuzaklı, Otluk and Gidefi mountains are located to the north of the villages of Murtıçı, Taşlıca, Güzelsu and Pınarbaşı. These mountains obstruct cold northern winds. Therefore, in the study area, there are many phanerophytes such as *Ceratonia siliqua* L., *Arbutus andrachne* L. and *Myrtus communis* L., which grow in the *hot Mediterranean layer*. In addition, the Mediterranean phytogeographic region is very rich in shrubs and trees. Each vegetation layer consists of more or less different phanerophytes. Thus, the occurrence proportion of the phanerophytes is rather high in the study area.

In this study, 1023 taxa from the research area have been identified. Sixty-one taxa are cultivated plants and 962 natural. One hundred and sixty-three (16'9%) of these 962 natural plants are endemic. One hundred and five endemic taxa are Mediterranean elements and 21 Irano-Turanian. The phytogeographic regions of 37 endemic taxa are unknown. There are no endemic taxa belonging to the Euro-Siberian element in the area (Duran, 1998).

Although the study area is not very large, four species were found namely *Astragalus antalyensis* A.Duran &

Podlech, *Astragalus cedreticola* A.Duran & Podlech, *Chaerophyllum aksekiense* A.Duran & H.Duman, *Tordylium ketenoglu* H.Duman & A.Duran new to science but published before (Podlech, 1999; Duran & Duman, 1999a).

Thirty-seven taxa show variation in morphologic characters which were not reported in the literature. (Davis, 1965-1985; Davis et al., 1988; Güner et al., 2000; Shishkin et al., 1949; Tutin et al., 1964-1980; Duran & Duman, 1999b; Pignatti et al., 1982; Aytaç, 1997; İlarıslan, 1996). These variations can be explained by climate, soil, geography and hybridisation. The characters will extend the border of the morphologic features of the species. These characters are given in the Appendix under the relevant taxa.

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APPENDIX

The Floristic List of Natural Plants

PTERIDOPHYTA

SINOPTERIDACEAE

Cheilanthes fragrans (L.f.) Sw.

C3 Antalya: Akseki, between Murtiçi and Taşlıca, 700 m, 4 v 1996, rock crevices, A.Duran 3507.

(H).

ADIANTACEAE

Adiantum capillus-veneris L.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 750 m, 30 iv 1996, damp places, A.Duran 3406.

(H).

ASPLENIACEAE

Asplenium trichomanes L.

C3 Antalya: Akseki, Pınarbaşı yayla, Daracık pass, 1850 m, 17 viii 1995, amongst rocks, A.Duran 3179.

(H).

Ceterach officinarum DC.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 8 iv 1995, on rocks, A.Duran 2149.

(H).

ATHYRIACEAE

Cystopteris fragilis (L.) Bernh.

C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 15 vii 1995, shady places, A.Duran 2798.

(H).

ASPIDIACEAE

Dryopteris pallida (Bory) Fomin

C3 Antalya: Akseki, Pınarbaşı village, south of Gidefi Mountain, 1550 m, 4 vii 1994, on shady rocks, A.Duran 1760.

Medit., (H).

POLYPODIACEAE

Polypodium australe Fée

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, wet places, A.Duran 3399.

(H).

SPERMATOPHYTA

GYMNOSPERMAE

PINACEAE

Abies cilicica (Antinori & Kotschy) Carr. subsp. *isaurica* Coode & Cullen

C3 Antalya: Akseki, Güzelsu, Otluk Mountain, vicinity of Kuyuönü, 1750 m, 6 vii 1994, forest, A.Duran 1968.

Endemic, E. Medit. (mt.), (Ph).

Cedrus libani A.Rich.

C3 Antalya: Akseki, Otluk Mountain, vicinity of Kuyuönü, 750 m, 6 vii 1994, forest, A.Duran 1969.

Medit. (mt.), (Ph).

Pinus brutia Ten.

C3 Antalya: Akseki, Güzelsu, vicinity of Serebil, 1050 m, 21 vii 1995, forest, A.Duran 3045.

E. Medit., (Ph).

CUPRESSACEAE

Cupressus sempervirens L.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 600 m, 30 iii 1996, macchie, A.Duran 3360.

(Ph).

Juniperus drupacea Labill.

C3 Antalya: Akseki, Pınarbaşı village, south of Gidefi Mountain, 1400 m, 4 vii 1994, mixed forest, A.Duran 1790.

(Ph).

J. oxycedrus L. subsp. *oxycedrus*

C3 Antalya: Akseki, Pınarbaşı village, south of Gidefi Mountain, 1400 m, 4 vii 1994, macchie, A.Duran 1789.

(Ph).

J. foetidissima Willd.

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1850 m, 4 vii 1994, stony places, A.Duran 1821.

(Ph).

J. excelsa M.Bieb.

C3 Antalya: Akseki, Güzelsu, south of Gidefi Mountain, 1500 m, 8 iv 1995, open forest, A.Duran 2118.

(Ph).

EPHEDRACEAE

Ephedra major Host

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1200 m, 12 x 1995, macchie, A.Duran 3291.

(Ch).

E. campylopoda C.A.Mey.

C3 Antalya: Akseki, Çukurköy, 750 m, 14 x 1995, stony slopes, A.Duran 3322.

(Ch).

ANGIOSPERMAE

DICOTYLEDONES

RANUNCULACEAE

Eranthis hyemalis (L.) Salisb.

C3 Antalya: Akseki, Geyran yayla, 1300 m, 7 iv 1995, open forest, A.Duran 2092.

(G).

Nigella arvensis L. subsp. *arvensis* var. *glauca* Boiss.

C3 Antalya: Akseki, between Çaltılıçukur and Değirmenler, 750 m, 22 vii 1995, open macchie, A.Duran 3068.

(Th).

Delphinium peregrinum L.

C3 Antalya: Akseki, Sadıklar village, 1050 m, 21 vii 1995, fallow fields, A.Duran 3004.

(Th).

Anemone blanda Schott & Kotschy

C3 Antalya: Akseki, Pınarbaşı village, between Çataloluk and Evlek, 1500 m, 8 v 1995, stony slopes, A.Duran 2279.

(G).

A. coronaria L.

C3 Antalya: Akseki, south of Fersinalanı, 550 m, 29 iii 1996, open macchie, A.Duran 3352.

Medit., (G).

Clematis vitalba L.

C3 Antalya: Akseki, Otluk Mountain, 1650 m, 5 vii 1994, forest, A.Duran 3270.

(Ph).

C. flammula L.

C3 Antalya: Akseki, Otluk Mountain, 1650 m, 5 vii 1994, forest, A.Duran 1935.

Medit., (Ph).

C. cirrhosa L.

C3 Antalya: Akseki, vicinity of Çukurköy, 750 m, 5 ii 1995, macchie, A.Duran 2113.

Medit., (Ph).

The specimens from our research area flower from January to February at an altitude of 800 m. It was previously reported in the Flora of Turkey that it blooms in March and April and grows at 350 m (l: 140) (Davis, 1965).

Adonis flammea Jacq.

C3 Antalya: Akseki, Geyran yayla, Aşağı Alan, 1300 m, 13 v 1995, rocky places, A.Duran 2350.

(Ph).

Ranunculus brevifolius Ten.

C3 Antalya: Akseki, Çukurköy yayla, north of Egerbeli Hill, 2200-2400 m, 17 vii 1995, screes, A.Duran 2840.

(H).

R. sericeus Banks & Sol.

C3 Antalya: Akseki, Geyran yayla, 1350 m, 9 vi 1995, wet places, A.Duran 2540.

Ir.-Tur., (H).

R. demissus DC. var. **major** Boiss.

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1750 m, 11 vi 1995, stony slopes, A.Duran 2726.

Endemic, (H).

R. velutinus Ten.

C3 Antalya: Akseki, Çukurköy, vicinity of Moru, 750 m, 5 v 1996, wet places, A.Duran 3573.

Medit., (H).

R. bulbosus L. subsp. **aleae** (Willk.) Rouy & Foucaud

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1150 m, 6 v 1995, fallow fields, A.Duran 2808.

(H).

This taxon was previously reported from A5 and A7 in Turkey. It is the first time this species has ever been collected from the study

area. It shows a distribution in the Mediterranean area, Trans-Caucasian region, northern Iraq and northern Iran. It is possible that this taxon is distributed in other parts of the Turkish Mediterranean region.

R. cf. kotschyi Boiss.

C3 Antalya: Akseki, Geyran yayla, 1350 m, 13 v 1995, moist places, A.Duran 2314.

(H).

R. constantinopolitanus (DC.) d'Urv.

C3 Antalya: Akseki, Geyran yayla, vicinity of Karakaya, 1300 m, 2 vi 1996, moist places, A.Duran 3850.

E. Medit., (H).

R. sprunerianus Boiss.

C3 Antalya: Akseki, Geyran yayla, vicinity of Karakaya, 1300 m, 2 vi 1996, screes, A.Duran 3850.

E. Medit., (H).

R. damascenus Boiss. & Gaill.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 8 iv 1995, wet places, A.Duran 2147.

Ir.-Tur., (H).

R. oxyspermus Willd.

C3 Antalya: Akseki, Güzelsu, vicinity of Katranlık, 1280 m, 28 v 1996, fields, A.Duran 3754.

(H).

R. gracilis Clarke

C3 Antalya: Akseki, Güzelsu, vicinity of Biladancık, 1300 m, 8 v 1995, moist places, A.Duran 2283.

(H).

R. marginatus d'Urv. var. **trachycarpus** (Fish. & C.A.Mey.) Azn.

C3 Antalya: Akseki, Çukurköy, vicinity of Gebedere, 700 m, 21 iv 1997, damp places, A.Duran 4160.

(Th).

R. chius DC.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, cultivated land, A.Duran 3423.

(Th).

R. arvensis L.

C3 Antalya: Akseki, Pınarbaşı village, 1150 m, 6 v 1995, fields, A.Duran 2215.

(Th).

R. ficaria L. subsp. **ficariiformis** Rouy & Foucaud

C3 Antalya: Akseki, Geyran yayla, 1300 m, 7 iv 1995, wet places, A.Duran 2093.

(H).

PAEONIACEAE

Paeonia mascula (L.) Mill. subsp. **mascula**

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğnağı, 1900 m, 18 vii 1995, rocky slopes, A.Duran 2911.

(H).

BERBERIDACEAE

Berberis crataegina DC.

C3 Antalya: Akseki, Salamut yayla, 1700 m, 17 viii 1995, stony slopes, A.Duran 3139.

(Ph).

PAPAVERACEAE

Glaucium leiocarpum Boiss.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 12 vi 1995, stony slopes and screes, A.Duran 2769.

(H).

Papaver apokrinomenon Fedde

C3 Antalya: Akseki, Geyran yayla, north of Otluk Mountain, 1400 m, 10 vi 1995, stony slopes, A.Duran 2656.

Endemic, (H).

P. gracile Boiss.

C3 Antalya: Akseki, Çukurköy, vicinity of Otmoca, 800 m, 5 v 1996, macchie, A.Duran 3579.

E. Medit., (Th).

P. rhoeas L.

C3 Antalya: Akseki, Güzelsu, 1200 m, 16 v 1995, roadsides, A.Duran 2436.

(Th).

P. argemone L. subsp. **argemone**

C3 Antalya: Akseki, Çukurköy, 650 m, 5 v 1996, serpentine places, A.Duran 3571.

(Th).

- Corydalis solida* (L.) Sw. subsp. *solida*
C3 Antalya: Akseki, Otluk Mountain, 1300 m, 7 iv 1995, slopes, A.Duran 2098.
(G).
- C. rutifolia* (Sibth. & Sm.) DC. subsp. *erdellii* (Zucc.) Cullen & P.H.Davis
C3 Antalya: Akseki, between Çataloluk and Evlek pass, 1600 m, stony slopes, A.Duran 2299.
(G).
- Fumaria densiflora* DC.
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 8 iv 1995, fields, A.Duran 2134.
(Th).
- F. cilicica* Hausskn.
C3 Antalya: Akseki, Çukurköy, vicinity of Dardağan, 750 m, 5 v 1996, fields borders, A.Duran 3595.
(Th).
- F. asepala* Boiss.
C3 Antalya: Akseki, Geyran yayla, near Kocaoluk, 1300 m, 9 vi 1995, stony places, A.Duran 2537-B.
Ir.-Tur., (Th).
- CRUCIFERAE (Brassicaceae)**
- Hirschfeldia incana* (L.) Lagr.-Foss.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 700 m, 2 v 1996, roadsides, A.Duran 3439.
(Th).
- Raphanus raphanistrum* L.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 600 m, 2 v 1996, fallow fields, A.Duran 3449.
(Th).
- Calepina irregularis* (Asso) Thell.
C3 Antalya: Akseki, between Güzelsu and Çaltılıçukur, 1100 m, 7 iv 1995, roadsides, A.Duran 2076.
(Th).
- Conringia grandiflora* Boiss. & Heldr.
C3 Antalya: Akseki, between Güzelsu and Serebil, 1100 m, 7 iv 1995, open macchie, A.Duran 2065.
Endemic, E. Medit., (Th).
- Fruiting pedicels (up to 10 mm long versus 3-5 mm long) and siliquae (up to 12.5 cm long versus 8-11 cm long) of the specimens above are longer than those in the Flora of Turkey (I: 276) (Davis, 1965).
- Cardaria draba* (L.) Desv. subsp. *chalepensis* (L.) O.E.Schulz
C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1100 m, 14 v 1995, roadsides, A.Duran 238.
(H).
- Isatis tinctoria* L. subsp. *corymbosa* (Boiss.) P.H.Davis
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğağı, 1900 m, 18 vii 1995, stony slopes, A.Duran 2917.
(H).
- Iberis sempervirens* L.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 12 vi 1995, rocky slopes, A.Duran 2760.
Medit., (Ch).
- I. attica* Jord.
C3 Antalya: Akseki, between Çaltılıçukur and Çukurköy, 1100 m, 16 v 1995, roadsides, A.Duran 2478.
E. Medit., (Th).
- Heldreichia bupleurifolia* Boiss.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 3 vii 1996, screes, A.Duran 4047.
(H).
- Style (c. 1 mm long versus c. 0.5 mm long) and fruiting pedicels (up to 13 mm long versus 3-5 mm long) of the specimens above are longer than those in the Flora of Turkey (I: 313) (Davis, 1965).
- Aethionema cordatum* (Desf.) Boiss.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğağı, 1900 m, 18 vii 1995, stony places, A.Duran 2886.
Ir.-Tur., (H).
- Ae. speciosum* Boiss. & Huet subsp. *speciosum*
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2200 m, 16 vii 1995, stony slopes, A.Duran 2817.
Ir.-Tur., (Ch).
- Siliquae (c. 11 x 10 mm versus c. 7-8 mm) of the specimens above are shorter than those in the Flora of Turkey (I: 322) (Davis, 1965).
- Ae. oppositifolium* (Pers.) Hedge
C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2250 m, 16 vii 1995, rocky slopes, A.Duran 2813.
(H).
- Ae. iberideum* (Boiss.) Boiss.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, rock crevices, A.Duran 2583.
(Ch).
- Ae. subulatum* (Boiss. & Heldr.) Boiss.
C3 Antalya: Akseki, south of Gidefi Mountain, 1450 m, 8 v 1995, rock crevices, A.Duran 2268.
Endemic, (Ch).
- Thlaspi kotschyianum* Boiss. & Hohen
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1900 m, 4 vi 1996, alpine slopes, A.Duran 3913.
(Th).
- T. perfoliatum* L.
C3 Antalya: Akseki, Geyran yayla, 1250 m, 13 v 1995, waste ground, A.Duran 2347.
(Th).
- T. ochroleucum* Boiss. & Heldr.
C3 Antalya: Akseki, Çukurköy yayla, Daracak pass, 1900 m, 4 vi 1996, alpine slopes, A.Duran 3893.
(Ch).
- Capsella bursa-pastoris* (L.) Medik.
C3 Antalya: Akseki, Pınarbaşı village, Çataloluk, 1400 m, 8 v 1995, cultivated land, A.Duran 3893.
(Th).
- Boreava orientalis* Jaub. & Spach
C3 Antalya: Akseki, Pınarbaşı village, Karağağaçlı Dere, 1150 m, 6 v 1995, fallow fields, A.Duran 2221-A.
(Th).
- Neslia apiculata* Fisch.
C3 Antalya: Akseki, Pınarbaşı village, 1100 m, 6 v 1995, field borders, A.Duran 2189.
(Th).

Peltaria angustifolia DC.

C3 Antalya: Akseki, Otluk Mountain, Şimşirliğözet Hill, 1200 m, 7 v 1995, open forest, A.Duran 2241.

(Th).

Ricotia sinuata Boiss. & Heldr.

C3 Antalya: Akseki, Çukurköy, vicinity of Istarlas, 950 m, 3 vi 1996, screes, A.Duran 3866.

Endemic, E. Medit., (Th).

Fibigia clypeata (L.) Medik.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1150 m, 6 v 1995, rocky slopes, A.Duran 2210.

(H).

F. eriocarpa (DC.) Boiss.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 6 v 1995, forest, A.Duran 2159.

(H).

Alyssum strictum Willd.

C3 Antalya: Akseki, Gidefi Mountain, 1600 m, 1 vii 1996, steppe, A.Duran 4006.

Ir.-Tur., (Th).

A. minus (L.) Rothm var. **micranthum** (C.A.Mey.) Dudley

C3 Antalya: Akseki, Otluk Mountain, Otluk Hill, 1400 m, 7 v 1995, open forest, A.Duran 2229.

(Th).

A. strigosum Banks & Sol. subsp. **strigosum**

C3 Antalya: Akseki, Geyran yayla, 1280 m, 13 v 1995, open Juniperus, A.Duran 2345.

(Th).

A. mouradicum Boiss. & Balansa

C3 Antalya: Akseki, Otluk Mountain, Otlukbeli Hill, 1400 m, 7 v 1995, stony places and steppe, A.Duran 2228.

(H).

A. baumgartnerianum Bornm.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2150 m, 17 viii 1995, rocky slopes, A.Duran 3156.

(Ch).

A. condensatum Boiss. & Hausskn. subsp. **flexibile** (Nyár.) Dudley

C3 Antalya: Akseki, Geyran yayla, 1600 m, 9 vi 1995, steppe, A.Duran 2495.

(H).

A. murale Waldst. & Kit. subsp. **murale** var. **murale**

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1300 m, 11 vi 1995, open macchie, A.Duran 2690.

(Ch).

Clypeola ciliata Boiss.

C3 Antalya: Akseki, Salamut yayla, 1640 m, 2 vii 1996, screes, A.Duran 4039.

Endemic, (Th).

Draba bruniifolia Stev. subsp. **heterocoma** (Fenzl) Coode & Cullen var. **heterocoma**

C3 Antalya: Akseki, Çukurköy yayla, Toptaş, 2050 m, 2 vi 1995, rocky slopes, A.Duran 2748.

(Ch).

D. muralis L.

C3 Antalya: Akseki, north of Pınarbaşı village, 950 m, 3 v 1996, Quercus forest, A.Duran 3486.

(Th).

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

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, serpentine places, A.Duran 3393.

(Th).

Arabis caucasica Willd. subsp. **brevifolia** (DC.) Cullen

C3 Antalya: Akseki, Pınarbaşı yayla, Daracık pass, 1850 m, 17 viii 1995, stony places, A.Duran 3180.

E. Medit. (mt.), (H).

A. sagittata (Bertol.) DC.

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Karaağaçlı, 1100 m, 8 v 1995, open forest, A.Duran 2292.

(H).

A. nova Vill.

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Karaağaçlı, 1150 m, 6 v 1995, fallow fields, A.Duran 2219.

(Th).

A. verna (L.) DC.

C3 Antalya: Akseki, Otluk Mountain, 1200 m, 7 v 1995, open forest, A.Duran 2250.

Medit., (Th).

Turritis laxa (Sibth. & Sm.) Hayek

C3 Antalya: Akseki, Pınarbaşı village, Çataloluk, 1400 m, 8 v 1995, Abies forest, A.Duran 2264.

(Th).

Nasturtium officinale R.Br.

C3 Antalya: Akseki, Çukurköy, 700 m, 30 iii 1996, wet places, A.Duran 3376.

(H).

Barbarea intermedia Boreau

C3 Antalya: Akseki, south of Gidefi Mountain, 1350 m, 8 v 1995, wet places, A.Duran 2286.

(H).

B. trichopoda Hausskn. ex Bornm.

C3 Antalya: Akseki, Geyran yayla, Karayılan pass 1500 m, 14 v 1995, open places, A.Duran 2418.

Endemic, (H).

B. minor K.Koch var. **eripoda** Busch

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1650 m, 11 vi 1995, steppe, A.Duran 2735.

(H). The features obtained in our specimens are siliquae 1 mm or more in broadness instead of 1 mm or less narrow as reported in the Flora of Turkey (I: 437-438) (Davis, 1965).

Cardamine graeca L.

C3 Antalya: Akseki, Otluk Mountain, 1200 m, 7 v 1995, wet places and Abies forest, A.Duran 2254.

(Th).

C. hirsuta L.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 30 v 1996, Pinus brutia forest, A.Duran 3778.

(Th).

Drabopsis verna K.Koch

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1850 m, 3 vii 1996, steppe, A.Duran 4052.

(Th).

Aubrieta deltoidea (L.) DC.

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1750 m, 4 vii 1994, rock crevices, A.Duran 1812.

(H).

Malcolmia chia (L.) DC.

C3 Antalya: Akseki, south of Otluk Mountain, 1200 m, 7 iv 1995, open forest, A.Duran 2108.

E. Medit., (Th).

Anchonium elichrysofolium (DC.) Boiss. subsp. *cilicicum* (Siehe ex Bornm.) Cullen & Coode

C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2100 m, 12 vi 1995, rocky slopes, A.Duran 2742.

(H).

Erysimum goniocaulon Boiss.

C3 Antalya: Akseki, Gidefi Mountain, 1500 m, 11 vi 1995, stony places, A.Duran 2705.

(H).

Our specimens have siliquae slightly tetragonal and 10-13 mm long. It is with tetragonal and 20-30 mm long in the Flora of Turkey (I: 469) (Davis, 1965).

E. *sintenisianum* Bornm.

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1650 m, 11 vi 1995, steppe, A.Duran 2740.

Endemic, Ir.-Tur., (H).

Alliaria petiolata (M.Bieb.) Cavara & Grande

C3 Antalya: Akseki, Geyran yayla, vicinity of Kocaoluk, 1400 m, 2 vi 1996, under Juglans, A.Duran 3838.

(Th).

Sisymbrium officinale (L.) Scop.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 700 m, 2 v 1996, roadsides, A.Duran 3438.

(Th).

CISTACEAE

Cistus creticus L.

C3 Antalya: Akseki, south of Güzelsu, 1200 m, 16 v 1995, macchie, A.Duran 2474.

Medit., (Ch).

C. salvifolius L.

C3 Antalya: Akseki, Murtiçi, 550 m, 4 v 1995, macchie, A.Duran 3528.

(Ch).

Helianthemum ledifolium (L.) Mill. var. *lasiocarpum* (Willk.) Bornm.

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, macchie, A.Duran 3635.

(Th).

H. salicifolium (L.) Mill.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, open forest and macchie, A.Duran 2164.

(Th).

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

C3 Antalya: Akseki, Murtiçi, 550 m, 4 v 1996, open macchie, A.Duran 3526.

(Th).

VIOLACEAE

Viola odorata L.

C3 Antalya: Akseki, Çaltılıçukur, Salamat yayla, 1600 m, 3 v 1996, wet places, A.Duran 3498.

(H).

V. isaurica Contandr. & Quézel

C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 15 vii 1995, stony places, A.Duran 2795.

Endemic, E. Medit., (H).

V. sieheana Becker

C3 Antalya: Akseki, Çukurköy, 750 m, 5 v 1996, damp places, A.Duran 3591.

(H).

V. heldreichiana Boiss.

C3 Antalya: Akseki, south of Gidefi Mountain, 1450 m, 8 v 1995, open forest, A.Duran 2270.

E. Medit., (Th).

POLYGALACEAE

Polygala pruinosa Boiss. subsp. *pruinosa*

C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1200 m, 21 vii 1995, fallow fields, A.Duran 3032.

(H).

CARYOPHYLLACEAE

Arenaria uninervia McNeill

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1750 m, 4 vii 1994, rock crevices, A.Duran 1810.

Endemic, (H).

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

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1050 m, 26 v 1996, rocky slopes, A.Duran 3701.

Endemic, E. Medit., (Th).

Pedicels (up to 35 mm long versus 5-12 mm long) of the specimens above are longer than those in the Flora of Turkey (II: 27) (Davis, 1966).

A. serpyllifolia L.

C3 Antalya: Akseki, Çaltılıçukur, Salamat yayla, 1550 m, 3 v 1996, stony places, A.Duran 3501.

(Th).

A. leptoclados (Rchb.) Guss.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 2 v 1996, open macchie, A.Duran 3475.

(Th).

A. isaurica Boiss.

C3 Antalya: Akseki, Geyran yayla, north of Otluk Mountain, 1600 m, 9 vi 1995, stony places, A.Duran 2486.

Endemic, (H).

Minuartia juniperina (L.) Maire & Petitm.

C3 Antalya: Akseki, Geyran yayla, north of Otluk Mountain, 1600 m, 9 vi 1995, stony places, A.Duran 2512.

(Ch).

M. rimarum (Boiss. & Balansa) Mattf.
var. **rimarum**

C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2100 m, 12 vi 1995, stony slopes, A.Duran 2747.

Endemic, Ir.-Tur., (Ch).

M. meyeri (Boiss.) Bornm.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1050 m, 26 v 1996, open forest, A.Duran 3691.

Ir.-Tur., (Th).

M. globulosa (Labill.) Schinz & Thell.

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1650 m, 1 vii 1996, steppe, A.Duran 4013.

E. Medit., (Th).

M. hamata (Hausskn.) Mattf.

C3 Antalya: Akseki, Geyran yayla, 1300 m, 13 v 1995, open forest, A.Duran 2346.

(Th).

M. leucocephala (Boiss.) Mattf.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1850 m, 3 vii 1996, steppe, A.Duran 4054.

Endemic, (Th).

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

C3 Antalya: Çukurköy, vicinity of Sullahbelen, 700 m, 27 iv 1996, fallow fields, A.Duran 3382.

E. Medit., (Th).

M. mesogitana (Boiss.) Hand.-Mazz.
subsp. **kotschyana** (Boiss.) McNeill

C3 Antalya: Akseki, Çukurköy, vicinity of Kocaorman, 700 m, 5 v 1996, serpentine places, A.Duran 3563.

(Th).

M. mediterranea (Ledeb.) K.Malý

C3 Antalya: Akseki, north of Güzelsu, 1200 m, 22 vii 1995, open forest, A.Duran 3108.

E. Medit., (Th).

Stellaria media (L.) Vill. subsp. **media**

C3 Antalya: Akseki, Geyran yayla, Karayılan pass, 1400 m, 14 v 1995, slopes, A.Duran 2414.

(Th).

S. media (L.) Vill. subsp. **pallida**
(Dumort.) Asch. & Graebn.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, cultivated land, A.Duran 3407.

(Th).

S. cilicica Boiss. & Balansa

C3 Antalya: Akseki, Geyran yayla, 1250 m, 13 v 1995, open forest, A.Duran 2425.

(Th).

Cerastium anomalum Waldst. & Kit.

C3 Antalya: Akseki, Geyran yayla, 1500 m, 14 v 1995, wet places, A.Duran 2425.

(Th).

C. macranthum Boiss.

C3 Antalya: Akseki, north of Gidefi Mountain, 1750 m, 11 vi 1995, steppe, A.Duran 1722.

Endemic, (H).

C. glomeratum Thuill.

C3 Antalya: Akseki, Otluk Mountain, vicinity of Anbolu, 1500 m, 16 v 1995, pastures, A.Duran 2453.

(Th).

C. brachypetalum Pers. subsp. **roeseri**
(Boiss. & Heldr.) Nyman

C3 Antalya: Akseki, Geyran yayla, Karayılan pass, 1400 m, 14 v 1995, open forest, A.Duran 2415.

(Th).

C. fragillimum Boiss.

C3 Antalya: Akseki, Geyran yayla, 1250 m, 13 v 1995, open forest, A.Duran 2353.

(Th).

Bufonia calyculata Boiss. & Balansa

C3 Antalya: Akseki, between Çaltılıçukur and Değirmenler, 650 m, 22 vii 1995, rock crevices, A.Duran 3074.

Endemic, (H).

Our specimens have inner sepals 5-nerved and inflorescence loose. It is with inner sepals 7-nerved and inflorescence strict in the Flora of Turkey (II: 89) (Davis, 1966).

Spergularia bocconii (Scheele) Asch. & Graebn.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1850 m, 3 vii 1996, pastures, A.Duran 4048.

Medit., (Th).

Polycarpon tetraphyllum (L.) L.

C3 Antalya: Akseki, Murtıçı, 550 m, 4 v 1996, fallow fields, A.Duran 3519.

(Th).

Telephium imperati L. subsp. **orientale**
(Boiss.) Nyman

C3 Antalya: Akseki, Güzelsu, 1250 m, 29 vi 1996, stony places, A.Duran 3931.

(H).

Dianthus anatolicus Boiss.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2200 m, 16 vii 1995, stony places, A.Duran 2803.

Endemic, (H).

D. micranthus Boiss. & Heldr.

C3 Antalya: Akseki, Çukurköy yayla, Daracık pass, 1850 m, 17 viii 1995, steppe, A.Duran 3164.

(H).

D. corymbosus Sibth. & Sm.

C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1250 m, 10 vi 1995, open forest, A.Duran 2652.

(H).

D. zonatus Fenzl var. **zonatus**

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, rock crevices, A.Duran 1768.

(Ch).

Calyces (24-26 mm long versus 13-19 mm long) of the specimens above are longer than those in the Flora of Turkey (II: 127-128) (Davis, 1966).

D. calocephalus Boiss.

C3 Antalya: Akseki, Otluk Mountain, 1500 m, 6 vii 1994, macchie, A.Duran 1936.

(H).

Stem (100-130 cm long versus 30-70 cm long) of the specimens above are longer than those in the Flora of Turkey (II: 127-128) (Davis, 1966).

Petrorhagia peroninii (Boiss.) P.W.Ball & Heywood

C3 Antalya: Akseki, Çukurköy, vicinity of Gebedere, 600 m, 24 x 1995, macchie, A.Duran 3341.

Endemic, E. Medit., (Th).

P. velutina (Guss.) P.W.Ball & Heywood

C3 Antalya: Akseki, Çukurköy, vicinity of Sullahbelen, 700 m, 23 iv 1995, fallow fields, A.Duran 2257.

(Th).

Velezia rigida L.

C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1200 m, 20 vi 1995, fallow fields, A.Duran 2631.

(Th).

Saponaria pumilio Boiss.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1850 m, 4 vii 1996, stony places, A.Duran 4069.

(Ch).

S. pinetorum Hedge var. *elatior* Ekim & Hedge

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1300 m, 10 vi 1995, Abies forest, A.Duran 2615.

Endemic, Ir.-Tur., (Ch).

S. kotschyi Boiss.

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 10 vi 1995, macchie, A.Duran 2660.

Endemic, (Th).

Gypsophila curvifolia Fenzl

C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1300 m, 6 vii 1994, stony places, A.Duran 1943.

Endemic, (Ch).

G. pilosa Huds.

C3 Antalya: Akseki, between Güzelsu and Çaltılıçukur, 1200 m, 22 vii 1995, roadsides, A.Duran 3104.

Ir.-Tur., (Th).

Vaccaria pyramidata Medik. var. *oxyodonta* (Boiss.) D.Zohary

C3 Antalya: Akseki, Çukurköy, 700 m, 25 v 1996, cultivated land, A.Duran 3616.

Ir.-Tur., (Th).

Silene italica (L.) Pers.

C3 Antalya: Akseki, Güzelsu, vicinity of Kuyuönü, 1400 m, 16 v 1995, open forest, A.Duran 2464.

(H).

S. caramanica Boiss. & Heldr.

C3 Antalya: Akseki, east of Çukurköy yayla, 2000 m, 5 vii 1996, stony places, A.Duran 4090.

Endemic, (Ch).

Our specimens have cauline leaves up to 9 mm broad and calyces 25-30 mm long. It is with cauline leaves less than 5 mm broad and calyces 22-24 mm long in the Flora of Turkey (II: 197) (Davis, 1966).

S. spergulifolia (Desf.) M.Bieb.

C3 Antalya: Akseki, Geyran yayla, vicinity of Kocaoluk, 1350 m, 2 vi 1996, steppe, A.Duran 3860.

Ir.-Tur., (H).

S. supina M.Bieb. subsp. *pruinosa* (Boiss.) Chowdhuri

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2050 m, 19 vii 1995, rocky slopes, A.Duran 2937.

(H).

S. oreades Boiss. & Heldr.

C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2150 m, 17 viii 1995, rock crevices, A.Duran 3146.

Endemic, (H).

S. odontopetala Fenzl

C3 Antalya: Akseki, north of Otluk Mountain, 1500 m, 9 vi 1995, rock crevices, A.Duran 2790.

(Ch).

S. vulgaris (Moench) Garcke var. *vulgaris*

C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, pastures, A.Duran 2593.

(H).

S. vulgaris (Moench) Garcke var. *macrocarpa* (Turriell) Coode & Cullen

C3 Antalya: Akseki, Güzelsu, 1300 m, 29 v 1996, Cedrus libani forest, A.Duran 3775.

(H).

S. leptoclada Boiss.

C3 Antalya: Akseki, south of Otluk Mountain, 1400 m, 29 vi 1996, rock crevices, A.Duran 3954.

Endemic, E. Medit., (Ch).

S. rhynchocarpa Boiss.

C3 Antalya: Akseki, Geyran yayla, 1350 m, 9 vi 1995, rocky slopes and steppe, A.Duran 2548.

(H).

S. alba (Mill.) Krause subsp. *divaricata* (Rchb.) Walters

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğnağı, 1900 m, 18 vii 1995, stony places, A.Duran 2898.

(H).

S. rigidula Sibth. & Sm.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 18 viii 1995, macchie, A.Duran 3189.

E. Medit., (Th).

S. aegyptiaca (L.) L. subsp. *aegyptiaca*

C3 Antalya: Akseki, Çukurköy yayla, 1900 m, 18 vii 1995, stony places and roadsides, A.Duran 2897.

(Th).

S. behen L.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 2 v 1996, macchie, A.Duran 3450.

(Th).

S. papillosa Boiss.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 25 v 1996, open macchie, A.Duran 3675.

E. Medit., (Th).

S. dichotoma Ehrh. subsp. *dichotoma*

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 14 v 1995, macchie, A.Duran 2370.

(H).

S. gallica L.

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, macchie, A.Duran 3625.

(Th).

S. conoidea L.

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1100 m, 14 v 1995, roadsides, A.Duran 2371.

(Th).

Agrostemma githago L.

C3 Antalya: Akseki, Çukurköy yayla, 16 v 1995, cultivated land, A.Duran 2444.

(Th).

ILLECEBRACEAE

Herniaria incana Lam.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğnağı, 1900 m, 18 vii 1995, steppe, A.Duran 2878.

(H).

The features obtained in our specimens are leaves up to 12 x 5-5.5 mm, the leaf surface sparsely stiff whitish hairy and the leaf margin ciliate, instead of leaves up to 12 x 3 mm and surfaces of leaves densely stiff whitish hairs as in the Flora of Turkey (II: 248-249) (Davis, 1966).

Paronychia polygonifolia (Vill.) DC.

C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 16 viii 1995, steppe, A.Duran 3126.

(H).

P. mughlae Chaudhri

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2250 m, 16 vii 1995, stony places, A.Duran 2799.

Endemic, E. Medit., (H).

The features obtained in our specimens are shoots sparsely pilose and stipules usually longer than leaves or as long as leaves instead of shoots densely pilose and stipules often shorter than leaves as reported in the Flora of Turkey (II: 256) (Davis, 1966).

Scleranthus uncinatus Schur

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1950 m, 3 vii 1996, stony places, A.Duran 4062.

(H).

POLYGONACEAE

Atraphaxis billardieri Jaub. & Spach var. *billardieri*

C3 Antalya: Akseki, Gidefi Mountain, 1850 m, 4 vii 1994, stony places, A.Duran 1857.

(Ch).

Oxyria digyna (L.) Hill

C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 5 vii 1996, screes, A.Duran 4094.

(H).

Polygonum salebrosum Coode & Cullen

C3 Antalya: Akseki, Çaltılıçukur, Salamut yayla, 1650 m, 13 x 1995, stony places, A.Duran 3314.

Endemic, (H).

P. cognatum Meisn.

C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, stony places, A.Duran 2599.

(H).

P. arenastrum Boreau

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1500 m, 4 vii 1994, roadsides, A.Duran 1704.

(Th).

P. bellardii All.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğnağı, 1900 m, 18 vii 1995, stony steppe, A.Duran 2889-B.

(Th).

Rumex scutatus L.

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1780 m, 5 vii 1994, stony places, A.Duran 1860.

(H).

R. tuberosus L. subsp. *horizontalis* (Koch) Rech.

C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, stony places, A.Duran 2595.

(H).

R. crispus L.

C3 Antalya: Akseki, Geyran yayla, 1450 m, 9 vi 1995, waste ground, A.Duran 2532.

(H).

R. pulcher L.

C3 Antalya: Akseki, Çukurköy, Dardağan Dere, 800 m, 5 v 1996, open macchie, A.Duran 3589.

(H).

CHENOPODIACEAE

Chenopodium botrys L.

C3 Antalya: Akseki, Pınarbaşı yayla, Çatma Alani, 1500 m, 20 vii 1995, roadsides, A.Duran 2961.

(Th).

C. foliosum (Moench) Asch.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğnağı, 1900 m, 18 vii 1995, steppe, A.Duran 2871.

(Th).

C. vulvaria L.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğnağı, 1900 m, 18 vii 1995, stony steppe, A.Duran 2894.

(Th).

C. album L. subsp. *album* var. *album*

C3 Antalya: Akseki, Sadıklar village, 1050 m, 21 vii 1995, cultivated land, A.Duran 3039.

(Th).

Atriplex patula L.

C3 Antalya: Akseki, Çukurköy yayla, Eşekçukuru vicinity, 1900 m, 13 x 1995, steppe, A.Duran 3313.

(Th).

Noaea mucronata (Forssk.) Asch. & Schweinf. subsp. *mucronata*

C3 Antalya: Akseki, Pınarbaşı yayla (Softalı), 1750 m, 17 viii 1995, stony steppe, A.Duran 3145.

(H).

AMARANTHACEAE

Amaranthus patulus Berthel.

C3 Antalya: Akseki, Güzelsu, 1200 m, 12 x 1995, field borders, A.Duran 3301.

(Th).

CYNOCRAMBACEAE

Theligonum cynocrambe L.

C3 Antalya: Akseki, Çukurköy, Karataş, 800 m, 30 iv 1996, cultivated land and rock crevices, A.Duran 3412.

(Th).

PHYTOLACCACEAE

Phytolacca americana L.

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1400 m, 11 vi 1995, roadsides, A.Duran 2686.

(H).

P. pruinosa Fenzl

C3 Antalya: Akseki, between Güzelsu and Sadıklar, 1000 m, 12 x 1995, roadsides, A.Duran 3288.

E. *Medit.*, (Ch).

Our specimens have perianth segments pomegranate red. They are greenish in the Flora of Turkey (II: 347-348) (Davis, 1966).

GUTTIFERAE (Hypericaceae)

Hypericum hircinum L. subsp. *majus* (Aiton) Robson

C3 Antalya: Akseki, Çukurköy, Karataş, 800 m, 8 vii 1996, near rill, A.Duran 4111.

Medit., (Ch).

H. lydium Boiss.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 30 v 1996, *Pinus brutia* forest, A.Duran 3782.

(H).

H. scabrum L.

C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2200 m, 4 vii 1996, rocky slopes, A.Duran 4063.

Ir.-Tur., (H).

H. lanuginosum Lam. var. *scabrellum* (Boiss.) Robson

C3 Antalya: Akseki, Taşlıca village, Tuzaklı, 930 m, 28 v 1996, rock crevices, A.Duran 3735.

Endemic, E. *Medit.*, (Ch).

H. polyphyllum Boiss. & Balansa subsp. *subcordatum* Robson & Hub.-Mor.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 31 v 1996, macchie, A.Duran 3803.

Endemic, E. *Medit.*, (Ch).

H. origanifolium Willd.

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1100 m, 14 v 1995, stony places, A.Duran 2387.

(H).

H. aviculariifolium Jaub. & Spach subsp. *depilatum* (Frey & Bornm.) Robson var. *leprosum* (Boiss.) Robson

C3 Antalya: Akseki, Çukurköy yayla, Eğerbeli Hill, 2400 m, 17 vii 995, stony places, A.Duran 2847.

Endemic, E. *Medit.*, (H).

H. perforatum L.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 25 v 1996, open macchie, A.Duran 3655.

(H).

H. triquetrifolium Turra

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 6 vii 1996, open macchie, A.Duran 4122.

(H).

MALVACEAE

Hibiscus trionum L.

C3 Antalya: Akseki, Güzelsu, Miyarönü, 1200 m, 20 viii 1995, field borders, A.Duran 3258.

(Th).

Malva neglecta Wallr.

C3 Antalya: Akseki, Çukurköy yayla, Tekeğnağı, 1900 m, 18 vii 1995, steppe, A.Duran 2872.

(H).

Alcea apterocarpa (Fenzl) Boiss.

C3 Antalya: Akseki, Güzelsu, 1200 m, 12 x 1995, fallow fields, A.Duran 3297.

Endemic, Ir.-Tur., (H).

A. pallida Waldst. & Kit.

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, stony places, A.Duran 1758.

(H).

Althaea cannabina L.

C3 Antalya: Akseki, around Sadıklar village, 1100 m, 21 vii 1995, open macchie, A.Duran 3054.

(H).

LINACEAE

Linum nodiflorum L.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, open macchie, A.Duran 3693.

Medit., (Th).

L. virgultorum Boiss. & Heldr.

C3 Antalya: Akseki, Otluk Mountain, 1100 m, 7 v 1995, stony places, A.Duran 2236.

E. *Medit.*, (Th).

GERANIACEAE

Geranium glaberrimum Boiss. & Heldr.

C3 Antalya: Akseki, Otluk Mountain, Şimşirliğözet Hill, 1100 m, 7 v 1995, rock crevices, A.Duran 2249.

Endemic, E. *Medit.* (mt.), (Ch).

The features obtained in our specimens are leaves 2-6 cm diameter and sepal awn 1-1.5 mm long instead of leaves 2-4 cm diameter and sepal awn 0.2-0.7 mm long as reported in the Flora of Turkey (II: 454) (Davis, 1966).

G. lasiopus Boiss. & Heldr.

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 8 iv 1995, rock crevices, A.Duran 2124.

Endemic, Ir.-Tur., (Ch).

The features obtained in our specimens are leaves 2-6 cm diameter and sepal awn 1-2 mm long instead of leaves 2-2.5 cm diameter and sepal awn 0.2-0.5 mm long as reported in the Flora of Turkey (II: 454-456) (Davis, 1966).

G. lucidum L.

C3 Antalya: Akseki, between Murtiçi and Taşlıca, 800 m, 30 iii 1996, open macchie, A.Duran 3368.

(Th).

G. purpureum Vill.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, forest, A.Duran 2166.

(Th).

G. rotundifolium L.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, cultivated land, A.Duran 3420.

(Th).

G. molle L. subsp. *molle*

C3 Antalya: Akseki, between Çaltılıçukur and Güzelsu, 1150 m, 7 iv 1995, wet places, A.Duran 2080.

(Th).

G. dissectum L.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, cultivated land, A.Duran 3419.

(Th).

G. tuberosum L. subsp. *tuberosum*

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1100 m, 14 v 1995, stony places, A.Duran 2381.

(G).

G. cinereum Cav. subsp. *subcaulescens* (L'Hér. ex DC.) Hayek var. *subcaulescens*

C3 Antalya: Akseki, Geyran yayla, Karakaya Hill, 1600 m, 13 v 1995, stony places, A.Duran 2322.

(H).

Erodium hoefftianum C.A.Mey.

C3 Antalya: Akseki, Murtiçi, 550 m, 4 v 1996, macchie, A.Duran 3529.

(Th).

E. gruinum (L.) L'Hér.

C3 Antalya: Akseki, Çukurköy, Sullahbelen, 700 m, 27 iv 1996, fallow fields, A.Duran 3387.

E. Medit., (Th).

E. malacoides (L.) L'Hér.

C3 Antalya: Akseki, Güzelsu, 1200 m, 29 vi 1996, around village, A.Duran 3946.

Medit., (Th).

E. cicutarium (L.) L'Hér. subsp. *cicutarium*

C3 Antalya: Akseki, south of Gidefi Mountain, 1350 m, 8 v 1995, open forest, A.Duran 2288.

(Th).

Pelargonium endlicherianum Fenzl

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, screes, A.Duran 1756.

(H).

ZYGOPHYLLACEAE

Tribulus terrestris L.

C3 Antalya: Akseki, Sadıklar village, 1000 m, 21 vii 1995, cultivated land, A.Duran 3029.

(Th).

ACERACEAE

Acer hyrcanum Fisch. & C.A.Mey. subsp. *tauricum* (Boiss.& Balansa) Yalt.

C3 Antalya: Akseki, Pınarbaşı village, Çataloluk, 1450 m, 6 vii 1996, mixed forest, A.Duran 4100.

E. Medit., (Ph).

A. hyrcanum Fisch. & C.A.Mey. subsp. *sphaerocaryum* Yalt.

C3 Antalya: Akseki, between Evlek pass and Geyran yayla, 1650 m, 5 vii 1994, stony places, A.Duran 1926.

Endemic, E. Medit., (Ph).

A. monspessulanum L. subsp. *monspessulanum*

C3 Antalya: Akseki, between Taşlıca and Serebil, 930 m, 1 vi 1996, forest, A.Duran 3818.

(Ph).

VITACEAE (Ampelidaceae)

Vitis sylvestris C.C.Gmel.

C3 Antalya: Akseki, Çukurköy, 700 m, 25 v 1996, forest, A.Duran 3597.

(Ph).

Ampelopsis orientale (Lam.) Planch.

C3 Antalya: Akseki, Otluk Mountain, Evlek pass, 1800 m, 4 vii 1994, rocky slopes, A.Duran 1816.

(Ch).

RHAMNACEAE

Paliurus spina-christi Mill.

C3 Antalya: Akseki, Çukurköy, 750 m, 4 vii 1994, macchie, A.Duran 1689.

(Ph).

Rhamnus libanoticus Boiss.

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1600 m, 4 vii 1994, stony places, A.Duran 1702.

E. Medit., (Ph).

R. nitidus P.H.Davis

C3 Antalya: Akseki, between Pınarbaşı village and Çataloluk, 1400 m, 20 vii 1995, open forest, A.Duran 1702.

Endemic, Medit. (mt.), (Ph).

R. oleoides L. subsp. *graecus* (Boiss. & Ruet.) Holmboe

C3 Antalya: Akseki, Gidefi Mountain, 1850 m, 4 vii 1994, stony places, A.Duran 1858.

E. Medit., (Ph).

R. pyrellus O.Schwarz

C3 Antalya: Akseki, north of Pınarbaşı village, 1150 m, 23 viii 1995, macchie, A.Duran 3084.

Endemic, E. Medit., (Ph).

Our specimens have young spines more or less pubescent. It is with glabrous spines in the Flora of Turkey (II: 540) (Davis, 1966).

ANACARDIACEAE

Cotinus coggyria Scop.

C3 Antalya: Akseki, Çukurköy, 850 m, 16 v 1995, macchie, A.Duran 2243.

(Ph).

Rhus coriaria L.

C3 Antalya: Akseki, Sadıklar village, 1050 m, 21 vii 1995, around village, A.Duran 3008.

(Ph).

Pistacia terebinthus L. subsp. *terebinthus*

C3 Antalya: Akseki, between Güzelsu and Sadıklar village, 1150 m, 20 viii 1995, macchie, A.Duran 3228.

Medit., (Ph).

P. terebinthus L. subsp. *palaestina* (Boiss.) Eng.

C3 Antalya: Akseki, Çukurköy, 800 m, 8 iv 1995, macchie, A.Duran 2115.

Medit., (Ph).

LEGUMINOSAE (Fabaceae)

Ceratonia siliqua L.

C3 Antalya: Akseki, Çukurköy, Gebedere, 500 m, 21 iv 1997, macchie, A.Duran 4155.

Medit., (Ph).

Cercis siliquastrum L. subsp. *hebecarpa* (Bornm.) Yalt.

C3 Antalya: Akseki, Çukurköy, 700 m, 5 v 1996, macchie, A.Duran 3574.

(Ph).

Gonocytisus angulatus (L.) Spach

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 850 m, 18 viii 1995, macchie, A.Duran 3193.

E. Medit., (Ph).

Genista lydia Boiss. var. *lydia*

C3 Antalya: Akseki, Güzelsu, vicinity of Yazıçı, 1050 m, 3 vi 1996, macchie, A.Duran 3876.

E. Medit., (Ch).

Spartium junceum L.

C3 Antalya: Akseki, Çukurköy, 750 m, 16 v 1995, macchie, A.Duran 2437.

Medit., (Ph).

- Calicotome villosa* (Poir.) Link
C3 Antalya: Akseki, Çukurköy, 800 m, 8 iv 1995, macchie, A.Duran 2116.
Medit., (Ph).
- Adenocarpus complicatus* (L.) Gay
C3 Antalya: Akseki, Otluk Mountain, between Güzelsu and Geyran yayla, 1400 m, 6 vii 1994, macchie, A.Duran 1933.
(Ph).
- Lupinus varius* L.
C3 Antalya: Akseki, Taşlıca, Tuzaklı Mountain, 850 m, 4 v 1996, open Juniperus, A.Duran 3545.
Medit. (Th).
- Colutea cilicica* Boiss. & Balansa
C3 Antalya: Akseki, Otluk Mountain, between Güzelsu and Geyran yayla, 1450 m, 6 vii 1994, macchie, A.Duran 1929.
(Ph).
- C. melanocalyx* Boiss. & Heldr. subsp. *melanocalyx*
C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1100 m, 14 v 1995, open Cedrus libani, A.Duran 2397.
Endemic, E. Medit., (Ph).
- Biserrula pelecinus* L.
C3 Antalya: Akseki, Çukurköy, Kocaorman, 650 m, 5 v 1996, serpentine places, A.Duran 3564.
Medit., (Th).
- Astragalus hamosus* L.
C3 Antalya: Akseki, Çukurköy, Sullahbelen, 700 m, 25 v 1996, open macchie, A.Duran 3681.
(Th).
- A. stella* Gouan
C3 Antalya: Akseki, Çukurköy, 900 m, 16 v 1995, open macchie, A.Duran 2438.
Medit., (Th).
- A. macrourus* Fisch. & C.A.Mey.
C3 Antalya: Akseki, Çukurköy yayla, Tekeğnağı, 1900 m, 18 vii 1995, stony places, A.Duran 2904.
Ir.-Tur., (H).
- A. cedreticola* A.Duran & Podlech
C3 Antalya: Akseki, Pınarbaşı village, Softalar yayla, 1800 m, 4 vi 1996, Cedrus libani forest, A.Duran 3900.
Endemic, E. Medit., (H), (VU).
- A. depressus* L. var. *depressus*
C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2200 m, 16 vii 1995, stony places, A.Duran 2805.
(H).
- A. lusitanicus* Lam. subsp. *orientalis* Chater & Meikle
C3 Antalya: Akseki, Çukurköy, vicinity of Alçaktepe, 950 m, 9 v 1995, open forest, A.Duran 2300.
E. Medit., (H).
- A. gummifer* Labill.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 21 vii 1995, steppe, A.Duran 2993.
Ir.-Tur., (Ch).
- A. creticus* Lam.
C3 Antalya: Akseki, Gidefi Mountain, 1850 m, 4 vii 1994, stony steppe, A.Duran 1830.
(Ch).
- A. prusianus* Boiss.
C3 Antalya: Akseki, north of Pınarbaşı village, 1300 m, 20 vii 1995, fallow fields, A.Duran 2951.
Endemic, E. Medit., (Ch).
- A. mitchelianus* Boiss.
C3 Antalya: Akseki, between Sadıklar village and Morualanı, 1150, 21 vii 1995, open macchie, A.Duran 3046.
Endemic, (Ch).
- A. lineatus* Lam. var. *lineatus*
C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2200 m, 16 vii 1995, stony places, A.Duran 2814.
(H).
- A. amoenus* Fenzl
C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1400 m, 19 viii 1995, steppe, A.Duran 3204.
Endemic, (H).
- A. seydishehircicus* Kit Tan & Ocakv.
C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1650 m, 1 vii 1996, steppe, A.Duran 4008.
Endemic, E. Medit., (H).
- A. schizopterus* Boiss.
C3 Antalya: Akseki, between Güzelsu and Çatlıçukur, 1100 m, 7 iv 1995, roadsides, A.Duran 2058.
Endemic, E. Medit., (Ch).
- A. antalyensis* A.Duran & Podlech
C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2200 m, 16 vii 1995, stony places, A.Duran 2792.
Endemic, E. Medit. (mt), (H), (CR).
- A. angustifolius* Lam. subsp. *angustifolius* var. *angustifolius*
C3 Antalya: Akseki, Geyran yayla, 1500 m, 9 vi 1995, steppe, A.Duran 2514.
(Ch).
- Psoralea bituminosa* L.
C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 14 vii 1995, macchie, A.Duran 2403, Medit.
(H).
- Cicer isauricum* P.H.Davis
C3 Antalya: Akseki, Pınarbaşı village, Çataloluk, 1550 m, 20 vii 1995, open Abies, A.Duran 2973.
Endemic, E. Medit., (H).
- Vicia cracca* L. subsp. *stenophylla* Velen.
C3 Antalya: Akseki, Geyran yayla, 1500 m, 5 vii 1994, steppe, A.Duran 1928.
(H).
- V. hirsuta* (L.) Gray
C3 Antalya: Akseki, Murtıçı, 550 m, 4 v 1996, Pinus brutia forest, A.Duran 3535.
(Th).
- V. hybrida* L.
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, roadsides, A.Duran 2174.
(Th).
- V. lathyroides* L.
C3 Antalya: Akseki, Geyran yayla, 1300 m, 13 v 1995, macchie, A.Duran 2357.
(Th).

- V. sativa* L. subsp. *sativa*
 C3 Antalya: Akseki, between Murtıçı and Taşlıca, 700 m, 4 v 1996, macchie, A.Duran 3509.
 (Th).
- V. sativa* L. subsp. *nigra* (L.) Ehrh. var. *nigra*
 C3 Antalya: Akseki, Çukurköy, Sullahbelen, 700 m, 25 v 1996, roadsides, A.Duran 3687.
 (Th).
- V. bithynica* L.
 C3 Antalya: Akseki, Çukurköy, Menteşe, 700 m, 25 v 1996, macchie, A.Duran 3621.
 (Th).
- V. narbonensis* L. var. *narbonensis*
 C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 8 v 1995, open forest, A.Duran 2290.
 (Th).
- Lens ervoides* (Brign.) Grande
 C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 30 v 1996, Pinus brutia forest, A.Duran 3779.
 Medit., (Th).
- L. orientalis* (Boiss.) Hand.- Mazz.
 C3 Antalya: Akseki, between Murtıçı and Çukurköy, 650 m, 2 v 1996, macchie, A.Duran 3474-A.
 (Th).
- Lathyrus digitatus* (M.Bieb.) Fiori
 C3 Antalya: Akseki, Otluk Mountain, 1400 m, 7 v 1995, open forest, A.Duran 2230.
 E. Medit., (H).
- L. laxiflorus* (Desf.) Kuntze subsp. *laxiflorus*
 C3 Antalya: Akseki, Otluk Mountain, 1200 m, 7 v 1995, Abies forest, A.Duran 2251.
 (H).
- L. tuberosus* L.
 C3 Antalya: Akseki, Geyran yayla, vicinity of Kocaoluk, 1300 m, 10 vi 1995, stony places, A.Duran 2607.
 Euro-Sib., (H).
- L. sphaericus* Retz.
 C3 Antalya: Akseki, Çukurköy, Menteşe, 700 m, 25 v 1996, macchie, A.Duran 3604.
 (Th).
 Our specimens have corolla 6 mm long and legumes sparsely pubescent. It is with corolla 8-10 mm long and legumes glabrous in the Flora of Turkey (III: 352-354) (Davis, 1969).
- L. tauricola* P.H.Davis
 C3 Antalya: Akseki, Geyran yayla, 1260 m, 8 vi 1997, limestone places, A.Duran 4184.
 Endemic, E. Medit., (Th).
- L. setifolius* L.
 C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, macchie, A.Duran 2184.
 Medit., (Th).
 Our specimens have amphicarpic legumes. It is with merely aerial legumes in the Flora of Turkey (III: 355-356) (Davis, 1969).
- L. nissolia* L.
 C3 Antalya: Akseki, Geyran yayla, 1260 m, 8 vi 1997, open Juniperus, A.Duran 4181.
 (Th).
- L. aphaca* L. var. *aphaca*
 C3 Antalya: Akseki, Çukurköy, Sullahbelen, 630 m, 27 iv 1996, fallow fields, A.Duran 3380.
 (Th).
- L. aphaca* L. var. *biflorus* Post
 C3 Antalya: Akseki, Geyran yayla, 1250 m, 13 v 1995, open forest, A.Duran 2360.
 (Th).
- Pisum sativum* L. subsp. *sativum* var. *arvense* (L.) Poir.
 C3 Antalya: Akseki, between Sadıklar village and Geyran yayla, 1100 m, 10 vi 1995, macchie, A.Duran 2678.
 (Th).
- P. sativum* L. subsp. *elatius* (M.Bieb.) Asch. & Graebn. var. *elatius*
 C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 14 v 1995, stony places and macchie, A.Duran 2395.
 Medit., (Th).
- Vavilovia formosa* (Stev.) Al.Fed.
 C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 16 vii 1995, screes, A.Duran 2787.
 (H).
- Ononis adenotricha* Boiss. var. *adenotricha*
 C3 Antalya: Akseki, Çukurköy yayla, 2200 m, 16 vii 1995, limestone stony places, A.Duran 2824.
 E. Medit., (Ch).
- O. viscosa* L. subsp. *breviflora* (DC.) Nyman
 C3 Antalya: Akseki, Kocaorman, 650 m, 5 v 1996, macchie, A.Duran 3567.
 (Th).
- O. pusilla* L.
 C3 Antalya: Akseki, Güzelsu, Katranlık, 1400 m, 29 v 1996, open forest, A.Duran 3765.
 Medit., (H).
- O. spinosa* L. subsp. *leiosperma* (Boiss.) Sirj.
 C3 Antalya: Akseki, south of Gidefi Mountain, 1400 m, 4 vii 1994, stony slopes, A.Duran 1798.
 (H).
- Trifolium repens* L. var. *repens*
 C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 16 viii 1995, pasture, A.Duran 3135.
 (H).
- T. speciosum* Willd.
 C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1100 m, 14 vii 1995, macchie, A.Duran 2409.
 (Th).
- T. campestre* Schreb.
 C3 Antalya: Akseki, Geyran yayla, 1300 m, 10 vi 1995, wet places, A.Duran 2603.
 (Th).
- T. dubium* Sibth.
 C3 Antalya: Akseki, Geyran yayla, 1300 m, 10 vi 1995, wet places, A.Duran 2605.
 (Th).
- T. spumosum* L.
 C3 Antalya: Akseki, Murtıçı, 550 m, 4 v 1996, fallow fields, A.Duran 3517.
 Medit., (Th).

T. physodes Stev. ex M.Bieb. var. *physodes*

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 8 iv 1995, open Pinus brutia, A.Duran 2145.

Medit., (H).

T. resupinatum L. var. *resupinatum*

C3 Antalya: Akseki, Geyran yayla, 1350 m, 1 vi 1995, waste ground, A.Duran 2562.

(Th).

T. pratense L. var. *pratense*

C3 Antalya: Akseki, Geyran yayla, 1500 m, 9 vi 1995, pastures, A.Duran 2502.

(H).

T. pannonicum Jacq. subsp. *elongatum* (Willd.) D.Zohary

C3 Antalya: Akseki, Geyran yayla, 1450 m, 9 vi 1995, steppe, A.Duran 2571.

Endemic, (H).

T. stellatum L. var. *stellatum*

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 8 v 1995, roadsides, A.Duran 2261.

(Th).

T. lucanicum Gasp.

C3 Antalya: Akseki, Murtiçi, 550 m, 2 v 1996, dry places, A.Duran 3454.

Medit., (Th).

T. lappaceum L.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 30 v 1996, among scrub, A.Duran 3783.

Medit., (Th).

T. cherleri L.

C3 Antalya: Akseki, Çukurköy, Menteşe, 650 m, 25 v 1996, macchie, A.Duran 3632.

Medit., (Th).

T. arvense L. var. *arvense*

C3 Antalya: Akseki, between Sadıklar village and Geyran yayla, 1050 m, 10 vi 1995, waste ground, A.Duran 2676.

(Th).

T. purpureum Loisel. var. *pamphylicum* (Boiss. & Heldr.) D.Zohary

C3 Antalya: Akseki, Çukurköy, Menteşe, 650 m, 25 v 1996, limestone slopes, A.Duran 3650.

E. Medit., (Th).

T. echinatum M.Bieb.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, open forest, A.Duran 3720.

E. Medit., (Th).

T. subterraneum L.

C3 Antalya: Akseki, Çukurköy, Gebedere 600 m, 21 iv 1997, open forest, A.Duran 4152.

(Th).

Trigonella brachycarpa (Fisch.) Moris

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 30 v 1996, Pinus brutia forest, A.Duran 3780.

Ir.-Tur., (Th).

T. lycica Hub.-Mor.

C3 Antalya: Akseki, Geyran yayla, 1300 m, 12 x 1995, stony places, A.Duran 3286.

Endemic, E. Medit., (Th).

T. spruneriana Boiss. var. *spruneriana*

C3 Antalya: Akseki, Pınarbaşı, Karaağaçlı Dere, 1150 m, 6 v 1995, fallow fields, A.Duran 2222.

Ir.-Tur., (Th).

T. strangulata Boiss.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, macchie, A.Duran 3727.

Ir.-Tur., (Th).

T. fischeriana Ser.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village 1000 m, 26 v 1996, Juniperus forest, A.Duran 3713.

Ir.-Tur., (Th).

The features obtained in our specimens are legumes 2.5-3 x 0.15-0.2 cm instead of legumes 1.2-2.5 x 0.1 cm as reported in the Flora of Turkey (III: 468-469) (Davis, 1969).

T. monspeliaca L.

C3 Antalya: Akseki, Çukurköy, Kocaorman, 700 m, 5 v 1996, serpentine places, A.Duran 3565.

Medit., (Th).

T. spicata Sibth. & Sm.

C3 Antalya: Akseki, Çukurköy, Sullahbelen, 700 m, 25 v 1996, macchie, A.Duran 3683.

E. Medit., (Th).

T. gladiata Stev.

C3 Antalya: Akseki, Çukurköy, Menteşe, 700 m, 5 v 1996, macchie, A.Duran 3556.

Medit., (Th).

T. cariensis Boiss.

C3 Antalya: Akseki, Çukurköy, Otmoca, 750 m, 5 v 1996, macchie, A.Duran 3578.

E. Medit., (Th).

Medicago orbicularis (L.) Bartal.

C3 Antalya: Akseki, Taşlıca village, Tuzaklı, 850 m, 4 v 1996, limestone stony places, A.Duran 3551.

(Th).

M. lupulina L.

C3 Antalya: Akseki, Pınarbaşı village, Çataloluk, 1500 m, 4 vii 1994, scrub, A.Duran 1708.

(H).

M. sativa L. subsp. *sativa*

C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 4 vii 1994, scrub and steppe, A.Duran 1720.

(H).

M. coronata (L.) Bartal.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 2 v 1996, Pinus brutia forest, A.Duran 3458.

(Th).

M. minima (L.) Bartal. var. *minima*

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 14 v 1995, stony places, A.Duran 2399.

(Th).

M. disciformis DC.

C3 Antalya: Akseki, Güzelsu, Katranlık, 1280 m, 28 v 1996, Cedrus libani forest, A.Duran 3761.

Medit., (Th).

M. polymorpha L. var. *vulgaris* (Benth.) Shinnars

C3 Antalya: Akseki, Çukurköy, Karataş, 800 m, 30 iv 1996, cultivated land, A.Duran 3415.

(Th).

M. rigidula (L.) All. var. *agrestis* Burnat

C3 Antalya: Akseki, Çukurköy, Menteşe, 700 m, 25 v 1996, macchie, A.Duran 3645.

(Th).

M. doliata Carmign. var. **muricata** (Benth.) Heyn

C3 Antalya: Akseki, around Çukurköy, 900 m, 3 vi 1996, macchie, A.Duran 3869.

(Th).

M. intertexta (L.) Mill. var. **ciliaris** (L.) Heyn

C3 Antalya: Akseki, Çukurköy, Dardağan Dere, 800 m, 5 v 1996, fallow fields, A.Duran 3594.

Medit., (Th).

Dorycnium pentaphyllum Scop. subsp. **haussknechtii** (Boiss.) Gams

C3 Antalya: Akseki, Geyran yayla, Morualanı, 1300 m, 6 vii 1994, macchie, A.Duran 1941.

Endemic, Ir.-Tur., (Ch).

Lotus corniculatus L. var. **tenuifolius** L.

C3 Antalya: Akseki, south of Gidefi Mountain, 1400 m, 4 vii 1994, pastures, A.Duran 1805.

(H).

L. aegaeus (Griseb.) Boiss.

C3 Antalya: Akseki, Pınarbaşı village, Çataloluk, 1400 m, 11 vi 1995, open forest, A.Duran 2714.

Ir.-Tur., (H).

Hymenocarpus circinatus (L.) Savi

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 650 m, 2 v 1996, fallow fields, A.Duran 3441.

Medit., (Th).

Anthyllis tetraphylla L.

C3 Antalya: Akseki, Çukurköy, Sullahbelen, 700 m, 9 v 1995, fallow fields, A.Duran 2303.

Medit., (Th).

Securigera securidaca (L.) Degen & Dörfel.

C3 Antalya: Akseki, Çukurköy, Menteşe, 700 m, 25 v 1996, open macchie, A.Duran 3612.

(Th).

Coronilla emerus L. subsp. **emeroides** (Boiss. & Spruner) Hrabětova

C3 Antalya: Akseki, vicinity of Pınarbaşı village, 1300 m, 20 vii 1995, macchie, A.Duran 2953.

(Ph).

C. scorpioides (L.) Koch

C3 Antalya: Akseki, between Sadıklar village and Geyran yayla, 1100 m, 10 vi 1995, cultivated land, A.Duran 2665.

(Th).

C. parviflora Willd.

C3 Antalya: Akseki, vicinity of Pınarbaşı village, 1500 m, 6 v 1995, open macchie, A.Duran 2186.

E. Medit., (Th).

C. grandiflora Boiss.

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 14 v 1995, stony places and roadsides, A.Duran 2398.

Endemic, E. Medit., (Th).

C. varia L. subsp. **varia**

C3 Antalya: Akseki, Pınarbaşı village, Çatmaalanı, 1470 m, 2 vii 1996, Abies forest, A.Duran 4030.

(H).

Ornithopus compressus L.

C3 Antalya: Akseki, Çukurköy, Kocaorman, 700 m, 5 v 1996, serpentine places, A.Duran 3568.

Medit., (Th).

Scorpiurus muricatus L. var. **subvillosus** (L.) Fiori

C3 Antalya: Akseki, Çukurköy, Kocaorman, 700 m, 5 v 1996, serpentine places, A.Duran 3568.

Medit., (Th).

Onobrychis caput-galli (L.) Lam.

C3 Antalya: Akseki, Taşlıca village, Tuzaklı Mountain, 850 m, 4 v 1996, fallow fields, A.Duran 3553.

Medit., (Th).

O. montana DC. subsp. **cadmea** (Boiss.) P.W.Ball

C3 Antalya: Akseki, Çukurköy yayla, Ardiçlıdünek, 1850 m, 17 viii 1995, stony places, A.Duran 3165.

(H).

O. armena Boiss. & Huet

C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, macchie and pastures, A.Duran 584.

Endemic, (H).

Our specimens have leaflets in 10-12 pairs. It is with leaflets in 6-8 pairs in the Flora of Turkey (III: 575-576) (Davis, 1969).

ROSACEAE

Prunus divaricata Ledeb. subsp. **divaricata**

C3 Antalya: Akseki, Gidefi Mountain, Çataloluk, 1400 m, 8 v 1995, open forest, A.Duran 2298.

(Ph).

Cerasus prostrata (Labill.) Ser. var. **prostrata**

C3 Antalya: Akseki, Otluk Mountain, 1700 m, 5 vii 1994, stony places, A.Duran 1902.

Medit., (Ch).

C. mahaleb (L.) Mill. var. **alpina** Browicz

C3 Antalya: Akseki, Otluk Mountain, 1700 m, 5 vii 1994, rocky slopes, A.Duran 1913.

(Ph).

Amygdalus graeca Lindl.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 28.3.196, rock crevices, A.Duran 3333.

E. Medit., (Ph).

Rubus sanctus Schreb.

C3 Antalya: Akseki, north of Pınarbaşı village, 1150 m, 23 viii 1995, roadsides, A.Duran 3090.

(Ph).

R. canescens DC. var. **canescens**

C3 Antalya: Akseki, north of Pınarbaşı village, 1350 m, 11 vi 1995, open forest, A.Duran 2713.

(Ch).

Potentilla recta L.

C3 Antalya: Akseki, Geyran yayla, 1250 m, 10 vi 1995, roadsides and pastures, A.Duran 2601.

(H).

P. kotschyana Fenzl

C3 Antalya: Akseki, Gidefi Mountain, 1850 m, 4 vii 1994, stony places, A.Duran 1843.

E. Medit., (H).

- Geum urbanum* L.
C3 Antalya: Akseki, Güzelsu, vicinity of Serebil, 930 m, 1 vi 1996, in forests, A.Duran 3817.
Euro-Sib., (H).
- Orthurus heterocarpus* (Boiss.) Juz.
C3 Antalya: Akseki, Otluk Mountain, 1500 m, 9.61995, shady limestone rocks in forest, A.Duran 2482.
(H).
- Agrimonia eupatoria* L.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 25 v 1996, damp meadows, A.Duran 3662.
(H).
- Sanguisorba minor* Scop. subsp. *muricata* (Spach) Briq.
C3 Antalya: Akseki, south of Gidefi Mountain, 1450 m, 4 vii 1994, open forest, A.Duran 1736.
(H).
- S. minor* Scop. subsp. *magnolii* (Spach) Briq.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, open macchie, A.Duran 3599.
(H).
- Aphanes arvensis* L.
C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, Juniperus forest, A.Duran 3691.
(Th).
- Rosa pulverulanta* M.Bieb.
C3 Antalya: Akseki, south of Gidefi Mountain, 1400 m, 4 vii 1994, open forest and stony places, A.Duran 1783.
(Ch).
- R. canina* L.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 6 vii 1994, scrub and rocky slopes, A.Duran 1960.
(Ph).
- R. dumalis* Bechst. subsp. *boissieri* (Crép.) Nilsson var. *antalyensis* (Manden.) Nilsson
C3 Antalya: Akseki, north of Gidefi Mountain, 1780 m, 5 vii 1994, on rocks, A.Duran 1881.
Endemic, (Ch).
- R. heckeliana* Tratt. subsp. *orientalis* (Dupont) Meikle
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeağnağı, 1900 m, 16 viii 1995, rock crevices, A.Duran 3130.
Ir.-Tur., (Ch).
- Cotoneaster nummularia* Fisch. & C.A.Mey.
C3 Antalya: Akseki, Otluk Mountain, 1700 m, 5 vii 1994, stony slopes, A.Duran 1908.
(Ph).
- Crataegus orientalis* Pall. ex M.Bieb. var. *orientalis*
C3 Antalya: Akseki, Çaltılıçukur village, Salamat yayla, 1700 m, 17 viii 1995, open forest, A.Duran 3140.
(Ph).
- C. monogyna* Jacq. subsp. *monogyna*
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, open forest, A.Duran 2201.
(Ph).
- C. monogyna* Jacq. subsp. *azarella* (Griseb.) Franco
C3 Antalya: Akseki, south of Gidefi Mountain 1500 m, 4 vii 1994, mixed forest, A.Duran 1743.
(Ph).
- Sorbus umbellata* (Desf.) Fritsch var. *umbellata*
C3 Antalya: Akseki, Gidefi Mountain, 1850 m, 4 vii 1994, limestone slopes, A.Duran 1827.
(Ph).
- Pyrus. elaeagnifolia* Pall. subsp. *elaeagnifolia*
C3 Antalya: Akseki, Geyran yayla, 1600 m, 5 vii 1994, stony places, A.Duran 1923.
(Ph).
- MYRTACEAE**
Myrtus communis L. subsp. *communis*
C3 Antalya: Akseki, Çukurköy, 700 m, 29 iii 1996, macchie, A.Duran 3357.
(Ph).
- ONAGRACEAE**
Epilobium parviflorum Schreb.
C3 Antalya: Akseki, Güzelsu, Miyarönü, 1200 m, 20 viii 1995, damp places, A.Duran 3246.
(H).
- E. lanceolatum* Sebast. & Mauri
C3 Antalya: Akseki, Mahmutlu village, vicinity of Serebil, 1000 m, 1 vi 1996, woodland banks, A.Duran 3809.
(H).
- E. minutiflorum* Hausskn.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, damp places, A.Duran 3617.
Ir.-Tur., (H).
- CUCURBITACEAE**
Bryonia multiflora Boiss. & Heldr.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeağnağı, 1900 m, 18 vii 1995, stony places, A.Duran 2920.
Ir.-Tur., (H).
- B. cretica* L.
C3 Antalya: Akseki, between Çaltılıçukur village and Değirmenler, 650 m, 22 vii 1995, macchie, A.Duran 3069.
E. Medit., (H).
- DATISCAEAE**
Datisca cannabina L.
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 8 vii 1996, damp places, A.Duran 4137.
(H).
- CRASSULACEAE**
Umbilicus erectus DC.
C3 Antalya: Akseki, Geyran yayla, 1450 m, 9 vi 1995, rock ledges, A.Duran 2530.
(Ch).
- U. horizontalis* (Guss.) DC. var. *intermedius* (Boiss.) D.F.Chamb.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 25 v 1996, rock crevices, shady places, A.Duran 3663.
(Ch).

- Rosularia globulariifolia* (Fenzl) Berger
C3 Antalya: Akseki, between Murtıçı and Çukurköy, 550 m, 25 v 1996, rock crevices, A.Duran 3485.
Endemic, E. Medit., (Ch).
- R. libanotica* (Labill.) Muirhead
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1300 m, 8 v 1995, stony places and on rocks, A.Duran 2293.
E. Medit., (Ch).
- R. chrysantha* (Boiss.) Takht.
C3 Antalya: Akseki, Gidefi Mountain, 1750 m, 11 vi 1995, stony slopes and on rocks, A.Duran 2698.
Endemic, E. Medit., (Ch).
- Sedum amplexicaule* DC.
C3 Antalya: Akseki, south of Gidefi Mountain, 1400 m, 8 v 1995, forest, A.Duran 2287.
Medit., (Ch).
- S. laconicum* Boiss. & Heldr.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2200 m, 16 vii 1995, stony places and steppe, A.Duran 2825.
Medit., (Ch).
- S. album* L.
C3 Antalya: Akseki, south of Gidefi Mountain, 1450 m, 8 v 1995, stony places, A.Duran 2278.
(Ch).
- S. magellense* Ten.
C3 Antalya: Akseki, north of Gidefi Mountain, 1750 m, 5 vii 1994, on rocks, A.Duran 1867.
Medit. (mt.), (H).
- S. sempervivoides* M.Bieb.
C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 18 vii 1995, rocky places, A.Duran 2923.
(Ch).
- S. cepaea* L.
C3 Antalya: Akseki, east of Mahmutlu village, vicinity of Serebil, 1000 m, 1 vi 1996, under *Abies* forest, A.Duran 3812.
(Th).
- S. nanum* Boiss.
C3 Antalya: Akseki, Geyran yayla, vicinity of Karakaya, 1500 m, 2 vi 1996, damp soil, A.Duran 3855.
Ir.-Tur., (Th).
- S. litoreum* Guss.
C3 Antalya: Akseki, between Murtıçı and Taşlıca, 700 m, 4 v 1996, stony places, A.Duran 3506.
Medit., (Th).
- S. caespitosum* (Cav.) DC.
C3 Antalya: Akseki, Çukurköy, 650 m, 23 iv 1995, open macchie, A.Duran 2259.
Medit., (Th).
- S. hispanicum* L. var. *hispanicum*
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 15 v 1995, stony places, A.Duran 2435.
(Th).
- S. pallidum* M.Bieb. var. *pallidum*
C3 Antalya: Akseki, Çukurköy yayla, Daracık pass, 1900 m, 4 vii 1996, open forest, A.Duran 4074.
(H).
- SAXIFRAGACEAE**
Saxifraga tridactylites L.
C3 Antalya: Akseki, Otluk Mountain, 1150 m, 7 iv 1995, serpentine places and macchie, A.Duran 2084.
(Th).
- S. hederacea* L. var. *libanotica* (Bornm.) Matthews
C3 Antalya: Akseki, Çukurköy, 750 m, 5 v 1996, shady places, A.Duran 3585.
(Th).
- UMBELLIFERAE (Apiaceae)**
Eryngium falcatum Delar.
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 30 v 1996, open *Pinus brutia* forest, A.Duran 3786.
E. Medit., (H).
- E. bourgatii* Gouan subsp. *heldreichii* (Boiss.) P.H.Davis
C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1700 m, 4 vii 1994, steppe, A.Duran 1700.
E. Medit., (H).
- E. bithynicum* Boiss.
C3 Antalya: Akseki, vicinity of Murtıçı, 550 m, 8 vii 1996, fallow fields, A.Duran 4143.
Endemic, E. Medit., (Th).
- E. glomeratum* Lam.
C3 Antalya: Akseki, Mahmutlu village, vicinity of Serebil, 1100 m, 8 vii 1996, open *Pinus brutia* forest, A.Duran 4133.
(H).
- E. campestre* L. var. *virens* Link
C3 Antalya: Akseki, Sadıklar village, 1050 m, 21 vii 1995, around village, A.Duran 3012.
(H).
- Lagoecia cuminoides* L.
C3 Antalya: Akseki, between Murtıçı and Çukurköy, 550 m, 2 v 1996, open macchie, A.Duran 3484.
Medit., (Th).
- Anthriscus nemorosa* (M.Bieb.) Spreng.
C3 Antalya: Akseki, Geyran yayla, 1550 m, 13 v 1995, stony places, A.Duran 2339.
(H).
- A. caucalis* M.Bieb.
C3 Antalya: Akseki, Güzelsu, 1200 m, 16 v 1995, stony places, A.Duran 2473.
(Th).
- Chaerophyllum aksekiense* A.Duran & H.Duman
C3 Antalya: Akseki, Pınarbaşı village, Çataloluk, 1450 m, 19 vii 1995, open *Cedrus libani* forest, A.Duran 2942.
Endemic, E. Medit., (H), (CR).
- Scandix pecten-veneris* L.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, open macchie, A.Duran 3634.
(Th).
- S. macrorhyncha* C.A.Mey.
C3 Antalya: Akseki, Çaltılıçukur, Salamat yayla, 1600 m, 3 vii 1996, open forest, A.Duran 4044.
(Th).

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

C3 Antalya: Akseki, Geyran yayla, 1300 m, 13 v 1995, pastures, A.Duran 2351.

(Th).

Scaligeria napiformis (Spreng.) Grande

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, open macchie, A.Duran 3602.

E. Medit., (H).

Smyrniium connatum Boiss. & Kotschy

C3 Antalya: Akseki, Çukurköy, vicinity of Gebedere, 500 m, 21 iv 1997, stony places, A.Duran 4154.

E. Medit., (H).

Bunium paucifolium DC. var. *paucifolium*

C3 Antalya: Akseki, Mahmutlu village, vicinity of Serebil, 1000 m, 1 vi 1996, Abies forest, A.Duran 3805.

Ir.-Tur., (G).

B. microcarpum (Boiss.) Freyn subsp. *bourgaei* (Boiss.) Hedge & Lamond

C3 Antalya: Akseki, Çukurköy yayla, 2200 m, 4 vii 1996, steppe, A.Duran 4066.

(G).

B. ferulaceum Sm.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1150 m, 6 v 1995, fallow fields, A.Duran 2213.

Medit., (G).

Hellenocarpum pisidicum Kit Tan

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1780 m, 5 vii 1994, rock crevices, A.Duran 1887.

Endemic, E. Medit., (H).

Huetia cynapioides (Guss.) P.W.Ball subsp. *macrocarpa* (Boiss. & Spruner) P.W.Ball

C3 Antalya: Akseki, Geyran yayla, vicinity of Kocaoluk, 1400 m, 2 vi 1996, stony places, A.Duran 3837.

(G).

Pimpinella peregrina L.

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, roadsides and open forest, A.Duran 1762.

(H).

P. tragium Vill. subsp. *lithophila* (I.Schischk.) Tutin

C3 Antalya: Akseki, Gidefi Mountain, 1850 m, 4 vii 1994, stony places, A.Duran 1834.

(H).

Seseli gummiferum Pall. ex Sm. subsp. *corymbosum* (Boiss. & Heldr.) P.H.Davis

C3 Antalya: Akseki, Gidefi Mountain, 1700 m, 19 viii 1995, rock crevices, A.Duran 3209.

Endemic, E. Medit., (Ch).

Foeniculum vulgare Mill.

C3 Antalya: Akseki, Güzelsu, 1200 m, 22 vii 1995, near cultivation, A.Duran 3110.

(H).

Anethum graveolens L.

C3 Antalya: Akseki, Güzelsu, 1200 m, 20 viii 1995, near cultivation, A.Duran 3249.

(Th).

Kundmannia anatolica Hub.-Mor.

C3 Antalya: Akseki, 2 km along the road from Murtıçı to Güneykaya, 650 m, 8 vi 1997, rock crevices, A.Duran 4194.

Endemic, E. Medit., (H).

Conium maculatum L.

C3 Antalya: Akseki, Güzelsu, 1250 m, 29 vi 1996, around village, A.Duran 3927.

(H).

Bupleurum odontites L.

C3 Antalya: Akseki, between Çaltılıçukur village and Değirmenler, 700 m, 22 vii 1995, open macchie, A.Duran 3065.

(Th).

B. pulchellum Boiss. & Heldr.

C3 Antalya: Akseki, Gidefi Mountain, 1860 m, 4 vii 1994, stony places, A.Duran 1826.

Endemic, E. Medit., (Th).

B. cf. erubescens Boiss.

C3 Antalya: Akseki, Taşlıca village, Tuzaklı Mountain, 970 m, 8 vi 1997, limestone stony places, A.Duran 4179.

Endemic, (Th).

Our specimens have 1-5 rays and upper leaves up to 10 mm broad. It is with 1-2 (-3)

rays and upper leaves up to 5 mm broad in the Flora of Turkey (IV: 405) (Davis, 1972).

B. davisii Snogerup

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeağnağı, 1900 m, 18 vii 1995, limestone stony places, A.Duran 2892.

Endemic, E. Medit., (Th).

B. asperuloides Heldr.

C3 Antalya: Akseki, Mahmutlu village, vicinity of Serebil, 1100 m, 12 x 1995, Pinus brutia forest, A.Duran 3278.

(Th).

B. subuniflorum Boiss. & Heldr.

C3 Antalya: Akseki, Güzelsu, 1200 m, 12 x 1995, stony places, A.Duran 3296.

Endemic, E. Medit., (Th).

Falcaria vulgaris Bernh.

C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1300 m, 6 vii 1994, open places and roadsides, A.Duran 1971.

(H).

Cnidium silaifolium (Jacq.) Simonk. subsp. *orientale* (Boiss.) Tutin

C3 Antalya: Akseki, Otluk Mountain, 1700 m, 5 vii 1994, on rocks and stony slopes, A.Duran 1918.

(H).

Johrenia tortuosa (Fisch. & C.A.Mey.) D.F.Chamb.

C3 Antalya: Akseki, Otluk Mountain, 1700 m, 5 vii 1994, open scrub and stony slopes, A.Duran 1917.

(H).

Ferula tingitana L.

C3 Antalya: Akseki, between Murtıçı and Çukurköy, 600 m, 2 v 1996, stony places and open macchie, A.Duran 3457.

Medit., (H).

F. orientalis L.

C3 Antalya: Akseki, east of Çukurköy, 1000 m, 3 vi 1996, limestone stony places, A.Duran 3874.

Ir.-Tur., (H).

Ferulago aucheri Boiss.

C3 Antalya: Akseki, vicinity of Murtıçı, 550 m, 8 vii 1996, fallow fields and open macchie, A.Duran 4116.

Endemic, (H).

F. cassia Boiss.

C3 Antalya: Akseki, north of Pınarbaşı village, 1350 m, 20 vii 1995, open forest, A.Duran 2944.

E. Medit., (H).

F. trachycarpa Boiss.

C3 Antalya: Akseki, Otluk Mountain, 1700 m, 5 vii 1994, stony places, A.Duran 1901.

E. Medit., (H).

Opopanax hispidus (Friv.) Griseb.

C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 11 vi 1995, forest and stony places, A.Duran 2707.

(H).

Peucedanum chryseum (Boiss. & Heldr.) D.F.Chamb.

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 21 vii 1995, open macchie and roadsides, A.Duran 3051.

Endemic, (H).

Tordylium syriacum L.

C3 Antalya: Akseki, between Murtiçi and Taşlıca, 700 m, 4 v 1996, macchie, A.Duran 3508.

E. Medit., (Th).

T. ketenoglui H.Duman & A.Duran

C3 Antalya: Akseki, Taşlıca village, Tuzaklı, 930 m, 28 v 1996, open rocky places, A.Duran 3738.

Endemic, E. Medit., (Th), (EN).

Torilis triradiata Boiss. & Heldr.

C3 Antalya: Akseki, Taşlıca village, vicinity of Tuzaklı, 930 m, 28 v 1996, Juniperus forest, A.Duran 3740.

Endemic, E. Medit., (Th).

T. arvensis (Huds.) Link subsp. **neglecta** (Spreng.) Thell.

C3 Antalya: Akseki, Güzelsu, 1200 m, 20 viii 1995, waste ground, A.Duran 3261.

(Th).

T. arvensis (Huds.) Link subsp. **elongata** (Hoffmanns. & Link) Cannon

C3 Antalya: Akseki, Güzelsu, vicinity of Serebil, 1030 m, 31 v 1996, open mixed forest, A.Duran 3792.

Medit., (Th).

T. leptophylla (L.) Rchb.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 2 v 1996, open macchie, A.Duran 3476.

(Th).

Turgeniopsis foeniculacea (Fenzl) Boiss.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, open macchie, A.Duran 3715.

(Th).

Turgenia latifolia (L.) Hoffm.

C3 Antalya: Akseki, Güzelsu, 1200 m, 30 vi 1996, cultivated land, A.Duran 4003.

(Th).

Orlaya daucoides (L.) Greuter

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 14 v 1995, fallow fields, A.Duran 2382.

Medit., (Th).

Daucus carota L.

C3 Antalya: Akseki, Güzelsu, Miyarönü, 1200, 20 viii 1995, fields, A.Duran 3262.

(H).

D. guttatus Sm.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, open places, A.Duran 3698.

(Th).

D. littoralis Sibth. & Sm.

C3 Antalya: Akseki, Murtiçi, 550 m, 29 vi 1996, fallow fields, A.Duran 3966.

E. Medit., (Th).

Artemisia squamata L.

C3 Antalya: Akseki, Güzelsu, vicinity of Serebil, 1200 m, 2 ix 1996, open macchie, A.Duran 3949.

(Th).

ARALIACEAE

Hedera helix L.

C3 Antalya: Akseki, Mahmutlu village, vicinity of Serebil, 1000 m, 1 vi 1996, climbing over trees, A.Duran 3810.

(Ph).

CORNACEAE

Cornus mas L.

C3 Antalya: Akseki, Otluk Mountain, vicinity of Dereyatağı, 1150 m, 7 iv 1995, near rills, A.Duran 2111.

Euro-Sib., (Ph).

CAPRIFOLIACEAE

Sambucus ebulus L.

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1500 m, 20 vii 1995, roadsides, A.Duran 2954.

Euro-Sib., (Ph).

Lonicera nummulariifolia Jaub. & Spach subsp. **nummulariifolia**

C3 Antalya: Akseki, Geyran yayla, 1450 m, 14 v 1995, stony places, A.Duran 2423.

(Ph).

L. etrusca Santi var. **etrusca**

C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 4 vii 1994, scrub, A.Duran 1727.

Medit., (Ph).

VALERIANACEAE

Valeriana dioscoridis Sm.

C3 Antalya: Akseki, between Çaltılıçukur and Güzelsu, 1100 m, 7 iv 1995, open scrub, A.Duran 2085.

E. Medit., (H).

V. tuberosa L.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1800 m, 12 vi 1995, steppe, A.Duran 2726.

(H).

Bracts (3-4 mm long versus 2 mm long) of the specimens above are longer than those in the Flora of Turkey (IV: 558) (Davis, 1972).

Centranthus longiflorus Stev. subsp. **longiflorus**

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğağnağı, 1950 m, 18 vii 1995, stony places, A.Duran 2881.

Ir.-Tur., (Ch).

Valerianella orientalis (Schltdl.) Boiss. & Balansa

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, roadsides, A.Duran 3390.

E. Medit., (Th).

- V. costata* (Stev.) Betcke
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 8 iv 1995, fallow fields, A.Duran 2136.
Medit., (Th).
- V. discoidea* (L.) Loisel.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 2 v 1996, macchie, A.Duran 3452.
Medit., (Th).
- V. obtusiloba* Boiss.
C3 Antalya: Akseki, between Murtiçi and Taşlıca, 700 m, 4 v 1996, macchie, A.Duran 3505.
Medit., (Th).
- V. vesicaria* (L.) Moench
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1150 m, 6 v 1995, fallow fields, A.Duran 2223.
(Th).
- DIPSACACEAE**
- Cephalaria dipsacoides* Boiss. & Balansa
C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1500 m, 20 vii 1995, roadsides, A.Duran 2958.
E. Medit., (H).
- C. lycica* Matthews
C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 16 viii 1995, screes, A.Duran 3117.
Endemic, E. Medit. (mt.), (H).
- Scabiosa reuteriana* Boiss.
C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 4 vii 1994, open forest, A.Duran 1718.
Endemic, E. Medit., (Th).
- Pteroccephalus plumosus* (L.) Coult.
C3 Antalya: Akseki, Otluk Mountain, 1700 m, 5 vii 1994, stony places, A.Duran 1919.
(Th).
- COMPOSITAE (Asteraceae)**
- Pallenis spinosa* (L.) Cass.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, open macchie, A.Duran 3648.
Medit., (Th).
- Chrysophthalmum dichotomum* Boiss. & Heldr.
C3 Antalya: Akseki, Sadıklar village, vicinity of Moru, 1200 m, 21 vii 1995, wet places, A.Duran 3018.
Endemic, E. Medit., (H).
- Inula oculus-christi* L.
C3 Antalya: Akseki, Geyran yayla, 1600 m, 5 vii 1994, stony places and open forest, A.Duran 1924.
Euro-Sib., (H).
- I. vulgaris* (Lam.) Trevis.
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 850 m, 18 viii 1995, wet places, A.Duran 3190.
Euro-Sib., (H).
- I. heterolepis* Boiss.
C3 Antalya: Akseki, south of Gidefi Mountain, 1600 m, 20 vii 1995, rock crevices, A.Duran 2971.
E. Medit., (Ch).
- I. graveolens* (L.) Desf.
C3 Antalya: Akseki Murtiçi, 550 m, 15 x 1995, roadsides, A.Duran 3325.
Medit., (Th).
The features obtained in our specimens are leaves 15-21 mm long instead of 10-15 mm long as reported in the Flora of Turkey (V: 72-73) (Davis, 1975).
- I. viscosa* (L.) Aiton
C3 Antalya: Akseki, between Güzelsu and Serebil, 1100 m, 20 viii 1995, roadsides, A.Duran 3225.
Medit., (Ch).
- Pulicaria dysenterica* (L.) Bernh.
C3 Antalya: Akseki, south of Otluk Mountain, 1300 m, 29 vi 1996, open forest and wet places, A.Duran 3975.
(Ch).
- Phagnalon graecum* Boiss.
C3 Antalya: Akseki, south of Otluk Mountain, 1300 m, 29 vi 1996, limestone rock crevices, A.Duran, 3953.
E. Medit., (Ch).
- Helichrysum pamphylicum* P.H.Davis & Kupicha
C3 Antalya: Akseki, between Çaltılıçukur and Değirmenler, 700 m, 22 vii 1995, open macchie, A.Duran 3076.
Endemic, E. Medit., (H).
- Filago eriocephala* Guss.
C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, Juniperus forest, A.Duran 3695.
E. Medit., (Th).
- F. pyramidata* L.
C3 Antalya: Akseki, Çukurköy, vicinity of Sullahbelen, 700 m, 25 v 1996, roadsides, A.Duran 3688.
(Th).
- Logfia arvensis* (L.) Holub
C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 17 viii 1995, stony places, A.Duran 3183.
(Th).
- Bellis perennis* L.
C3 Antalya: Akseki, Güzelsu, 1400 m, 16 v 1995, moist places, A.Duran 2462.
Euro-Sib., (H).
- Doronicum cacaliifolium* Boiss. & Heldr.
C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1780 m, 5 vii 1994, shady rocky slopes, A.Duran 1863.
Endemic, E. Medit. (mt.), (H).
- D. orientale* Hoffm.
C3 Antalya: Akseki, Otluk Mountain, east of Mahmutlu village, 1000 m, 7 v 1995, shady places in forest, A.Duran 2241.
(H).
- Senecio tauricolus* Matthews
C3 Antalya: Akseki, Gidefi Mountain, 1750 m, 11 vi 1995, Juniperus forest, A.Duran 2693.
Endemic, E. Medit., (H).
Our specimens have glabrous achenes. It is with sparsely hairy achenes in the Flora of Turkey (V: 157) (Davis, 1975).
- S. castagneanus* DC.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2050 m, 19 vii 1995, limestone rock crevices, A.Duran 2926.
Endemic, E. Medit., (H).

Our specimens have ligules c. 18 mm long. It is with ligules 10-14 mm long in the Flora of Turkey (V: 158) (Davis, 1975).

S. vernalis Waldst. & Kit.

C3 Antalya: Akseki, Pınarbaşı village, 1100 m, 6 v 1995, fallow fields, A.Duran 2194.

(Th).

Calendula arvensis L.

C3 Antalya: Akseki, between Murtıçı and Çukurköy, 550 m, 2 v 1996, open macchie, A.Duran 3451.

(Th).

Anthemis cretica L. subsp. *anatolica* (Boiss.) Grierson

C3 Antalya: Akseki, Otluk Mountain, 1500 m, 16 v 1995, open forest and stony places, A.Duran 2456.

(Ch).

A. aciphylla Boiss. var. *aciphylla*

C3 Antalya: Akseki, Güzelsu, vicinity of Katranlık, 1300 m, 29 v 1996, open Cedrus libani, A.Duran 3774.

Endemic, E. Medit., (H).

A. pauciloba Boiss. var. *pauciloba*

C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 30 vi 1996, limestone rock crevices, A.Duran 3981.

Endemic, E. Medit., (H).

A. pauciloba Boiss. var. *microstephana* (Eig) Grierson

C3 Antalya: Akseki, north of Gidefi Mountain, 1750 m, 20 vii 1995, limestone rock crevices, A.Duran.

Endemic, E. Medit., (H).

A. pauciloba Boiss. var. *sieheana* (Eig) Grierson

C3 Antalya: Akseki, Güzelsu, vicinity of Yazıcı, 1000 m, 3 vi 1996, macchie, A.Duran, 3877.

Endemic, E. Medit., (H).

A. rosea Sm. subsp. *carnea* (Boiss.) Grierson

C3 Antalya: Akseki, Otluk Mountain, 1300 m, 7 v 1995, stony places, A.Duran, 2227.

Endemic, E. Medit., (Th).

A. chia L.

C3 Antalya: Akseki, Sadıklar village, 1000 m, 7 iv 1995, cultivated land, A.Duran 2063.

E. Medit., (Th).

A. cotula L.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1150 m, 6 v 1995, fallow fields, A.Duran 2195.

(Th).

A. pseudocotula Boiss.

C3 Antalya: Akseki, between Murtıçı and Çukurköy, 550 m, 25 v 1996, fallow fields, A.Duran 3666.

(Th).

A. tinctoria L. var. *tinctoria*

C3 Antalya: Akseki, east of Çukurköy, 950 m, 3 vi 1996, macchie, A.Duran 3872.

(H).

Leucocyclus formosus Boiss. subsp. *formosus*

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 12 vi 1995, limestone stony places, A.Duran 2758.

Endemic, E. Medit., (H).

Achillea wilhelmii K.Koch.

C3 Antalya: Akseki, Pınarbaşı village, between Çataloluk and Evlek pass, 1600 m, 1 vii 1996, limestone rock crevices, A.Duran 4016.

Ir.-Tur., (H).

A. setacea Waldst. & Kit

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çatma, 1550 m, 20 vii 1995, pastures, A.Duran 2992.

Euro-Sib., (H).

A. kotschyi Boiss. subsp. *kotschyi*

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1850 m, 3 vii 1996, pastures, A.Duran 4050.

(H).

Tanacetum parthenium (L.) Sch.Bip.

C3 Antalya: Akseki, Çukurköy, vicinity of Söke, 750 m, 29 vi 1996, wet places, A.Duran 3926.

(H).

T. aucheri DC.

C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, stony places, A.Duran 2591.

E. Medit., (H).

Tripleurospermum sevanense (Manden.) Pobed.

C3 Antalya: Akseki, Çaltılıçukur, Salamut yayla, 4 vi 1996, 1600 m, stony places, A.Duran 3888.

(H).

Artemisia absinthium L.

C3 Antalya: Akseki, Güzelsu, 1200 m, 30 iii 1996, fields, A.Duran 3366-B.

(Ch).

Onopordum acanthium L.

C3 Antalya: Akseki, Pınarbaşı yayla, vicinity of Çatma, 1550 m, 20 vii 1995, roadsides, A.Duran 2959.

(H).

Circium lappaceum (M.Bieb.) Fisch. subsp. *anatolicum* Petr.

C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 17 viii 1995, steppe, A.Duran 3185.

Ir.-Tur., (H).

Picnomon acarna (L.) Cass.

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 19 viii 1995, stony places, A.Duran 3215.

Medit., (Th).

Ptilostemon afer (Jacq.) Greuter subsp. *eburneus* Greuter

C3 Antalya: Akseki, Sadıklar village, 1050 m, 21 vii 1995, fallow fields, A.Duran 3062.

Endemic, (H).

P. chamaepeuce (L.) Less.

C3 Antalya: Akseki, south of Otluk Mountain, 1250 m, 20 viii 1995, limestone rock crevices, A.Duran 3236.

Medit., (Ch).

Carduus nutans L. *nutans* sensu lato

C3 Antalya: Akseki, Pınarbaşı yayla, Daracık pass, 2050 m, 17 viii 1995, steppe and stony places, A.Duran 3185.

(H).

- C. argentatus* L.
C3 Antalya: Akseki, Otluk Mountain, vicinity of Anbolu, 1500 m, 16 v 1995, stony places, A.Duran 2458.
E. Medit., (Th).
- Centaurea cheirolopha* (Fenzl) Wagenitz
C3 Antalya: Akseki, north of Pınarbaşı village, 1400 m, 20 vii 1995, forest and macchie, A.Duran 2947.
E. Medit., (H).
- C. drabifolia* Sm. subsp. *detonsa* (Bornm.) Wagenitz
C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2200 m, 16 vii 1995, rocky places, A.Duran 2829.
(H).
- C. solstitialis* L. subsp. *pyracantha* (Boiss.) Wagenitz
C3 Antalya: Akseki, between Güzelsu and Geyran, 1500 m, 6 vii 1994, open scrub, A.Duran 1939.
Endemic, E. Medit., (Th).
- C. iberica* Trev. ex Spreng.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, pastures, A.Duran 2598.
(H).
- C. urvillei* DC. subsp. *armata* Wagenitz
C3 Antalya: Akseki, Geyran yayla, 1450 m, 9 vi 1995, stony places, A.Duran 2519.
E. Medit., (H).
- C. urvillei* DC. subsp. *hayekiana* Wagenitz
C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 4 vii 1994, stony places, A.Duran 1717.
Ir.-Tur., (H).
- C. triumfettii* All.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, dry places and steppe, A.Duran 2589.
(H).
- Crupina crupinastrum* (Moris) Vis.
C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1450 m, 11 vi 1995, open forest, A.Duran 2701.
(Th).
- Cnicus benedictus* L. var. *kotschyi* Boiss.
C3 Antalya: Akseki, Sadıklar village, 1050 m, 21 vii 1995, roadsides, A.Duran 3037.
(Th).
- Carthamus dentatus* Vahl
C3 Antalya: Akseki, north of Pınarbaşı village, 1150 m, 23 viii 1995, fallow fields and roadsides, A.Duran 3088.
(Th).
- Staehelina lobelii* DC.
C3 Antalya: Akseki, south of Gidefi Mountain, 1600 m, 13 x 1995, limestone rock crevices, A.Duran 3315.
E. Medit., (Ch).
- Carlina corymbosa* L.
C3 Antalya: Akseki, Taşlıca village, vicinity of Tuzaklı, 850 m, 8 vii 1996, macchie, A.Duran 4130.
Medit., (H).
- C. oligocephala* Boiss. & Kotschy subsp. *oligocephala*
C3 Antalya: Akseki, Güzelsu, vicinity of Katranlık, 1280 m, 28 v 1996, Cedrus libani forest, A.Duran 3753.
(H).
- Xeranthemum annuum* L.
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1200 m, 21 vii 1995, open macchie, A.Duran 3015.
(Th).
- Echinops ritro* L.
C3 Antalya: Akseki, south of Gidefi Mountain, 1400 m, 4 vii 1994, open forest, A.Duran 1792.
(H).
- E. pungens* Trautv. var. *pungens*
C3 Antalya: Akseki, Sadıklar village, vicinity of Moru, 1200 m, 21 vii 1995, rocky slopes, A.Duran 3014.
Ir.-Tur., (H).
- Scolymus hispanicus* L.
C3 Antalya: Akseki, Murtiçi, 550 m, 29 vi 1996, open macchie and roadsides, A.Duran 3971.
Medit., (H).
- Cichorium intybus* L.
C3 Antalya: Akseki, south of Gidefi Mountain 1400 m, 4 vii 1994, meadows, A.Duran 1802.
(H).
- Tolpis virgata* (Desf.) Bertol.
C3 Antalya: Akseki, Murtiçi, 550 m, 29 vi 1996, fields, A.Duran 3965.
Medit., (H).
- Scorzonera cana* (C.A.Mey.) Hoffm. var. *cana*
C3 Antalya: Akseki, Otluk Mountain, vicinity of Kuyuönü, 1650 m, 6 vii 1994, stony places and steppe, A.Duran 1967.
(H).
- S. cana* (C.A.Mey.) Hoffm. var. *jacquiniana* (W.Koch) D.F.Chamb.
C3 Antalya: Akseki, Otluk Mountain, 1400 m, 7 v 1995, stony places, A.Duran 2232.
(H).
- S. mollis* M.Bieb. subsp. *szowitzii* (DC.) D.F.Chamb.
C3 Antalya: Akseki, Geyran yayla, Karayılan pass, 1400 m, 14 v 1995, stony places, A.Duran 2413.
Ir.-Tur., (H).
- S. elata* Boiss.
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1200 m, 20 vi 1995, open forest, A.Duran 2640.
E. Medit., (H).
- S. parviflora* Jacq.
C3 Antalya: Akseki, Otluk Mountain, vicinity of Kuyuönü, 1650 m, 6 vii 1994, stony places, A.Duran 1966.
(H).
- S. eriophora* DC.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, pastures, A.Duran 2594.
Endemic, (H).
- S. cinerea* Boiss.
C3 Antalya: Akseki, north of Gidefi Mountain, 1750 m, 20 vii 1995, on rocks, A.Duran 2978.
Ir.-Tur., (H).

Tragopogon longirostris Bisch. ex Sch.Bip. var. *longirostris*

C3 Antalya: Akseki, Pınarbaşı village, 1150 m, 6 v 1995, fallow fields, A.Duran 2224.

(H).

T. longirostris Bisch. ex Sch.Bip. var. *abbreviatus* Boiss.

C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 16 viii 1995, stony places, A.Duran 3118.

(H).

Leontodon tuberosus L.

C3 Antalya: Akseki, Çukurköy, vicinity of Gebedere, 550 m, 16 xi 1995, open macchie, A.Duran 3340.

Medit., (H).

L. assperrimus (Willd.) Ball

C3 Antalya: Akseki, Güzelsu, vicinity of Yazıcı, 1000 m, 3 vi 1996, open scrub, A.Duran 3878.

Ir.-Tur., (H).

L. crispus Vill. subsp. *asper* (Waldst. & Kit.) Rohlena var. *asper*

C3 Antalya: Akseki, Geyran yayla, 1300 m, 2 vi 1996, open forest and stony places, A.Duran 3842.

(H).

Picris cyprica Lack

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, open macchie, A.Duran 3633.

E. Medit., (Th).

Urospermum picroides (L.) F.W.Schmidt

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 25 v 1996, limestone stony slopes, A.Duran 3673.

Medit., (Th).

Hedypnois cretica (L.) Dum.-Cours.

C3 Antalya: Akseki, Murtiçi, 500 m, 4 v 1996, fallow fields, A.Duran 3520.

Medit., (Th).

Rhagadiolus stellatus (L.) Gaertn. var. *stellatus*

C3 Antalya: Akseki, Çukurköy, vicinity of Sullahbelen, 630 m, 27 iv 1996, fallow fields, A.Duran 3384.

Medit., (Th).

R. stellatus (L.) Gaertn. var. *edulis* (Gaertn.) DC.

C3 Antalya: Akseki, Güzelsu, 1200 m, 16 v 1995, open macchie and cultivated land, A.Duran 2472.

Medit., (Th).

Sonchus asper (L.) Hill subsp. *glaucescens* (Jordan) P.W.Ball

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, cultivated land, A.Duran 3421.

(H).

Hieracium cyaneum Arv.Touv.

C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2200 m, 4 vii 1996, limestone rock crevices, A.Duran 4067.

Euro-Sib., (H).

This species is only known from B5 Kayseri, Erciyes Mountain, according to the Flora of Turkey. It grows in soils on rock above 2200 m in the area. This species is distributed in the Pyrenees, Corsica and in the mountains from Central Europe to Bulgaria. It is interesting that the plant is a Euro-Siberian element. This study confirms its presence in the Mediterranean region.

H. pannosum Boiss.

C3 Antalya: Akseki, north of Gidefi Mountain, 1750 m, 20 vii 1995, limestone rock crevices, A.Duran 2979.

E. Medit. (mt.), (H).

Pilosella x auriculoides (Láng) Sell & West

C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 4 vii 1994, forest, A.Duran 1723.

(H).

P. verruculata (Link) Soják

C3 Antalya: Akseki, Çaltılıçukur, Salamat yayla, 1600 m, 3 vii 1996, open forest, A.Duran 4041.

(H).

Cephalorrhynchus tuberosus (Stev.) Schchian

C3 Antalya: Akseki, Güzelsu, 1400 m, 16 v 1995, mixed forest, A.Duran 2429.

(H).

Steptorhamphus tuberosus (Jacq.) Grossh.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlar village, 1000 m, 26 v 1996, rocky places, A.Duran 3712.

(H).

Lactuca intricata Boiss.

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, limestone rock crevices, A.Duran 1779.

E. Medit. (mt.), (H).

Scariola viminea (L.) F.W.Schmidt

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, open forest, A.Duran 3723.

(H).

Lapsana communis L. subsp. *intermedia* (M.Bieb.) Hayek

C3 Antalya: Akseki, south of Gidefi Mountain 1500 m, 11 vi 1995, forest, A.Duran 2710.

(H).

Taraxacum bessarabicum (Hornem.) Hand.-Mazz. subsp. *bessarabicum*

C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 8 iv 1995, wet places and steppe, A.Duran 2123.

(H).

T. assemanii Blanche

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1650 m, 19 viii 1995, steppe, A.Duran 3211.

Ir.-Tur., (H).

Chondrilla juncea L. var. *acantholepis* (Boiss.) Boiss.

C3 Antalya: Akseki, between Güzelsu and Serebil, 1200 m, 20 viii 1995, fallow fields, A.Duran 3234.

(H).

Crepis reuterana Boiss. subsp. *reuterana*

C3 Antalya: Akseki, Pınarbaşı village, 1150 m, 6 v 1995, fallow fields, A.Duran 2192.

E. Medit., (H).

C. foetida L. subsp. *foetida*

C3 Antalya: Akseki, Çukurköy, vicinity of Sullahbelen, 700 m, 25 v 1996, roadsides, A.Duran 3685.

(Th).

C. foetida L. subsp. *commutata* (Spreng.) Babc.

C3 Antalya: Akseki, south of Gidefi Mountain, 1400 m, 4 vii 1994, forest, A.Duran 1803.

(Th).

C. sancta (L.) Babc.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 700 m, 2 v 1996, roadsides and stony places, A.Duran 3437.

(Th).

C. zacintha (L.) Babc.

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, fields, A.Duran 3647.

Medit., (Th).

CAMPANULACEAE

Campanula lyrata Lam. subsp. *lyrata*

C3 Antalya: Akseki, Pınarbaşı village, south of Gidefi Mountain, 1400 m, 11 vi 1996, open forest and macchie, A.Duran 2717.

Endemic, (H).

C. involucrata Aucher ex A.DC.

C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 17 vii 1995, steppe, A.Duran 2839.

Ir.-Tur., (H).

C. cymbalaria Sm.

C3 Antalya: Akseki, Çukurköy yayla, Yumrudikmeni Hill, 2200 m, 16 vii 1995, limestone rock crevices, A.Duran 2794.

E. Medit. (mt.), (H).

C. saxorum Gand.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, open *Juniperus excelsa*, A.Duran 3704.

Endemic, Ir.-Tur., (Th).

C. phrygia Jaub. & Spach

C3 Antalya: Akseki, Murtiçi, 550 m, 4 v 1996, open macchie and wet places, A.Duran 3527.

E. Medit., (Th).

Asyneuma compactum (Boiss. & Heldr.) Damboldt

C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 12 vi 1995, rocky slopes, A.Duran 2745.

Endemic, E. Medit. (mt.), (H).

A. isauricum Contandr. et al.

C3 Antalya: Akseki, Pınarbaşı village, south of Gidefi Mountain, 1500 m, 11 vi 1995, calcareous rocks, A.Duran 2691.

Endemic, E. Medit., (H).

A. lobeloides (Willd.) Hand.-Mazz.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 12 vi 1995, rocky slopes, A.Duran 2759.

Ir.-Tur., (H).

A. linifolium (Boiss. & Heldr.) Bornm. subsp. *linifolium*

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çatma Alanı, 1600 m, 20 vii 1995, limestone rock crevices, A.Duran 2983.

Endemic, E. Medit. (mt.), (H).

A. rigidum (Willd.) Grossh. subsp. *rigidum*

C3 Antalya: Akseki, Pınarbaşı village, between Çatma Alanı and Evlek pass, 1600 m, 20 vii 1996, steppe, A.Duran 2989.

Ir.-Tur., (H).

A. virgatum (Labill.) Bornm. subsp. *cichoriiforme* (Boiss.) Damboldt

C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1780 m, 5 vii 1994, rocky slopes, A.Duran 1870.

Endemic, E. Medit., (H).

Our specimens have leaves up to 13 cm long and 3 stigmas. It is with leaves 3-6 cm long and 2 stigmas in the Flora of Turkey (VI: 79-81) (Davis, 1978).

Michauxia campanuloides L'Hér. ex Aiton

C3 Antalya: Akseki, between Güzelsu and Serebil, 1250, 29 vi 1996, open macchie, A.Duran 3952.

E. Medit., (H).

Legousia speculum-veneris (L.) Chaix

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550-600 m, 2 v 1996, open macchie and Abies forest, A.Duran 3459.

Medit., (Th).

L. pentagonia (L.) Thell.

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 12 v 1995, cultivated land and open macchie, A.Duran 2310.

E. Medit., (Th).

ERICACEAE

Erica manipuliflora Salisb.

C3 Antalya: Akseki, vicinity of Murtiçi, 550 m, 15 x 1995, macchie, A.Duran 3326.

E. Medit., (Ph).

Arbutus andrachne L.

C3 Antalya: Akseki, between Çaltılıçukur and Güzelsu, 1100 m, 7 iv 1995, macchie, A.Duran 2089.

(Ph).

PRIMULACEAE

Cyclamen cilicium Boiss. & Heldr. var. *cilicium*

C3 Antalya: Akseki, Geyran yayla, 1200 m, 20 viii 1995, rocky slopes, A.Duran 3281.

Endemic, E. Medit. (mt.), (G).

Lysimachia atropurpurea L.

C3 Antalya: Akseki, Pınarbaşı village, 1150 m, 22 vii 1995, damp places, A.Duran 3097.

E. Medit., (Th).

Anagallis arvensis L. var. *caerulea* (L.) Gouan

C3 Antalya: Akseki, Pınarbaşı village, 1200 m, 22 vii 1995, cultivated areas, A.Duran 3100.

(Th).

STYRACACEAE

Styrax officinalis L.

C3 Antalya: Akseki, Çukurköy, 700 m, 7 v 1996, macchie, A.Duran 2223.

(Ph).

OLEACEAE

Jasminum fruticans L.

C3 Antalya: Akseki, Sadıklar village, vicinity of Moru Alanı, 1100 m, 21 vii 1995, macchie, A.Duran 3035.

Medit., (Ph).

Fontanesia philliraeoides Labill. subsp. *philliraeoides*

C3 Antalya: Akseki, between Geyran yayla and Moru Alanı, 1300 m, 6 vii 1994, macchie, A.Duran 1954.

E. Medit., (Ph).

Our specimens have some flat samara fruits, but some are three-winged. It is with flat samara fruits in the Flora of Turkey (VII: 146-147) (Davis, 1978).

Fraxinus ornus L. subsp. *cilicica* (Lingelsh) Yalt.

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1100 m, 14 v 1996, mixed forest and macchie, A.Duran 2369.

Endemic, E. Medit., (Ph).

F. angustifolia Vahl subsp. *angustifolia*

C3 Antalya: Akseki, between Güzelsu and Serebil, 1100 m, 1 vi 1996, macchie, A.Duran 3820.

(Ph).

Olea europaea L. var. *sylvestris* (Mill.) Lehr.

C3 Antalya: Akseki, Sadıklar village, 1050 m, 21 vii 1995, macchie, A.Duran 3007.

Medit., (Ph).

Phillyrea latifolia L.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 850 m, 8 iv 1995, macchie, A.Duran 2143.

Medit., (Ph).

APOCYNACEAE

Nerium oleander L.

C3 Antalya: Akseki, Murtiçi, 550 m, 29 vi 1996, banks of streams, A.Duran 3961.

Medit., (Ph).

Vinca herbacea Waldst. & Kit.

C3 Antalya: Akseki, Geyran yayla, Karayılan pass, 1250 m, 14 v 1995, stony places, A.Duran 2412.

(H).

ASCLEPIADACEAE

Periploca graeca L. var. *graeca*

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 850 m, 8 vii 1996, rill sides, A.Duran 4139.

E. Medit., (Ph).

Vincetoxicum troleum Boiss.

C3 Antalya: Akseki, Gidefi Mountain, 1900 m, 4 vii 1994, among rocks, A.Duran 1840.

Ir.-Tur., (H).

V. fuscatum (Hornem.) Rchb. subsp. *boissieri* (Kusn.) Browicz

C3 Antalya: Akseki, Çukurköy, vicinity of Istarlas, 1000 m, 3 vi 1996, shady places, A.Duran 3867.

Endemic, Ir.-Tur., (H).

This taxon is known from A2, A4, A5, A7, A9, B5, B7 and B9. Its habitat is *Quercus* forest, stony places and riversides. In the area, there are stony places under forest formations. It is interesting that this taxon also grows in the C square.

Cionura erecta (L.) Griseb.

C3 Antalya: Akseki, Çukurköy, Çukurköy Dere, 500 m, 8 vi 1997, rill sides, A.Duran 4189.

E. Medit., (Ph).

GENTIANACEAE

Blackstonia perfoliata (L.) Huds. subsp. *perfoliata*

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 650 m, 25 v 1995, wet places, A.Duran 3653.

(Th).

Centaureum pulchellum (Sw.) Druce

C3 Antalya: Akseki, south of Gidefi Mountain, 1450 m, 4 vii 1994, open forest, A.Duran 1741.

(Th).

CONVOLVULACEAE

Convolvulus cantabrica L.

C3 Antalya: Akseki, between Murtiçi and Taşlıca, 750 m, 1 vi 1996, open macchie, A.Duran 3826.

(H).

C. arvensis L.

C3 Antalya: Akseki, south of Gidefi Mountain, 1450 m, 4 vii 1994, fallow fields, A.Duran 1718.

(H).

C. betonicifolius Mill. subsp. *betonicifolius*

C3 Antalya: Akseki, Geyran yayla, vicinity of Moru Alanı, 1300 m, 6 vii 1994, open macchie, A.Duran 1944.

(H).

C. betonicifolius Mill. subsp. *peduncularis* (Boiss.) Parris

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, fallow fields, A.Duran 3609.

Ir.-Tur., (H).

C. scammonia L.

C3 Antalya: Akseki, between Güzelsu and Serebil, 1100 m, 1 vi 1996, macchie, A.Duran 3823.

E. Medit., (H).

CUSCUTACEAE

Cuscuta campestris Yunck.

C3 Antalya: Akseki, Güzelsu, Miyarönü, 1200 m, 20 viii 1995, on *Verbena* and *Plantago*, A.Duran 3265.

(Vp).

C. palaestina Boiss. subsp. *balansae* (Yunck.) Plitmann

C3 Antalya: Akseki, Pınarbaşı yayla, Daracık pass, 1850 m, 17 viii 1995, on *Marrubium globosum* and *Thymus*, A.Duran 3176.

(Vp).

C. planiflora Ten.

C3 Antalya: Akseki, Pınarbaşı village, between Dazlacık Taşı and Çataloluk, 1500 m, 4 vii 1994, on *Vicia cracca*, A.Duran 1714.

(Vp).

BORAGINACEAE

Heliotropium hirsutissimum Grauer

C3 Antalya: Akseki, Çukurköy, 750 m, 4 vii 1994, roadsides, A.Duran 1682.

E. Medit., (Th).

Asperugo procumbens L.

C3 Antalya: Akseki, Geyran yayla, 1300 m, 9 vi 1995, shady places, A.Duran 2559.

Euro-Sib., (Th).

Myosotis ramosissima Rochel ex Schult. subsp. *ramosissima*

C3 Antalya: Akseki, Otluk Mountain, Şimşirliğözet Hill, 1200 m, 7 v 1995, open forest, A.Duran 2246-A.

(Th).

M. ramosissima Rochel ex Schult. subsp. *uncata* (Boiss. & Balansa) Grau

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, open forest, A.Duran 2181.

Endemic, E. Medit., (Th).

M. stricta Link ex Roem. & Schult.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 4 vi 1996, stony places, A.Duran 3921.

Euro-Sib., (Th).

M. lithospermifolia (Willd.) Hornem.

C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1650 m, 11 vi 1995, steppe and stony places, A.Duran 2733.

(H).

Paracaryum lithospermifolium (Lam.) Grande subsp. *cariense* (Boiss) R.Mill var. *cariense*

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2050 m, 4 vi 1996, stony places, A.Duran 3892.

E. Medit (mt.), (H).

Solenanthes stamineus (Desf.) Wettst.

C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1650 m, 11 vi 1995, turf and steppe, A.Duran 2727.

(H).

Cynoglossum montanum L.

C3 Antalya: Akseki, Gidefi Mountain, 1900 m, 4 vii 1994, stony places, A.Duran 1841.

Euro-Sib., (H).

Buglossoides arvensis (L.) Johnston

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1150 m, 6 v 1995, forest and stony places, A.Duran 2165.

(H).

Echium italicum L.

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 650 m, 25 v 1995, open macchie, A.Duran 3640.

Medit., (H).

Onosma oreodoxum Boiss.

C3 Antalya: Akseki, between Sadıklar and Geyran yayla, 1000 m, 9 vi 1995, macchie, A.Duran 2684.

E. Medit., (H).

O. frutescens Lam.

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, rock crevices, A.Duran 1757.

E. Medit., (H).

O. lycanicum Hub.-Mor.

C3 Antalya: Akseki, Geyran yayla, vicinity of Karakaya, 1600 m, 13 v 1995, stony places, A.Duran 2331.

Endemic, Ir.-Tur., (H).

O. bornmuelleri Hausskn.

C3 Antalya: Akseki, Geyran yayla, vicinity of Moru Alanı, 1200 m, 20 vi 1995, stony places, A.Duran 2641.

Endemic, Ir.-Tur., (H).

Cerinth minor L. subsp. *minor*

C3 Antalya: Akseki, Geyran yayla, 1450 m, 9 vi 1995, dry places and rocky slopes, A.Duran 2585.

Euro-Sib., (H).

This taxon is known from A9 and B1 according to the Flora of Turkey. In the study area, this taxon was collected from a square in the C series for the first time. The specimens collected with flowers and fruits verify that it is subsp. minor. Also, Davis (1978) reported that he collected a specimen from Geyik Mountain similar to subsp. minor, but the specimen collected was without flowers, therefore he was doubtful about the taxonomic position of this taxon.

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

C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1780 m, 5 vii 1994, rocky slopes, A.Duran 1873.

(H).

Symphytum brachycalyx Boiss.

C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1780 m, 5 vii 1994, rocky slopes and shady places, A.Duran 1862.

E. Medit., (H).

Cynoglottis chetikiana Vural & Kit Tan subsp. *chetikiana*

C3 Antalya: Akseki, Otluk Mountain, Otlukbeli Hill, 1400 m, 7 v 1995, shady slopes and open forest, A.Duran 2226.

Endemic, E. Medit., (H).

Anchusa azurea Mill. var. *azurea*

C3 Antalya: Akseki, between Güzelsu and Çaltılıçukur, 1200 m, 16 v 1995, roadsides, A.Duran 2477.

(H).

Alkanna verecunda Hub.-Mor.

C3 Antalya: Akseki, Otluk Mountain, vicinity of Tahtadikmeni, 1700 m, 5 vii 1994, stony places and shady places, A.Duran 1898.

Endemic, (H).

A. oreodoxa Hub.-Mor.

C3 Antalya: Akseki, Güzelsu, south of Otluk Mountain, 1100 m, 7 v 1995, limestone rock crevices, A.Duran, 2234.

Endemic, E. Medit., (H).

SOLANACEAE

Physalis alkekengi L.

C3 Antalya: Akseki, between Güzelsu and Pınarbaşı, 1200 m, 22 vii 1995, shady rocks, A.Duran 3095.

(H).

Mandragora autumnalis Bertol.

C3 Antalya: Akseki, between Murtiçi and Fersin, 650 m, 29 iii 1996, fallow fields, A.Duran 3354.

Medit., (H).

Hyoscyamus niger L.

C3 Antalya: Akseki, Çukurköy, 700 m, 2 v 1996, waste ground, A.Duran 3447.

(Th).

SCROPHULARIACEAE

Verbascum levanticum I. K. Ferguson

C3 Antalya: Akseki, Fersin Alanı, 600 m, 29 iii 1996, open macchie, A.Duran 3353.

E. Medit., (H).

V. adenocarpum Hub.-Mor.

C3 Antalya: Akseki, Çaltılıçukur, Salamut yayla, 1600 m, 4 vi 1996, open places, A.Duran 3886.

Endemic, Ir.-Tur., (H).

V. myriocarpum Boiss. & Heldr.

C3 Antalya: Akseki, Otluk Mountain, Tahtadikmeni, 1700 m, 5 vii 1994, stony places, A.Duran 1914.

Endemic, E. Medit., (H).

- V. flavipannosum** Hub.-Mor.
C3 Antalya: Akseki, Gidefi Mountain, vicinity of Çataloluk, 1500 m, 11 vi 1995, stony places, A.Duran 2737.
Endemic, Ir.-Tur., (H).
- V. glomerulosum** Hub.-Mor.
C3 Antalya: Akseki, Otluk Mountain, vicinity of Anbolu, 1500 m, 16 v 1995, stony places, A.Duran 2449.
Endemic, E. Medit., (H).
- Scrophularia rimarum** Bornm.
C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1750 m, 4 vii 1994, limestone rock crevices, A.Duran 1820.
(Ch).
- S. lucida** L.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, macchie, A.Duran 3610.
Medit., (Ch).
- S. myriophylla** Boiss. & Heldr.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 19 vii 1995, screes, A.Duran 2931.
E. Medit., (H).
- Misopates orontium** (L.) Raf.
C3 Antalya: Akseki, Sadıklar village, 1200 m, 21 vii 1995, cultivated land, A.Duran 3032.
(Th).
- Linaria genistifolia** (L.) Mill. subsp. **confertiflora** (Boiss.) P.H.Davis
C3 Antalya: Akseki, Güzelsu, 1200 m, 12 x 1995, roadsides, A.Duran 3295.
Endemic, Ir.-Tur., (H).
- L. grandiflora** Desf.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 12 vi 1995, screes, A.Duran 2775.
Ir.-Tur., (H).
- L. corifolia** Desf.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğağnağı, 1900 m, 18 vii 1995, stony steppe, A.Duran 2888-B.
Endemic, Ir.-Tur., (H).
- Spur (up to 3 mm long versus 2-2.5 mm long) and leaves (up to 5 mm long versus 1-3 mm long) of the specimens above are longer than those in the Flora of Turkey (VI: 662-663) (Davis, 1978).
- L. chalepensis** (L.) Mill. var. **brevicalyx** P.H.Davis
C3 Antalya: Akseki, Taşlıca village, Tuzaklı Dağı, 850 m, 4 v 1996, open scrub, A.Duran 3539.
Endemic, E. Medit., (Th).
- L. pelisseriana** (L.) Mill.
C3 Antalya: Akseki, Murtiçi, 550-600 m, 25 v 1994, open macchie, A.Duran 3676.
Medit., (Th).
- Cymbalaria microcalyx** (Boiss.) Wettst.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 28 iii 1996, limestone rock crevices, A.Duran 3334.
E. Medit., (H).
- Kickxia elatina** (L.) Dumort. subsp. **critina** (Mabille) Greuter
C3 Antalya: Akseki, Çaltılıçukur, Salamut yayla, 1700 m, 17 viii 1995, wet places, A.Duran 3144.
Medit., (Th).
- Digitalis ferruginea** L. subsp. **ferruginea**
C3 Antalya: Akseki, Otluk Mountain, Tahtadikmeni Hill, 1700 m, 5 vii 1994, stony places, A.Duran 2901.
Euro-Sib., (H).
- D. davisiana** Heywood
C3 Antalya: Akseki, Çukurköy, vicinity of Çayırliyer, 800 m, 29 vi 1996, open forest, A.Duran 3924.
Endemic, E. Medit., (H).
- D. cariensis** Boiss. ex Jaub. & Spach
C3 Antalya: Akseki, between Sadıklar village and Geyran yayla, 1000 m, 9 vi 1995, mixed forest, A.Duran 2681.
Endemic, E. Medit., (H).
- Veronica bozakmanii** M.A.Fischer
C3 Antalya: Akseki, Geyran yayla, 1350 m, 14 v 1995, wet places, A.Duran 2427-B.
Ir.-Tur., (Th).
- V. pusilla** Kotschy var. **pusilla**
C3 Antalya: Akseki, Geyran yayla, vicinity of Yukarı Alan, 1500 m, 14 v 1995, pastures, A.Duran 2422.
Ir.-Tur., (Th).
- V. syriaca** Roem. & Schult.
C3 Antalya: Akseki, between Çaltılıçukur and Güzelsu, 1150 m, 7 iv 1995, wet places, A.Duran 2082.
E. Medit., (Th).
- V. arvensis** L.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 700 m, 2 v 1996, fallow fields, A.Duran 3443.
Euro-Sib., (Th).
- V. praecox** All.
C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1050 m, 26 v 1996, open scrub, A.Duran 3696.
(Th).
- V. cymbalaria** Bodard
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, stony slopes, A.Duran 3414.
Medit., (Th).
- V. hederifolia** L.
C3 Antalya: Akseki, Çaltılıçukur, Salamut yayla, 1600 m, 3 v 1996, stony places, A.Duran 3492.
(Th).
- V. anagallis-aquatica** L. subsp. **anagallis-aquatica**
C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1500 m, 4 vii 1994, banks and springs, A.Duran 1732.
(H).
- V. cuneifolia** D.Don subsp. **cuneifolia**
C3 Antalya: Akseki, between Çataloluk and Evlek pass, 1600 m, 1 vii 1996, stony places, A.Duran 4019.
Endemic, E. Medit. (mt.), (H).
- V. cuneifolia** D.Don subsp. **isaurica** P.H.Davis
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, open forest, A.Duran 2160.
Endemic, E. Medit. (mt.), (H).

- V. multifida** L.
C3 Antalya: Akseki, Pınarbaşı yayla (Softalar), 1900 m, 4 vi 1996, stony places, A.Duran 3898.
Endemic, Ir.-Tur., (H).
Parantucellia viscosa (L.) Caruel
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 25 v 1996, fallow fields, A.Duran 3669.
Medit., (Th).
P. latifolia (L.) Caruel subsp. **latifolia**
C3 Antalya: Akseki, Geyran yayla, vicinity of Kocaoluk, 1350 m, 14 v 1995, wet places, A.Duran 2427-A.
Medit., (Th).
Bellardia trixago (L.) All.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 25 v 1996, fallow fields, A.Duran. 3668.
(Th).
Pedicularis cadmea Boiss.
C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 12 vi 1995, rocky slopes, A.Duran 2743.
Endemic, E. Medit. (mt.), (H).
OROBANCHACEAE
Orobanche nana Noë ex G. Beck
C3 Antalya: Akseki, Güzelsu, 1200 m, 12 x 1995, fallow fields and steppe, A.Duran 3300.
(Vp).
O. cilicica G. Beck
C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1500 m, 11 vi 1996, stony places, A.Duran 2708.
(Vp).
O. minor Sm.
C3 Antalya: Akseki, vicinity of Çukurköy, 800 m, 12 vi 1995, Pinus brutia forest, A.Duran 2785.
(Vp).
O. caryophyllacea Sm.
C3 Antalya: Akseki, south of Güzelsu, 1200 m, 16 v 1995, open macchie, A.Duran 2475.
(Vp).
- O. anatolica** Boiss. & Reuter
C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1300 m, 13 v 1995, under Pistacia terebinthus, A.Duran 2373.
(Vp).
ACANTHACEAE
Acanthus hirsutus Boiss.
C3 Antalya: Akseki, Geyran yayla, 1450 m, 1 vi 1995, stony slopes, A.Duran 2569.
Endemic, (H).
GLOBULARIACEAE
Globularia trichosantha Fisch. & C.A.Mey. subsp. **trichosantha**
C3 Antalya: Akseki, Otluk Mountain, Karakaya Hill, 1600 m, 13 v 1995, stony places and steppe, A.Duran 2323.
(H).
VERBENACEAE
Verbena officinalis L.
C3 Antalya: Akseki, Güzelsu, Miyarönü, 1200 m, 20 viii 1995, field borders, A.Duran 3236, (H).
Vitex agnus-castus L.
C3 Antalya: Akseki, Çukurköy, 700 m, 6 vii 1994, near rills, A.Duran 1972.
Medit., (Ph).
LABIATAE (Lamiaceae)
Ajuga chamaepitys (L.) Schreb. subsp. **chia** (Schreb.) Arcangeli var. **chia**
C3 Antalya: Akseki, between Güzelsu and Serebil, 1100 m, 20 viii 1995, roadsides, A.Duran 3221.
(H).
A. chamaepitys (L.) Schreb. subsp. **palaestina** (Boiss.) Bornm.
C3 Antalya: Akseki, Taşlıca village, vicinity of Tuzaklı, 900 m, 28 v 1996, open scrub, A.Duran 3737.
E. Medit., (H).
A. chamaepitys (L.) Schreb. subsp. **glareosa** P.H.Davis
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eğerbeli, 2200 m, 17 vii 1995, stony places, A.Duran 2856.
(H).
- Teucrium chamaedrys** L. subsp. **lydium** O.Schwarz
C3 Antalya: Akseki, south of Gidefi Mountain, 1400 m, 4 vii 1994, stony places, A.Duran 1806.
E. Medit., (H).
T. polium L.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğnağı, 1900 m, 18 vii 1995, open places, A.Duran 2887.
(Ch).
T. lamiifolium d'Urv. subsp. **lamiifolium**
C3 Antalya: Akseki, east of Güzelsu, 1250 m, 22 vii 1995, mixed forest, A.Duran 3106.
(H).
Scutellaria rubicunda Hornem. subsp. **brevibracteata** (Stapf) J.R.Edm.
C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, mixed forest, A.Duran 1765.
Endemic, E. Medit., (H).
S. salviifolia Benth.
C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1100 m, 14 v 1995, open scrub, A.Duran 2401.
Endemic, (H).
S. orientalis L. subsp. **alpina** (Boiss.) O.Schwarz. var. **glandulosissima** O.Schwarz.
C3 Antalya: Akseki, Geyran yayla, north of Otluk Mountain, 1500 m, 9 vi 1995, stony slopes and steppe, A.Duran 2499.
Endemic, (H).
Phlomis samia L.
C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1500 m, 20 vii 1995, roadsides and Pinus brutia forest, A.Duran 2960.
E. Medit., (H).
P. rigida Labill.
C3 Antalya: Akseki, vicinity of Murtiçi, 550 m, 4 v 1996, macchie, A.Duran 3524.
E. Medit., (H).
P. lunariifolia Sm.
C3 Antalya: Akseki, vicinity of Murtiçi, 550 m, 4 v 1996, macchie, A.Duran 3524.
E. Medit., (Ph).

P. grandiflora H.S.Thomps. var. **grandiflora**

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 600 m, 25 v 1996, macchie, A.Duran 3667.

Endemic, E. Medit., (Ph).

P. leucophracta P.H.Davis & Hub.-Mor.

C3 Antalya: Akseki, between Murtiçi and Taşlıca village, 700 m, 4 v 1996, macchie, A.Duran 3512.

Endemic, E. Medit., (Ph).

P. armeniaca Willd.

C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1600 m, 4 vii 1994, steppe, A.Duran 1698.

Endemic, Ir.-Tur., (Ch).

P. nissolii L.

C3 Antalya: Akseki, Murtiçi, 550 m, 29 vi 1996, roadsides, A.Duran 3970.

Endemic, Ir.-Tur., (H).

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

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1500 m, 30 vi 1996, open Cedrus libani, A.Duran 3995.

(H).

L. garganicum L. subsp. **nepetifolium** (Boiss.) R.Mill

C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 13 vi 1995, stony places, A.Duran 2786.

Endemic, E. Medit., (H).

Our specimens have verticillasters of 2-8 flowers. It is with verticillasters of 2 flowers in the Flora of Turkey (VII: 131-135) (Davis, 1978).

L. eriocephalum Benth. subsp. **glandulosidens** (Hub.-Mor.) R.Mill

C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 16 vii 1995, screes, A.Duran, 2786.

Endemic, E. Medit. (mt.), (H).

L. amplexicaule L.

C3 Antalya: Akseki, between Murtiçi and Taşlıca village, 800 m, 30 iii 1996, open macchie, A.Duran 3369.

Euro-Sib., (Th).

L. macrodon Boiss.& Huet

C3 Antalya: Akseki, south of Gidefi Mountain, 1350 m, 8 v 1995, forest, A.Duran 2265.

Ir.-Tur., (Th).

Ballota inaequidens Hub.-Mor. & Patzak

C3 Antalya: Akseki, south of Gidefi Mountain, 1600 m, 20 vii 1995, rocky slopes, A.Duran 2974.

Endemic, E. Medit., (H).

Our specimens have glandular hairs and grow at 1200-1600 m. It is with eglandular hairs and grows at 200 m in the Flora of Turkey (VII: 158) (Davis, 1982).

Marrubium vulgare L.

C3 Antalya: Akseki, Güzelsu, 1250 m, 4 vi 1996, waste ground, A.Duran 3928.

(H).

M. globosum Monthbret & Aucher ex Benth. subsp. **globosum**

C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1650 m, 4 vii 1994, steppe, A.Duran 1825.

Endemic, Ir.-Tur., (Ch).

Sideritis erythrantha Boiss.& Heldr. apud Benth. var. **erythrantha**

C3 Antalya: Akseki, Geyran yayla, vicinity of Karakaya Hill, 1450 m, 6 vii 1996, calcareous slopes, A.Duran 4109.

Endemic, Ir.-Tur., (Ch).

S. arguta Boiss. & Heldr.

C3 Antalya: Akseki, north of Pınarbaşı village, 1400 m, 20 vii 1995, open forest, A.Duran 2966.

Endemic, E. Medit., (H).

S. libanotica Labill. subsp. **violascens** (P.H.Davis) P.H.Davis

C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1780 m, 5 vii 1994, limestone rocks, A.Duran 1879.

Endemic, E. Medit., (H).

S. perfoliata L.

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 850 m, 18 viii 1995, open macchie, A.Duran 3191.

E. Medit., (H).

Stachys cretica L. subsp. **vacillans** Rech.f.

C3 Antalya: Akseki, Sadıklar village, 1000 m, 9 vi 1995, open macchie, A.Duran 2679.

E. Medit., (H).

S. citrina Boiss.& Heldr. apud Benth. subsp. **citrina**

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2200 m, 16 vii 1995, limestone rock crevices, A.Duran 2812.

Endemic, E. Medit., (Ch).

S. lavandulifolia Vahl var. **lavandulifolia**

C3 Antalya: Akseki, Geyran yayla, 1550 m, 9 vi 1995, stony steppe, A.Duran 2520.

Ir.-Tur., (H).

Melissa officinalis L. subsp. **officinalis**

C3 Antalya: Akseki, Güzelsu, Miyarönü, 1200 m, 20 viii 1995, waste ground, A.Duran 3259.

(H).

Nepeta italica L.

C3 Antalya: Akseki, between Sadıklar village and Geyran yayla, 1000 m, 9 vi 1995, stony places, A.Duran 2680.

(H).

N. cadmea Boiss.

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, stony places, A.Duran 1770.

Endemic, E. Medit., (H).

N. nuda L. subsp. **albiflora** (Boiss.) Gams

C3 Antalya: Akseki, Geyran yayla, vicinity of Kocaoluk, 1350 m, 10 vi 1995, stony places, A.Duran 2649.

(H).

N. phyllochlamys P.H.Davis

C3 Antalya: Akseki, Çukurköy yayla, Daracık pass, 1850 m, 17 viii 1995, stony places and steppe, A.Duran 3169.

Endemic, E. Medit., (H).

N. isaurica Boiss. & Heldr. apud Benth.

C3 Antalya: Akseki, Geyran yayla, north of Otluk Mountain, 1550 m, 9 vi 1995, stony places and steppe, A.Duran 2494.

Endemic, E. Medit., (H).

- N. cilicica** Boiss. apud Benth.
C3 Antalya: Akseki, Otluk Mountain, vicinity of Tahtadikmeni Hill, 1700 m, 5 vii 1994, stony places, A.Duran 1899.
E. Medit. (mt.), (H).
- N. concolor** Boiss. & Heldr. apud Benth.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2200 m, 17 viii 1995, rocky slopes, A.Duran 3147.
Endemic, E. Medit. (mt.), (H).
- Prunella vulgaris** L.
C3 Antalya: Akseki Güzelsu, Miyarönü, 1200 m, 20 viii 1995, fallow fields, A.Duran 3266.
Euro-Sib., (H).
- P. orientalis** Bornm.
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru Alanı, 1200 m, 21 vii 1995, wet places, A.Duran 3123.
(H).
- Origanum saccatum** P.H.Davis
C3 Antalya: Akseki, Çukurköy, 800 m, 19 viii 1995, open Pinus brutia, A.Duran 3196.
Endemic, E. Medit., (H).
- O. bilgeri** P.H.Davis
C3 Antalya: Akseki, Güzelsu, vicinity of Serebil, 1100 m, 12 x 1995, rocky slopes, A.Duran 3276.
Endemic, E. Medit., (Ch).
- O. majorana** L.
C3 Antalya: Akseki, north of Pınarbaşı village, 1150 m, 22 vii 1995, open macchie, A.Duran 3102.
E. Medit., (Ch).
- Satureja cuneifolia** Ten.
C3 Antalya: Akseki, Sadıklar village, Kuz Dere 1300 m, 12 x 1995, limestone rock crevices, A.Duran 3290.
Medit., (Ch).
- Calamintha pamphylica** Boiss. & Heldr. subsp. **pamphylica**
C3 Antalya: Akseki, Çukurköy, vicinity of Gebedere, 450 m, 21 iv 1997, limestone rock crevices, A.Duran 4157.
Endemic, E. Medit., (H).
- Clinopodium vulgare** L. subsp. **vulgare**
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1250 m, 10 vi 1995, macchie, A.Duran 2639.
(H).
- C. vulgare** L. subsp. **arundanum** (Boiss.) Nyman
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1250 m, 10 vi 1995, macchie, A.Duran 2639.
(H).
- Acinos rotundifolius** Pers.
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, open forest and steppe, A.Duran 2177.
(Th).
- Micromeria myrtifolia** Boiss. & Hohen
C3 Antalya: Akseki, Çaltılıçukur, 700 m, 22 vii 1995, macchie, A.Duran 3063.
E. Medit., (Ch).
- M. graeca** (L.) Benth. ex Rchb. subsp. **graeca**
C3 Antalya: Akseki, between Çaltılıçukur village and Değirmenler, 650 m, 22 vii 1995, stony places, A.Duran 3081.
Medit., (H).
- Cyclotrichium origanifolium** (Labill.) Manden. & Scheng.
C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 19 vii 1995, screes, A.Duran 2935.
E. Medit. (mt.), (Ch).
- Thymus revolutus** âelak.
C3 Antalya: Akseki, around Çukurköy, 750 m, 4 vii 1994, open macchie, A.Duran 1686.
Endemic, E. Medit., (Ch).
- T. leucotrichus** Hal. var. **leucotrichus**
C3 Antalya: Akseki, Gidefi Mountain, 1750 m, 11 vi 1995, steppe and open macchie, A.Duran 3969.
E. Medit., (Ch).
- Bracts (3.5-5 mm broad versus 1.8-3.5 mm broad) of the specimens above are broader than those in the Flora of Turkey (III: 356-357) (Davis, 1982).
- Thymbra spicata** L. var. **spicata**
C3 Antalya: Akseki, Çukurköy, vicinity of Moru, 750 m, 5 v 1996, open macchie, A.Duran 3584.
E. Medit., (Ch).
- Mentha longifolia** (L.) Huds. subsp. **typhoides** (Briq.) Harley var. **typhoides**
C3 Antalya: Akseki, around Sadıklar village, 1150 m, 21 vii 1995, wet places, A.Duran 3020.
(H).
- Ziziphora clinopodioides** Lam.
C3 Antalya: Akseki, Çukurköy yayla, 1950 m, 16 viii 1995, steppe, A.Duran 3115.
(Ch).
- Z. capitata** L.
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1200 m, 10 vi 1995, open macchie and cultivated land, A.Duran 2643.
Ir.-Tur., (Th).
- Salvia tomentosa** Mill.
C3 Antalya: Akseki, north of Otluk Mountain, 1600 m, 9 vi 1995, roadsides and open forest, A.Duran 248.
Medit., (H).
- S. viridis** L.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 2 v 1996, open macchie, A.Duran 3453.
Medit., (Th).
- S. sclarea** L.
C3 Antalya: Akseki, Güzelsu, 1200 m, 28 v 1996, roadsides, A.Duran 3764.
(H).
- S. microstegia** Boiss. & Balansa
C3 Antalya: Akseki, Geyran yayla, vicinity of Kocaoluk, 1350 m, 2 vi 1996, steppe, A.Duran 3858.
Ir.-Tur., (H).
- S. staminea** Montbret & Aucher ex Benth.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 12 vi 1995, stony places, A.Duran 2766.
Ir.-Tur., (H).

This species is known from A7, A8, A9, B7, B8, B9 and C10. It grows in Armenia, Georgia and North and Northwest Iran and the study area is quite far from these localities. The specimens collected from Van have shorter filaments compared with specimens from C3. This variation might be because of geographical differences.

S. virgata Jacq.

C3 Antalya: Akseki, north of Gidefi Mountain, 1700 m, 11 vi 1995, stony places, A.Duran 2725.

Ir.-Tur., (H).

S. adenocaulon P.H.Davis

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, open macchie, A.Duran 3624.

Endemic, (H).

S. dichroantha Stapf

C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1500 m, 30 vi 1996, open forest, A.Duran 3992.

Endemic, Ir.-Tur., (H).

PLUMBAGINACEAE

Plumbago europaea L.

C3 Antalya: Akseki, Geyran yayla, 1350 m, 12 x 1995, waste ground, A.Duran 3285.

Euro-Sib, (H).

Acantholimon acerosum (Willd.) Boiss. var. **acerosum**

C3 Antalya: Akseki, Otluk Mountain, vicinity of Tahtadikmeni, 1700 m, 5 vii 1994, stony places, A.Duran 1996.

Ir.-Tur., (Ch).

A. ulicinum (Willd. ex Schult.) Boiss. subsp. **ulicinum** var. **ulicinum**

C3 Antalya: Akseki, Gidefi Mountain, 1900 m, 4 vii 1994, steppe, A.Duran 1823.

E. Medit., (Ch).

PLANTAGINACEAE

Plantago major L. subsp. **major**

C3 Antalya: Akseki, Güzelsu, vicinity of Miyarönü, 1200 m, 20 viii 1995, fallow fields, A.Duran 3268.

(H).

P. lanceolata L.

C3 Antalya: Akseki, Geyran yayla, 1600 m, 21 vii 1995, meadows, A.Duran 3058.

(H).

P. lagopus L.

C3 Antalya: Akseki, vicinity of Murtiçi, 550 m, 4 v 1996, fallow fields, A.Duran 3537.

Medit., (H).

P. afra L.

C3 Antalya: Akseki, Çukurköy, vicinity of Gebedere, 700 m, 21 iv 1997, wet meadows, A.Duran 4162.

(Th).

THYMELAEACEAE

Daphne sericea Vahl

C3 Antalya: Akseki, between Çaltılıçukur and Güzelsu, 1150 m, 7 iv 1995, macchie, A.Duran 2056.

(Ph).

D. oleoides Schreb. subsp. **oleoides**

C3 Antalya: Akseki, Geyran yayla, 1350 m, 9 vi 1995, stony places, A.Duran 2546.

(Ch).

D. gnidioides Jaub. & Spach

C3 Antalya: Akseki, Sadıklar village, 1150 m, 21 vii 1995, macchie, A.Duran 3042.

E. Medit., (Ph).

LAURACEAE

Laurus nobilis L.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 28 iii 1996, macchie, A.Duran 3337.

Medit., (Ph).

SANTALACEAE

Thesium billardieri Boiss.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 30 v 1996, limestone slopes, A.Duran 3781.

Ir.-Tur., (H).

Osyris alba L.

C3 Antalya: Akseki, Çukurköy, 800 m, 14 x 1995, open macchie, A.Duran 3323.

Medit., (Ch).

LORANTHACEAE

Arceuthobium oxycedri (DC.) M.Bieb.

C3 Antalya: Akseki, Otluk Mountain, 1100 m, 7 iv 1995, on *Juniperus oxycedrus*, A.Duran 2110.

(Vp).

Viscum album L. subsp. **abietis** (Wiesb.) Abrom.

C3 Antalya: Akseki, Otluk Mountain, 1600 m, 13 v 1995, on *Abies*, A.Duran 2324.

(Vp).

ARISTOLOCHACEAE

Aristolochia lycica P.H.Davis & M.S.Khan

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 850 m, 9 v 1995, open forest, A.Duran 2301.

Endemic, E. Medit., (H).

A. paecilantha Boiss.

C3 Antalya: Akseki, Geyran yayla, vicinity of Aşağı Alan, 1250 m, 13 v 1995, open scrub, A.Duran 2365.

E. Medit., (H).

A. hirta L.

C3 Antalya: Akseki, between Murtiçi and Taşlıca, 700 m, 4 v 1996, field borders, A.Duran 3510.

Endemic, E. Medit., (H).

EUPHORBIACEAE

Andrachne telephioides L.

C3 Antalya: Akseki, south of Gidefi Mountain, 1450 m, 19 viii 1995, screes, A.Duran 3200.

(H).

Mercurialis annua L.

C3 Antalya: Akseki, Çukurköy, 750 m, 2 v 1996, around village, A.Duran 3445.

(Th).

Euphorbia chamaesyce L.

C3 Antalya: Akseki, Geyran yayla, vicinity of Kocaoluk, 1350 m, 6 vii 1996, pastures and open macchie, A.Duran 4108.

(Th).

E. condylocarpa M.Bieb.

C3 Antalya: Akseki, Geyran yayla, south of Kocaoluk, 1500 m, 13 v 1995, stony places, A.Duran 2341.

(H).

Our specimens have internodes up to 22 mm long, margins of stems and involucral leaves entire. It is with internodes 2-8 mm

long, rarely 10 mm, margins of stems and involucral leaves serrate in the Flora of Turkey (X: 213) (Davis et al., 1988).

E. helioscopia L.

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, cultivated land, A.Duran 3402.

(Th).

E. taurinensis All.

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, open forest, A.Duran 217.

(Th).

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

C3 Antalya: Akseki, between Güzelsu and Serebil, 1150 m, 22 vii 1995, roadsides, A.Duran 3101.

(Th).

E. herniariifolia Willd. var. *glaberrima* Hal.

C3 Antalya: Akseki, Çukurköy yayla, 2100 m, 17 viii 1995, screes, A.Duran 3162.

(H).

E. kotschyana Fenzl

C3 Antalya: Akseki, Gidefi Mountain, 1850 m, 4 vii 1994, steppe, A.Duran 1837.

E. Medit. (mt.), (Ch).

URTICACEAE

Urtica dioica L.

C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1700 m, 4 vii 1994, waste ground, A.Duran 1814.

Euro-Sib., (H).

Parietaria lusitanica L.

C3 Antalya: Akseki, Çukurköy, vicinity of Sullahbelen, 600 m, 25 v 1996, rock crevices, A.Duran 3677.

Medit., (Th).

MORACEAE

Ficus carica L. subsp. *carica*

C3 Antalya: Akseki, Sadıklar village, 1050 m, 21 vii 1995, mixed forest, A.Duran 2995.

(Ph).

ULMACEAE

Ulmus glabra Huds.

C3 Antalya: Akseki, Geyran yayla, 1450 m, 9 vi 1995, open places, A.Duran 2577.

Euro-Sib., (Ph).

U. minor Mill. subsp. *canescens* (Melville) Browicz & Ziel.

C3 Antalya: Akseki, between Güzelsu and Sadıklar, 1150 m, 20 viii 1995, fallow fields, A.Duran 3229.

E. Medit., (Ph).

Celtis glabrata Steven ex Planch.

C3 Antalya: Akseki, between Güzelsu and Pınarbaşı, 1200 m, 22 vii 1995, stony places, A.Duran 3096.

(Ph).

JUGLANDACEAE

Juglans regia L.

C3 Antalya: Akseki, Geyran yayla, 1350 m, 6 vii 1994, open places, A.Duran 1962.

(Ph).

PLATANACEAE

Platanus orientalis L.

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 21 vii 1995, near rills, A.Duran 3047.

(Ph).

FAGACEAE

Quercus vulcanica [Boiss. & Heldr. ex] Kotschy

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğnağı, 1900 m, 18 vii 1995, rocky slopes, A.Duran 2918.

Endemic, E. Medit. (mt.), (Ph).

Q. infectoria Olivier subsp. *boissieri* (Reuter) O.Schwarz

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, macchie, A.Duran 3603.

(Ph).

Q. cerris L. var. *cerris*

C3 Antalya: Akseki, Geyran yayla, 1300 m, 6 vii 1994, macchie, A.Duran 1952.

Medit., (Ph).

Q. trojana Webb

C3 Antalya: Akseki, Otluk Mountain, vicinity of Tahtadikmeni Hill, 1700 m, 5 vii 1994, stony places, A.Duran 1903.

E. Medit., (Ph).

Q. coccifera L.

C3 Antalya: Akseki, Geyran yayla, 1300 m, 6 vii 1994, macchie, A.Duran 1956.

Medit., (Ph).

CORYLACEAE

Ostrya carpinifolia Scop.

C3 Antalya: Akseki, Otluk Mountain, 1700 m, 5 vii 1994, deciduous forest, A.Duran 1894.

Medit., (Ph).

BETULACEAE

Alnus orientalis Decne. var. *pubescentis* Dippel

C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, near rills, A.Duran 3400.

Endemic, E. Medit., (Ph).

SALICACEAE

Salix alba L.

C3 Antalya: Akseki, Geyran yayla, 1350 m, 13 v 1996, waste ground, A.Duran 2342.

Euro-Sib., (Ph).

Populus tremula L.

C3 Antalya: Akseki, Geyran yayla, vicinity of Karakaya, 1300 m, 2 vi 1996, Abies forest, A.Duran 3843.

Euro-Sib., (Ph).

P. nigra L. subsp. *nigra*

C3 Antalya: Akseki, Sadıklar village, 1000 m, 21 vii 1995, stream banks, A.Duran 3034.

(Ph).

RUBIACEAE

Putoria calabrica (L.f.) DC.

C3 Antalya: Akseki, Çaltılıçukur village, 700 m, 22 vii 1995, open macchie, A.Duran 3064.

Medit., (Ch).

Sherardia arvensis L.

C3 Antalya: Akseki, between Güzelsu and Çaltılıçukur, 1200 m, 7 iv 1995, fallow fields, A.Duran 2083.

Medit., (Th).

Crucianella macrostachya Boiss.

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 650 m, 25 v 1996, macchie, A.Duran 3600-B.

E. Medit., (Th).

C. latifolia L.

C3 Antalya: Akseki, between Geyran yayla and Moru Alan, 1300 m, 10 vi 1995, open places, A.Duran 2608.

Medit., (H).

Asperula arvensis L.

C3 Antalya: Akseki, Geyran yayla, vicinity of Aşağı Alan, 1250 m, 13 v 1995, open scrub, A.Duran 2362.

Medit., (Th).

A. setosa Jaub. & spach

C3 Antalya: Akseki, Çukurköy yayla, 1900 m, 4 vii 1996, steppe, A.Duran 4075.

Ir.-Tur., (Th).

A. serotina (Boiss. & Heldr.) Ehrend.

C3 Antalya: Akseki, Gidefi Mountain, 1850 m, 4 vii 1994, limestone rock crevices, A.Duran 1852.

Endemic, E. Medit., (Ch).

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

C3 Antalya: Akseki, Gidefi Mountain 1850 m, 4 vii 1994, stony places, A.Duran 1850.

(H).

G. consanguineum Boiss.

C3 Antalya: Akseki, Fersin yayla, Evlek pass, 1750 m, 5 vii 1994, rocky slopes, A.Duran 1888.

Ir.-Tur., (H).

G. incanum Sm. subsp. **elatius** (Boiss.) Ehrend.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğnağı, 1900 m, 18 vii 1995, stony places, A.Duran 2902.

Ir.-Tur., (H).

G. sorgerae Ehrend. & Schön.-Tem.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2150 m, 17 viii 1995, limestone rock crevices, A.Duran 3151.

Endemic, (H).

G. tricornutum Dandy

C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1150 m, 6 v 1995, fallow fields, A.Duran 2216.

Medit., (Th).

G. adherens Boiss. & Balansa

C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1050 m, 14 v 1995, stony places, A.Duran 2394.

Endemic, E. Medit., (Th).

G. divaricatum Pourr. ex Lam.

C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, open macchie, A.Duran 3722.

Medit., (Th).

G. peplidifolium Boiss.

C3 Antalya: Akseki, Otluk Mountain, 1200 m, 7 v 1995, forest, A.Duran 2253.

E. Medit., (Th).

G. isauricum Ehrend. & Schön.-Tem.

C3 Antalya: Akseki, south of Gidefi Mountain, 1450 m, 19 viii 1995, stony places and Cedrus libani forest, A.Duran 3202.

Endemic, E. Medit., (Th).

G. murale (L.) All.

C3 Antalya: Akseki, vicinity of Murtiçi, 550 m, 4 v 1996, fallow fields, A.Duran 3516.

Medit., (Th).

Cruciata taurica (Pall. ex Willd.) Ehrend.

C3 Antalya: Akseki, south of Gidefi Mountain, 1450 m, 8 v 1995, rocky slopes, A.Duran 2269.

Ir.-Tur., (H).

Valantia hispida L.

C3 Antalya: Akseki, Güzelsu, Otluk Mountain, 1100 m, 7 v 1995, rocky slopes, A.Duran 2237.

Medit., (Th).

Rubia tenuifolia d'Urv. subsp. **brachypoda** (Boiss.) Ehrend. & Schön.-Tem.

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 560 m, 8 vii 1996, macchie, A.Duran 4123.

E. Medit., (Ph).

MONOCOTYLEDONES

ARACEAE

Arum dioscoridis Sm. var. **luschanii** R.Mill

C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 12 v 1995, fallow fields, A.Duran 2305.

Endemic, E. Medit., (G).

Arisarum vulgare Targ.Tozz. subsp. **vulgare**

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 28 iii 1996, on rocky hillsides and shady rocks, A.Duran 3336.

Medit., (G).

Dracunculus vulgaris Schott

C3 Antalya: Akseki, between Murtiçi and Çukurköy, 600 m, 2 v 1996, macchie, A.Duran 3448.

E. Medit., (G).

LILIACEAE

Smilax aspera L.

C3 Antalya: Akseki, Çukurköy, 750 m, 4 vii 1994, macchie, A.Duran 1690.

(Ph).

Ruscus aculeatus L. var. **angustifolius** Boiss.

C3 Antalya: Akseki, north of Mahmutlu village, 1100 m, 21 vii 1995, macchie, A.Duran 3043.

(Ch).

Asparagus acutifolius L.

C3 Antalya: Akseki, Çukurköy, 750 m, 4 vii 1994, macchie, A.Duran 1692.

Medit., (Ch).

Asphodelus aestivus Brot.

C3 Antalya: Akseki, Fersin village, 700 m, 29 iii 1996, open Pinus brutia forest, A.Duran 3355.

Medit., (H).

Asphodeline lutea (L.) Rchb.

C3 Antalya: Akseki, Geyran yayla, Karayılan pass, 1400 m, 14 v 1995, open places and stony slopes, A.Duran 2410.

Medit., (H).

Allium cassium Boiss.

C3 Antalya: Akseki, Çukurköy yayla, vicinity of Toptaş, 2000 m, 12 vi 1995, screes, A.Duran 2757.

E. Medit. (mt.), (G).

- A. callidictyon** C.A.Mey. ex Kunth
C3 Antalya: Akseki, Çukurköy yayla, 2100 m, 18 vii 1995, stony places, A.Duran 2857.
Ir.-Tur., (G).
- A. pallens** L.
C3 Antalya: Akseki, west of Pınarbaşı village, 1150 m, 22 vii 1995, stony places, A.Duran 3093.
(G).
- A. flavum** L. subsp. *tauricum* (Besser ex Rchb.) Stearn var. *tauricum*
C3 Antalya: Akseki, Taşlıca village, vicinity of Tuzaklı, 930 m, 28 v 1996, open forest, A.Duran 3746.
Medit., (G).
- A. myrianthum** Boiss.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, macchie, A.Duran 3622.
Ir.-Tur., (G).
- A. ampeloprasum** L.
C3 Antalya: Akseki, east of Çukurköy, 1000 m, 8 vii 1996, screes, A.Duran 4114.
Medit., (G).
- A. atroviolaceum** Boiss.
C3 Antalya: Akseki, Sadıklar village, 1050 m, 21 vii 1995, near cultivated land, A.Duran 3005.
(G).
- A. scorodoprasum** L. subsp. *rotundum* (L.) Stearn
C3 Antalya: Akseki, Geyran yayla, 1450 m, 9 vi 1995, stony places, A.Duran 2570.
Medit., (G).
- A. sphaerocephalon** L. subsp. *sphaerocephalon*
C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1000 m, 26 v 1996, forest, A.Duran 3708.
Euro-Sib., (G).
- A. phaneranthum** Boiss. & Hausskn. subsp. *phaneranthum*
C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, stony places, A.Duran 1774.
E. Medit., (G).
- A. vineale** L.
C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1650 m, 11 vi 1995, steppe, A.Duran 2730.
(G).
- A. amethystinum** Tausch
C3 Antalya: Akseki, Güzelsu, vicinity of Katranlık, 1300 m, 28 v 1996, Cedrus libani forest, A.Duran 3763.
Medit., (G).
- A. junceum** Sm. subsp. *tridentatum* Kollmann
C3 Antalya: Akseki, between Güzelsu and Serebil, 1200 m, 29 vi 1996, macchie, A.Duran 3948.
Endemic, Medit., (G).
- A. karacae** M.Koyuncu
C3 Antalya: Akseki, Geyran yayla, 1600 m, 6 vii 1994, open Quercus, A.Duran, 1970.
Endemic, E. Medit., (G).
- A. orientale** Boiss.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1700 m, 12 vi 1995, stony places, A.Duran 2782.
E. Medit., (G).
- Scilla bifolia** L.
C3 Antalya: Akseki, Geyran yayla, 1300 m, 7 iv 1995, stony places, A.Duran 2091.
Medit., (G).
- S. autumnalis** L.
C3 Antalya: Akseki, Çukurköy, 750 m, 14 x 1995, open Quercus, A.Duran 3324.
Medit., (G).
- Ornithogalum narbonense** L.
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1200 m, 10 vi 1995, open macchie and wet places, A.Duran 2630.
Medit., (G).
- O. sigmoideum** Freyn & Sint.
C3 Antalya: Akseki, Çukurköy, vicinity of Gebedere, 550 m, 27 iii 1996, open macchie, A.Duran 3342.
Euro-Sib., (G).
- O. orthophyllum** Ten.
C3 Antalya: Akseki, Çukurköy yayla, 2000 m, 12 vi 1995, steppe, A.Duran 2756, (G).
- O. armeniacum** Baker.
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 8 iv 1995, fallow fields, A.Duran 2133.
E. Medit., (G).
- Our specimens have leaves not filiform and 3-4.5 mm broad. It is with leaves almost filiform and 1-1.5 mm broad in the Flora of Turkey (VII1: 242) (Davis, 1984).
- Muscari muscarimi** Medik.
C3 Antalya: Akseki, east of Çukurköy, 900 m, 8 iv 1995, stony places and open macchie, A.Duran 2151.
Endemic, E. Medit., (G).
- M. comosum** (L.) Mill.
C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1250 m, 10 vi 1995, stony places and macchie, A.Duran 2614.
Medit., (G).
- M. armeniacum** Leichtlin ex Baker
C3 Antalya: Akseki, Gidefi Mountain, Evlek pass, 1600 m, 8 v 1995, stony places, A.Duran 2281.
(G).
- M. neglectum** Guss.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 14 v 1995, pastures and wet places, A.Duran 2420.
(G).
- M. anatolicum** Cowley & Özhatay
C3 Antalya: Akseki, Güzelsu, vicinity of Asar, 1250 m, 30 iii 1996, rock crevices, A.Duran 3370.
Endemic, (G).
- Hyacinthus orientalis** L. subsp. *orientalis*
C3 Antalya: Akseki, Güzelsu, 1200 m, 30 iii 1996, around village, A.Duran 3366-A.
E. Medit., (G).
- Bellevalia tauri** Feinburn
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 8 iv 1995, fallow fields, A.Duran 2137.
Endemic, E. Medit., (G).
- Hyacinthella heldreichii** (Boiss.) Chouard
C3 Antalya: Akseki, between Güzelsu and Çaltılıçukur, 1100 m, 7 iv 1995, open macchie, A.Duran 2074.
Endemic, E. Medit., (G).

- Fritillaria whittallii** Baker
C3 Antalya: Akseki, Geyran yayla, north of Kocaoluk, 1500 m, 13 v 1995, stony places and steppe, A.Duran 2336.
Endemic, E. Medit. (mt.), (G).
- F. pinardii** Boiss.
C3 Antalya: Akseki, Geyran yayla, Karakaya Hill, 1660 m, 13 v 1995, open forest and usually by late snow patches, A.Duran 2330.
Ir.-Tur., (G).
- F. elwesii** Boiss.
C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1100 m, 7 iv 1995, open *Pinus brutia* forest, A.Duran 2105.
Endemic, E. Medit., (G).
- F. crassifolia** Boiss. & Huet subsp. *crassifolia*
C3 Antalya: Akseki, Pınarbaşı village, Kızıldere, 1350 m, 3 v 1996, limestone screes, A.Duran 3488.
Endemic, (G).
- Tulipa armena** Boiss. var. *lycica* (Baker) Marais
C3 Antalya: Akseki, Geyran yayla, 1500 m, 13 v 1995, stony places and steppe, A.Duran 2335.
Endemic, (G).
- Gagea peduncularis** (J. & C.Presl) Pascher
C3 Antalya: Akseki, Geyran yayla, 1550 m, 14 v 1995, stony places, A.Duran 2430.
Medit., (G).
- G. villosa** (M.Bieb.) Duby var. *hermonis* Dafni & Heyn
C3 Antalya: Akseki, Çaltılıçukur, Salamut yayla, 1600 m, 3 v 1996, steppe, A.Duran 3494.
E. Medit., (G).
- Colchicum troodii** Kotschy
C3 Antalya: Akseki, Çukurköy, 900 m, 14 x 1995, open macchie and stony places, A.Duran 3319.
E. Medit., (G).
- Our specimens have up to 15 flowers. It is with 2-6 (12) flowers in the Flora of Turkey (VIII: 342-343) (Davis, 1984).
- C. balansae** Planch.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, stony places and open macchie, A.Duran 2600.
Endemic, E. Medit., (G).
- C. variegatum** L.
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 900 m, 14 x 1995, open macchie, A.Duran 3318.
E. Medit., (G).
- AMARYLLIDACEAE**
- Sternbergia lutea** (L.) Ker Gawl. ex Spreng.
C3 Antalya: Akseki, Çukurköy, 750 m, 15 x 1995, near cultivated land, A.Duran 3328.
Medit., (G).
- S. clusiana** (Ker Gawl.) Ker Gawl. ex Spreng.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 12 x 1995, open places, A.Duran 3283.
Ir.-Tur., (G).
- Galanthus elwesii** Hook.f.
C3 Antalya: Akseki, Geyran yayla, 1350 m, 7 iv 1995, stony places, A.Duran 2090.
E. Medit. (mt.), (G).
- IRIDACEAE**
- Iris purpureobracteata** B.Mathew & T.Baytop
C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 12 vi 1995, stony places, A.Duran 2755.
Endemic, E. Medit., (H).
- I. pamphylica** Hedge
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, open macchie and *Pinus brutia* forest, A.Duran 3405.
Endemic, E. Medit., (G).
- Gynandrisis sisyrinchium** (L.) Parl.
C3 Antalya: Akseki, Çukurköy, vicinity of Sullahbelen, 650 m, 27 iv 1996, open *Pinus brutia* forest, A.Duran 3386.
(G).
- Crocus chrysanthus** (Herb.) Herb.
C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 8 iv 1995, open forest, A.Duran 2120.
(G).
- C. biflorus** Mill. subsp. *tauri* (Maw) B.Mathew
C3 Antalya: Akseki, Geyran yayla, 1300 m, 7 iv 1995, stony places and open forest, A.Duran 2097.
Ir.-Tur., (G).
- C. cancellatus** Herb. subsp. *pamphylicus* B.Mathew
C3 Antalya: Akseki, Güzelsu, 1200 m, 12 x 1995, macchie, A.Duran 3293.
Endemic, E. Medit., (G).
- Romulea bulbocodium** (L.) Sebast. & Mauri var. *crocea* (Boiss.& Heldr.) Baker
C3 Antalya: Akseki, vicinity of Sadıklar village, 1000 m, 7 iv 1995, wet places, A.Duran 2062.
E. Medit., (G).
- R. tempskyana** Freyn
C3 Antalya: Akseki, Çukurköy, vicinity of Gebedere, 550 m, 27 iii 1996, open macchie, A.Duran 3343.
E. Medit., (G).
- Gladiolus illyricus** W.Koch
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 12 v 1995, fallow fields and macchie, A.Duran 2309.
Medit., (G).
- ORCHIDACEAE**
- Cephalanthera kurdica** Bornm. ex Kraenzl.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 12 v 1995, macchie, A.Duran 2307.
Ir.-Tur., (G).
- Epipactis helleborine** (L.) Crantz
C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1470 m, 2 vii 1996, *Abies* forest, A.Duran 4024.
(G).
- Limodorum abortivum** (L.) Sw.
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 31 v 1996, under *Pinus brutia* forest, A.Duran 3793.
(G).
- Ophrys argolica** Fleischm. apud Vierh. subsp. *argolica*
C3 Antalya: Akseki, east of Çukurköy, 850 m, 8 iv 1995, under *Pinus brutia* forest, A.Duran 2139.
E. Medit., (G).

- Anacamptis pyramidalis* (L.) Rich.
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1200 m, 10 vi 1995, macchie, A.Duran 2629.
(G).
- Orchis coriophora* L.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, macchie, A.Duran 3642.
(G).
- O. anatolica* Boiss.
C3 Antalya: Akseki, south of Otluk Mountain, 1200 m, 7 iv 1995, macchie, A.Duran 2109.
E. Medit., (G).
- Dactylorhiza osmanica* (Kl.) Soó var. *osmanica*
C3 Antalya: Akseki, Geyran yayla, vicinity of Karakaya, 1300 m, 2 vi 1996, Abies forest, A.Duran 3846.
Endemic, E. Medit., (G).
- DIOSCOREACEAE**
- Tamus communis* L. subsp. *cretica* (L.) Kit Tan
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 25 v 1996, rock crevices, A.Duran 3658.
(G).
- JUNCEAE**
- Juncus inflexus* L.
C3 Antalya: Akseki, vicinity of Çataloluk, 1500 m, 4 vii 1994, wet places, A.Duran 1728.
(H).
- J. gerardi* Loisel. subsp. *libanoticus* (Thieb.) Snogerup
C3 Antalya: Akseki, Geyran yayla, 1350 m, 2 vi 1995, wet places, A.Duran 2563.
Ir.-Tur., (H).
- CYPERACEAE**
- Eleocharis mitracarpa* Steud.
C3 Antalya: Akseki, Geyran yayla, 1350 m, 9 vi 1995, wet places, A.Duran 2544.
(H).
- Scirpoides holoschoenus* (L.) Soják
C3 Antalya: Akseki, Geyran yayla, 1350 m, 9 vi 1995, wet places, A.Duran 2544.
(H).
- Carex divulsa* Stokes subsp. *coriogyne* (Nelmes) Nilsson
C3 Antalya: Akseki, north of Otluk Mountain, 1500 m, 9 vi 1995, wet places, A.Duran 2529.
Endemic, E. Medit., (H).
- C. stenophylla* Wahlenb. subsp. *stenophylloides* (V.I.Krecz.) Egorova
C3 Antalya: Akseki, Geyran yayla, 1450 m, 14 v 1995, wet places, A.Duran 2424.
Ir.-Tur., (H).
- C. flacca* Schreb. subsp. *serrulata* (Biv.) Greuter
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1250 m, 6 v 1995, Pinus brutia forest, A.Duran 2176.
(H).
- GRAMINEAE (Poaceae)**
- Brachypodium sylvaticum* (Huds.) P.Beauv.
C3 Antalya: Akseki, north of Pınarbaşı village, 1350 m, 20 vii 1995, mixed forest, A.Duran 2950.
Euro-Sib., (H).
- Trachynia distachya* (L.) Link
C3 Antalya: Akseki, Taşlıca village, Tuzaklı Mountain, 850 m, 4 v 1996, open scrub, A.Duran 3544.
Medit., (Th).
- Elymus panormitanus* (Parl.) Tzvelev
C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1250 m, 10 vi 1995, Abies forest, A.Duran 3808.
Medit., (H).
- Glumes (usually 20 mm long versus 15-18 mm long) of the specimens above are longer than those in the Flora of Turkey (IX: 208) (Davis, 1985).
- E. tauri* (Boiss. & Balansa) Melderis subsp. *tauri*
C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 18 vii 1995, stony places, A.Duran 2858.
(H).
- Aegilops markgrafii* (Greuter) Hammer
C3 Antalya: Akseki, Taşlıca village, Tuzaklı Mountain, 950 m, 28 v 1996, open places, A.Duran 3741.
E. Medit., (Th).
- Ae. biuncialis* Vis.
C3 Antalya: Akseki, south of Gidefi Mountain, 1400 m, 4 vii 1994, open forest, A.Duran 1807.
(Th).
- Secale montanum* Guss.
C3 Antalya: Akseki, Geyran yayla, vicinity of Karakaya, 1450 m, 7 vii 1996, screes, A.Duran 4101.
(H).
- S. cereale* L. var. *cereale*
C3 Antalya: Akseki, Sadıklar village, 1000 m, 21 vii 1995, cultivated land, A.Duran 3027.
(Th).
- Hordeum murinum* L. subsp. *murinum*
C3 Antalya: Akseki, Otluk Mountain, vicinity of Anbolu, 1500 m, 16 v 1995, pastures, A.Duran 2452.
(Th).
- H. bulbosum* L.
C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, steppe, A.Duran 2587.
(H).
- Bromus japonicus* Thumb. subsp. *japonicus*
C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 4 vii 1994, steppe, A.Duran 1747.
(Th).
- B. scoparius* L.
C3 Antalya: Akseki, Geyran yayla, vicinity of Kocaoluk, 1350 m, 9 vi 1995, stony places, A.Duran 2539.
(Th).
- B. tectorum* L.
C3 Antalya: Akseki, Sadıklar village, Kuz Dere, 1100 m, 14 v 1995, fallow fields, A.Duran 2383.
(Th).

- B. sterilis** L.
C3 Antalya: Akseki, Geyran yayla, vicinity of Aşağı Alan, 1300 m, 13 v 1995, open places, A.Duran 2344-B.
(Th).
- B. diandrus** Roth
C3 Antalya: Akseki, Taşlıca village, Tuzaklı Mountain, 850 m, 4 v 1996, open macchie, A.Duran 3657.
(Th).
Our specimens have 5 branches per node. It is with 1-4 branches per node in the Flora of Turkey (IX: 292-294) (Davis, 1985).
- B. tomentollus** Boiss.
C3 Antalya: Akseki, north of Otluk Mountain, 1600 m, 9 vi 1995, open forest, A.Duran 2493.
Ir.-Tur., (H).
- Avena barbata** Pott ex Link subsp. **barbata**
C3 Antalya: Akseki, Pınarbaşı village, Karaağaçlı Dere, 1200 m, 6 v 1995, open forest, A.Duran 2182.
(Th).
- A. sterilis** L. subsp. **sterilis**
C3 Antalya: Akseki, Pınarbaşı village, vicinity of Çataloluk, 1500 m, 4 vii 1994, open scrub and roadsides, A.Duran 1703.
(Th).
- Arrhenatherum palaestinum** Boiss.
C3 Antalya: Akseki, Çaltılıçukur, Salamut yayla, 1650 m, 2 vii 1996, Cedrus libani forest, A.Duran 4036.
E. Medit., (H).
- Gaudiniopsis macra** (M.Bieb.) Eig subsp. **micropyroides** (H.Scholz) Ayasligil & Kit Tan
C3 Antalya: Akseki, Taşlıca village, Tuzaklı Mountain, 930 m, 28 v 1996, open Juniperus excelsa, A.Duran 3733.
Endemic, E. Medit., (Th).
- Rostraria cristata** (L.) Tzvelev var. **cristata**
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 25 v 1996, open macchie, A.Duran 3656.
(Th).
- Koeleria cristata** (L.) Pers.
C3 Antalya: Akseki, Çukurköy yayla, 2050 m, 18 vii 1995, steppe, A.Duran 2863.
(H).
- Aira elegantissima** Schur subsp. **elegantissima**
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 550 m, 2 v 1996, open macchie, A.Duran 3456.
Medit., (Th).
- Apera intermedia** Hack. apud Zederb.
C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, open forest, A.Duran 1744.
Ir.-Tur., (Th).
- Agrostis stolonifera** L.
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1300 m, 6 vii 1994, open macchie, A.Duran 1948.
Euro-Sib., (H).
- Polypogon maritimus** Willd. subsp. **maritimus**
C3 Antalya: Akseki, Güzelsu, vicinity of Miyarönü, 1200 m, 20 viii 1995, cultivated land, A.Duran 3271.
Euro-Sib., (Th).
- Milium vernale** M.Bieb. subsp. **vernale**
C3 Antalya: Akseki, Otluk Mountain, Şimşirliçözet Hill, 1200 m, 7 v 1995, open forest, A.Duran 2244.
Medit., (Th).
- M. vernale** M.Bieb. subsp. **motianum** (Parl.) Al.Jahn & Maire
C3 Antalya: Akseki, Çukurköy, vicinity of Dardağan, 700 m, 5 v 1996, wet places, A.Duran 3585.
Medit., (Th).
- Zingeria pisidica** (Boiss). Tutin
C3 Antalya: Akseki, Geyran yayla, 1400 m, 9 vi 1995, wet places, A.Duran 2586.
Ir.-Tur., (Th).
- Phalaris minor** Retz.
C3 Antalya: Akseki, north of Pınarbaşı village, 1150 m, 23 viii 1995, fallow fields, A.Duran 3087-A.
Medit., (Th).
- P. paradoxa** L.
C3 Antalya: Akseki, Çukurköy, vicinity of Sullahbelen, 700 m, 25 v 1996, fallow fields, A.Duran 3678.
Medit., (Th).
- Alopecurus arundinaceus** Poir.
C3 Antalya: Akseki, Geyran yayla, 1350 m, 13 v 1995, wet places, A.Duran 2317.
Euro-Sib., (H).
- A. vaginatus** (Willd.) Boiss.
C3 Antalya: Akseki, Çukurköy yayla, Eğerbeli Hill, 2400 m, 17 vii 1995, stony places, A.Duran 2848.
(H).
- A. gerardii** Vill. var. **gerardii**
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Eşekçukuru, 1900 m, 4 vi 1996, steppe, A.Duran 3894.
Medit., (H).
- Phleum subulatum** (Savi) Asch. & Graebn. subsp. **subulatum**
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, open macchie, A.Duran 3614.
(Th).
- P. montanum** K.Koch subsp. **montanum**
C3 Antalya: Akseki, Güzelsu, vicinity of Serebil, 1030 m, 31 v 1996, under Pinus brutia forest, A.Duran 3800.
(H).
- Festuca jeanpertii** (St.-Yves) Markgr. apud Hayek subsp. **jeanpertii**
C3 Antalya: Akseki, Geyran yayla, 1500 m, 9 vi 1995, stony places, A.Duran 2522.
E. Medit., (H).
- F. valesiaca** Schleich. ex Gaudin
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2200 m, 16 vii 1995, steppe and rock crevices, A.Duran 2831.
(H).
- Lolium perenne** L.
C3 Antalya: Akseki, south of Gidefi Mountain, 1500 m, 4 vii 1994, open forest, A.Duran 1737.
Euro-Sib., (H).

- L. persicum* Boiss. & Hohen ex Boiss.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, cultivated areas, A.Duran 3626.
Ir.-Tur., (Th).
- L. rigidum* Gaudin, var. *rigidum*
C3 Antalya: Akseki, Çukurköy, vicinity of Sullahbelen, 650 m, 25 v 1996, fallow fields, A.Duran 3680.
(Th).
- L. subulatum* Vis.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, fallow fields, A.Duran 3627.
E. Medit., (Th).
- Narduroides salzmannii* (Boiss.) Rouy
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 700 m, 25 v 1996, open macchie, A.Duran 3637.
Medit., (Th).
- Poa annua* L.
C3 Antalya: Akseki, Çukurköy, vicinity of Menteşe, 750 m, 30 iv 1996, cultivated land, A.Duran 3409.
(Th).
- P. trivialis* L.
C3 Antalya: Akseki, Geyran yayla, 1350 m, 9 vi 1995, wet places, A.Duran 2538.
(H).
- P. pratensis* L.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Yumrudikmeni Hill, 2150 m, 17 viii 1995, rock crevices, A.Duran 3154.
(H).
- P. angustifolia* L.
C3 Antalya: Akseki, between Sadıklar village and Serebil, 1100 m, 29 vi 1996, open scrub and stony places, A.Duran 3977.
(H).
- P. diversifolia* (Boiss. & Balansa) Hack. ex Boiss.
C3 Antalya: Akseki, Güzelsu, vicinity of Serebil, 1030 m, 31 v 1996, Pinus brutia forest, A.Duran 3794.
E. Medit. (mt.), (H).
- P. nemoralis* L.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğağnağı, 1900 m, 18 vii 1995, stony places, A.Duran 2875.
(H).
- P. timoleontis* Heldr. ex Boiss.
C3 Antalya: Akseki, Çukurköy, vicinity of Karataş, 800 m, 30 iv 1996, open macchie.
E. Medit., (H).
- P. bulbosa* L.
C3 Antalya: Akseki, Pınarbaşı village, Karağağaçlı Dere, 1150, 6 v 1995, fallow fields, A.Duran 2190.
(H).
- Eremopoa capillaris* R.Mill
C3 Antalya: Akseki, Otluk Mountain, north of Mahmutlu village, 1050 m, 26 v 1996, stony steppe, A.Duran 3697.
E. Medit., (Th).
- Catabrosa aquatica* (L.) P.Beauv.
C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1300 m, 6 vii 1994, damp places, A.Duran 1948.
Euro-Sib., (H).
- Dactylis glomerata* L. subsp. *hispanica* (Roth) Nyman
C3 Antalya: Akseki, Güzelsu, vicinity of Serebil, 1030 m, 31 v 1996, Pinus brutia forest, A.Duran 3796.
(H).
- Cynosurus echinatus* L.
C3 Antalya: Akseki, Geyran yayla, 1450 m, 9 vi 1995, steppe, A.Duran 2592.
Medit., (Th).
- C. effusus* Link
C3 Antalya: Akseki, Çukurköy, vicinity of Dardağan, 800 m, 5 v 1996, open macchie, A.Duran 3592.
Medit., (Th).
- Briza maxima* L.
C3 Antalya: Akseki, between Murtiçi and Çukurköy, 600 m, 2 v 1996, open macchie, A.Duran 3470.
(Th).
- B. humilis* M.Bieb.
C3 Antalya: Akseki, Geyran yayla, 1350 m, 9 vi 1995, dry places, A.Duran 2551.
(Th).
- Echinaria capitata* (L.) Desf.
C3 Antalya: Akseki, between Murtiçi and Taşlıca, 700 m, 4 v 1996, open macchie, A.Duran 3503.
(Th).
- Melica minuta* L.
C3 Antalya: Akseki, between Güzelsu and Serebil, 1250 m, 29 vi 1996, limestone rock crevices, A.Duran 3957.
Medit., (H).
- M. ciliata* L. subsp. *ciliata*
C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, stony places, A.Duran 1775.
(H).
- M. persica* Kunth subsp. *inaequiglumis* (Boiss.) Bor
C3 Antalya: Akseki, between Sadıklar village and Serebil, 1100 m, 29 vi 1996, stony places, A.Duran 3976.
(H).
- Stipa bromoides* (L.) Dörfel.
C3 Antalya: Akseki, Pınarbaşı village, Karağağaçlı Dere, 1250 m, 30 v 1996, Pinus brutia forest, A.Duran 3788.
Medit., (H).
- S. arabica* Trin. & Rupr.
C3 Antalya: Akseki, Çukurköy yayla, vicinity of Tekeğağnağı, 1900 m, 18 vii 1995, stony places, A.Duran 2873.
Ir.-Tur., (H).
- S. pulcherrima* K.Koch subsp. *epilosa* (Martinovský) Tzvelev
C3 Antalya: Akseki, Çukurköy yayla, east of Tekeğağnağı, 2000 m, 18 vii 1995, stony steppe, A.Duran 2880.
(H).
- Piptatherum coeruleascens* (Desf.) P.Beauv.
C3 Antalya: Akseki, Pınarbaşı village, Karağağaçlı Dere, 1250 m, 6 v 1995, Pinus brutia forest and limestone rocks, A.Duran 2163.
(H).

P. holciforme (M.Bieb.) Roem. & Schult.
subsp. *holciforme* var. *holciforme*

C3 Antalya: Akseki, south of Gidefi Mountain, 1550 m, 4 vii 1994, stony places, A.Duran 1763.

(H).

Arundo donax L.

C3 Antalya: Akseki, Çukurköy, 800 m, 14 x 1995, wet places, A.Duran 3327.

(H).

Cynodon dactylon (L.) Pers. var. *villosus* Regel

C3 Antalya: Akseki, between Güzelsu and Serebil, 1200 m, 20 viii 1995, fallow fields, A.Duran 3232.

(H).

Crypsis schoenoides (L.) Lam.

C3 Antalya: Akseki, Geyran yayla, vicinity of Moru, 1300 m, 6 vii 1994, fallow fields, A.Duran 1951.

(Th).

Echinochloa crus-galli (L.) P.Beauv.

C3 Antalya: Akseki, Güzelsu, Miyarönü, 1200 m, 20 viii 1995, cultivated land, A.Duran 3263.

(Th).

Digitaria sanguinalis (L.) Scop.

C3 Antalya: Akseki, Güzelsu, Miyarönü, 1200 m, 20 viii 1995, cultivated land, A.Duran 3264.

(Th).

Saccharum strictum (Host) Spreng.

C3 Antalya: Akseki, Çukurköy, 800 m, 29 vi 1996, roadsides, A.Duran 3925.

(H).

Chrysopogon gryllus (L.) Trin. subsp. *gryllus*

C3 Antalya: Akseki, Murtiçi, 550 m, 29 vi 1996, dry banks, A.Duran 3973.

(H).

Andropogon distachyos L.

C3 Antalya: Akseki, Çukurköy, vicinity of Gebedere, 700 m, 21 iv 1997, rocky slopes, A.Duran 4159.

Medit., (H).

Cultivated taxa in the study area

CRUCIFERAE (Brassicaceae)

Brassica oleracea L. cv. Bayraklı 85

A.Duran 3257.

(Th).

PASSIFLORACEAE

Passiflora caerulea L.

C3 Antalya: Akseki, Çukurköy, 800 m, 8 vii 1996, around village, A.Duran 4128.

(Ph).

PORTULACACEAE

Portulaca oleracea L. subsp. *oleracea*

A.Duran 3033.

(Th).

CHENOPODIACEAE

Beta vulgaris L. cv. KWS-TR-534

A.Duran 3250.

(H).

MALVACEAE

Hibiscus esculentus L. cv. Marmara 1

A.Duran 3251.

(Th).

Gossypium hirsutum L. cv. Çukurova 1518

A.Duran 3323-B.

(Th).

TILIACEAE

Tilia rubra DC. subsp. *caucasica* (Rupr.) V.Engl.

C3 Antalya: Akseki, Güzelsu, 1200 m, 20 viii 1995, around village, A.Duran 3220.

Euxine, (Ph).

VITACEAE (Ampelidaceae)

Vitis vinifera L. cv. Uslu

A.Duran 3598.

(Ph).

ANACARDIACEAE

Pistacia vera L. cv. Kırmızı

A.Duran 2119.

(Ph).

LEGUMINOSAE (Fabaceae)

Robinia pseudoacacia L.

A.Duran 3274.

(Ph).

Phaseolus vulgaris L. cv. Şehirali 90

A.Duran 3244.

(Th).

Cicer arietinum L. cv. Gökçe

A.Duran 3963.

(Th).

Vigna unguiculata (L.) Walp. subsp. *unguiculata* cv. Akkız

A.Duran 3038.

(Th).

Vicia faba L. cv. Eresen 87

A.Duran 3581.

(Th).

Lens culinaris Medik. cv. Kışlık Yeşil 31

A.Duran 3588.

(Th).

Arachis hypogaea L. cv. Gazipaşa

A.Duran 3057.

(Th).

ROSACEAE

Prunus x domestica L. cv. President

A.Duran 3254.

(Ph).

Cerasus avium (L.) Moench cv. 0900 Ziraat

A.Duran 3036

(Ph).

Armeniaca vulgaris Lam. cv. Precocede Thyrinthe

A.Duran, 3035.

(Ph).

Persica vulgaris Mill. cv. Redhoven

A.Duran 3308.

(Ph).

Amygdalus communis L. cv. Nongareil

A.Duran 3055.

(Ph).

Fragaria x ananasa Duchesne cv. Balcalı-2

A.Duran 3242.

(H).

Cydonia oblonga Mill. cv. Ezme

A.Duran 2997.

(Ph).

Malus sylvestris Mill. subsp. *mitis* (Wallr.) Mansf. cv. Golden Delicious

A.Duran 2996.

(Ph).

Pyrus communis L. subsp. *sativa* (DC.) Hegi cv. Akça

A.Duran 3000.

(Ph).

- P. syriaca* Boiss. var. *syriaca*
A.Duran 3086.
(Ph).
- PUNICACEAE**
Punica granatum L. cv. Hicaznar
A.Duran 4138.
(Ph).
- CUCURBITACEAE**
Citrullus lanatus (Thunb.) Matsum. & Nakai cv. Sugar Baby
A.Duran 3302.
(Th).
Cucurbita moschata (Lam.) Poir.
A.Duran 3245.
(Th).
C. pepo L. cv. Arican 97
A.Duran 3030.
(Th).
Cucumis melo L. cv. Ananas
A.Duran 3031.
(Th).
C. sativus L. cv. Beith Alpha
A.Duran 3247.
(Th).
- UMBELLIFERAE (Apiaceae)**
Petroselinum crispum (Mill.) A.W.Hill cv. D'giant Italiana
A.Duran 3248.
(H).
- COMPOSITAE (Asteraceae)**
Helianthus annuus L. cv. Turkuaz
A.Duran 2999.
(Th).
Calendula officinalis L.
A.Duran 3298.
(Th).
Tagetes patula L.
A.Duran 3299.
(Th).
Lactuca sativa L. cv. Grise
A.Duran 3241.
(Th).
- OLEACEAE**
Olea europaea L. var. *europaea* Zhuk. cv. Ayvalık
A.Duran 3006.
Medit., (Ph).
- PEDALIACEAE**
Sesamum indicum L. cv. Munganlı 57
A.Duran 3034.
(Th).
- CONVOLVULACEAE**
Ipomoea purpurea (L.) Roth
C3 Antalya: Akseki, Güzelsu, Miyarönü, 1200 m, 20 viii 1995, around village, A.Duran 3255.
(Th).
- SOLANACEAE**
Solanum tuberosum L. cv. Frigga
A.Duran 3252-A.
(G).
S. melongena L. cv. Topan 374
A.Duran 3252-B.
(Th).
Capsicum annum L. cv. Çarliston 52
A.Duran 3253.
(Th).
Lycopersicon esculentum Mill. cv. Texo
A.Duran 3028.
(Th).
- LABIATAE (Lamiaceae)**
Mentha x piperita L.
A.Duran 3243.
(H).
Ocimum basilicum L.
A.Duran 3256.
(Th).
- MORACEAE**
Morus alba L. cv. Ulukale
A.Duran 2567.
(Ph).
M. nigra L. cv. Ekşikara
A.Duran 3230.
(Ph).
- LILIACEAE**
Allium cepa L. cv. Akgün 12
A.Duran 3041.
(G).
- AMARYLLIDACEAE**
Narcissus papyraceus Ker Gawl.
A.Duran 3378.
(G).
- IRIDACEAE**
Iris germaniaca L.
A.Duran 2154.
(H).
I. albicans Lange
A.Duran 2304.
(H).
- GRAMINEAE (Poaceae)**
Triticum durum Desf. cv. Çakmak 79
A.Duran 3830.
(Th).
T. turgidum L.
A.Duran 3026.
(Th).
T. aestivum L. cv. Gerek 79
A.Duran 3026.
(Th).
Hordeum vulgare L. cv. Cumhuriyet 50
A.Duran 3831.
(Th).
Avena sativa L. cv. Yeşilköy 1779
A.Duran 3631.
(Th).
Panicum miliaceum L.
A.Duran 3040.
(Th).
Sorghum x drummondii (Nees ex Steud.) Millsp. & Chase
A.Duran 3025.
(Th).
Zea mays L. subsp. *mays* cv. Ant. Cin 98
A.Duran 3272.
(Th).